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Mr. Andrew M. Kamarek

June 20, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - June 1-16.

Walstedt:

1. General supervision.
2. Field interviews with U.S. manufacturers of heavy mechanical equipment, June 12-14.
3. Heavy Electrical Equipment Report (editing and revision).

Baranson:

Industrial Protection Study

1. Revising Automotive Industry draft report.

Datas:

Industrial Protection Study

1. Argentina - Heavy Mechanical Industry report - Completed additions and revisions.
2. Started work on: Financial Structure of Some Major Manufacturers of Heavy Mechanical Equipment.

Guillot:

1. Finalized report on Lebanon.
2. Finalized and delivered lecture to EDI French Course (Methods of Industrialization).
3. Undertook several miscellaneous tasks: finalization of memo on industry in Africa, taking stock of various pieces of information on industrial development and on textile industry.

Lall:

1. Preliminary draft of note on "Investment Allocation in Manufacturing".
2. Editing Heavy Electrical Equipment Industry report.

Nowicki:

Home Leave.

Schrenk:

Industrial Protection Study

1. Continued work on the structure of the U.S. Heavy Mechanical Equipment industry.
2. Field interviews with manufacturers of heavy mechanical equipment, June 12-14.

Villela:

1. Delivered lecture on Industrial Financing at EDI.
2. Completed review of Economic Literature on Government Enterprise, in manufacturing sector.

Cilingiroglu:

Industrial Protection Study

1. Revising Heavy Electrical Equipment Report.

June 20, 1967

Harehap:

Industrial Protection Study

1. Production and trade figures on heavy mechanical equipment.

May:

Industrial Protection Study

1. Production and trade figures on heavy mechanical equipment.

Turey:

Industrial Protection Study

1. Prepared material, particularly on production costs, for automotive study.
2. Collected information on Indian fertilizer industry.

  
BW:JG

cc: Messrs. Stevenson, van der Tak  
Industrialization Division

Mr. J. H. Collier

June 30, 1967

O. Maiss

Comparative Analysis Division

During June 16-30, members of the division were occupied with:

- a) reviewing technical assistance report and participating in Economic Working Party on Mauritania;
- b) revising capital requirements data;
- c) working on policy understanding paper;
- d) statistical work on IDA allocation (for Mr. Adler);
- e) collecting material on lending activities of consortia and consultative groups (for Mr. Adler);
- f) reviewing material from the tripartite coffee study.

cc: Messrs. Kamarch  
Stevenson

OMaiss:cc

Mr. Andrew M. Kamarek

June 21, 1967

Arthur E. Tiemann *ART*

Progress Report of Statistical Services Division  
for the period June 1 - 15, 1967

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1(1)</u>	<u>7(2)</u>	<u>1</u>	<u>3(1)</u>	<u>5</u>	<u>6(1)</u>	<u>4</u>	<u>12</u>
Dec. 31, 1966	1(1)	7(2)	-	2(1)	4	4(1)	4	7
Sept. 30, 1966	-	-	1	1	-	-	-	-
June 30, 1966	-	-	-	-	1	1	-	4
Dec. 31, 1965	-	-	-	-	-	1	-	1

Note: Excludes 9 countries in abeyance; ( ) = number of countries started during the period.

Work	Requested by	Status
2. Inventory for analyses of functions of External Debt Section	Ec.(Karaosmanoglu)	In progress
3. India - preparation of tables showing individual external public loans outstanding as of Sept. 30, 1966 by creditor country, interest rate and maturity and projected service payments by creditor country, category and interest rate	Ec. (King)	Completed
4. India - preparation of table showing debt contracted, service payments, and disbursements from April 1 - Sept. 30, 1966	Ec. (King)	In progress
5. India - preparation of tables showing amount of and service payments on major additions to external public debt as of Sept. 30, 1966	Ec.(King)	Completed
6. India - preparation of table showing estimated future disbursements by creditor country on external public debt outstanding as of Sept. 30, 1966	Ec.(King)	Completed

June 21, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. India - preparation of tables showing estimated amounts outstanding and service payments on suppliers' credits by country as of December 31, 1965	Ec.(King)	Completed
8. Preparation of debt cards and posting June 30, 1966 of Dept. of Agriculture loans to African and Asian countries	Economics	In progress
9. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
10. Preparation of debt cards and posting of Eximbank loans for European and Middle-Eastern countries	Economics	In progress
11. Preparation of debt cards and posting of Eximbank loans for Western Hemisphere countries	Economics	In progress
12. Comparison of Ohlin formula with discounted results for the Economics Dept.	Economics	Completed
13. Weighted averages for IERD loans contracted in 1966	Ec.(Dubey)	Completed
14. Greece - comparison of IERD data with data submitted to OECD consortium	Economics	Completed
15. China - preparation of amortization schedule for proposed IERD loan	Asia(Stephansen)	Completed
16. Singapore - preparation of amortization schedule for proposed IERD loan	Asia(Jentgen)	Completed
17. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	In progress
18. Colombia - preparation of amortization schedule for proposed IERD loan	W.Hem.	Completed
19. Preparation of tables showing outstanding and service payments 1966-1980 for five Central American countries	W.Hem.(Schmitt)	Completed
20. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	In progress

June 21, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Guatemala - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem./IDB	Completed
22. Mali - preparation of memorandum on debt submission as of Dec. 31, 1966	Africa	In progress
23. Somalia - preparation of table showing service payments on debt existing at 12/31/66 plus hypothetical yearly increases from 1967-72	Afr.(Khandker)	Completed
24. Mauritania - preparation of memorandum on debt submissions as of 12/31/65, 6/30/66 and 12/31/66	Africa	Completed
25. Ethiopia - preparation of memorandum on debt submissions as of 12/31/66	Africa	Completed
26. Yugoslavia - preparation of amortization schedule for proposed IHRD loan	Europe & M.E.(Genella)	Completed
27. Yugoslavia - preparation of three schedules of capitalized interest	IFC (Hoffmann)	Completed

**B. GENERAL STATISTICS**

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply: trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Data analysed by 28 countries and several regions of the world	Ec. (Singh)	In abeyance
2. Moderately complicated regression analysis: Public expenditure study in various services as related to GNP for 46 countries	Ec. (Schmedtje)	In progress
3. Moderately complicated regression analysis: Saving study of Honduras, Philippines, Brazil, Colombia, Greece, Jamaica and Turkey	Ec. (Krishnamurty)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Hall)	In progress
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Clark model for Uganda	Ec. (N. Carter)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Afr. (Bruce) Ec. (Hawkins, Carter)	Completed
9. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
10. Simple calculations: IDA refinancing study	Ec. (Malley)	In progress
11. Moderately complex regression analysis: Exports of olive oil and other oils from various countries and world	Ec. (Els)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
12. Moderately complicated regression analysis: Agricultural Model - Angstrom aridity index	Ec. (Oury)	In progress
13. Complicated regression analysis and tabulations: Import matrices for 1965	Ec. (Balassa)	Completed
14. Simple statistical analysis: Export quantity study - collection of data, calculations, regression analysis	Ec. (Singh)	In progress
15. Highly complicated data search: Argentina beef production study	Ec. (Oury)	In progress
16. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafuerte)	Completed
17. Routine checking: Spain - checking appraisal report of national railways	Proj. (Loven)	Completed
18. Routine checking: Highway Project - Ethiopia	Proj. (Reid)	Completed
19. Complicated analysis: Disbursement patterns of IERD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
20. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date- traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Chagui-La-Paz	Proj. (Sender)	On hand
21. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
22. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return calculations - areas and yield study	Proj. (Wapenhans/Manning)	In progress
23. Routine checking: Highway project - Venezuela	Proj. (Paraud)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
24. Moderately complicated calculation and regression analysis: Compound annual percentage growth rate	Proj. (Sonley)	Completed
25. Moderately complicated calculations and regression analysis: Tourism Study - tourists arrivals from 12 developed countries as a function of GNP over a 10-year period	Adm. (Pfeffermann)	In progress
26. Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
27. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
28. Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data 1960-66	Afr. (Boos)	In progress
29. Moderately complex calculations: Moroccan Mission - imports, exports, value and value projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	In progress
30. Moderately complicated regression analysis: Imports related to GDP, population investment, area, etc. for 66 countries	EDI (Dominguez)	Completed
31. Moderately complex data handling: Tourism Study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress
32. Moderately complicated regression analysis: Export fluctuation study	Pres. Off. (Sundrum/Gassner)	In progress
33. Routine checking: Annual report calculations, editing on trade and finance	Pres. Off. (Kochav)	In progress
34. Moderately complicated tabulations: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from Louisiana and states along the Mississippi River	Pres. Off. (Rist)	In progress

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a tape file and the required retrieval and processing procedures	Ec.(Statistics)	In progress
3. Complex systems analyses to plan and program a macroeconomic data bank	Ec.(Levy)	In abeyance
4. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec.(Statistics)	In progress
5. Run of various correlation and regression programs on Cotton and Wheat data	Ec.(Oury)	In progress
6. Simple computer program to calculate price ratios (wheat production model)	Ec.(Oury)	Completed
7. Moderately complex computer program to calculate price indices on UN trade statistics	Ec.(Carter & Niebuhr)	In progress
8. Participation in the activities of the computer working committee	Adm.(Fraser)	In progress
9. Computer program to calculate grant element of loans using Ohlin or Pincus formulae	Pres.Off.(Kochav)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Ethiopia - organisation chart	Proj. (Reid)	Completed
2. Indus Special Study - 4 charts	Proj. (Willoughby)	Completed
3. Malagasy Republic - 1 education chart	Proj. (Stewart)	In progress
4. Indus Special Study - Tarbela Project chart - traced	Proj. (Wapenhans)	Completed
5. Chad - Road Maintenance and Study Project - 1 organization chart	Proj. (Irion)	In progress
6. Algeria - 7 charts, education (French version)	Algerian Mis. (Leon)	On hand
7. United States: Trends of Industrial Production and Aluminum Consumption - 1 chart	Ec. (A. Huang)	Completed
8. Argentina - 2 charts	Ec. (Damas)	Completed
9. Brazil: Movement of Capital Inflow and Outstanding Debt/Gross Production chart	Ec. (Villafructe)	Completed
10. Brazil - 4 charts, education (2 completed)	W.Hm. (Laurie/Iverson)	Completed
11. Administrative expenses - IERD/IDA Loans and Credits - 3 charts (1 completed)	Adm. (Eschenberg)	Completed
12. IFC Administrative expenses chart	Adm. (Eschenberg)	Completed
13. Correlations of Growth Rates and Fluctuations - 2 diagrams	Pres. Off. (Sundrum)	Completed
14. IERD Staff Retirement Plan - 3 charts (1 completed)	Treas. (Mazzitti)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IHM cards to Statistics IHM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of international government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IHM cards to Statistics IHM cards
12. Routine updating of historical tables of all countries to 12/31/66

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

GRAPHICS

1. Preparation and maintenance of interest rate charts

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cc: Messrs. Stevenson  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES-DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CAMEROON - December 31, 1966		In progress
EACSO - December 31, 1966		In progress
ETHIOPIA - December 31, 1966		In progress
IVORY COAST - December 31, 1966		In progress
LESOTHO - June 30, 1966		In abeyance
MALI - December 31, 1966(new)	Lan	In progress
MAURITANIA - December 31, 1966(new)	Westebbe	Completed
MOROCCO - December 31, 1966		In progress
UGANDA - December 31, 1966(new)		In progress
<u>ASIA</u>		
INDIA - September 30, 1966		Completed
IRAN - September 30, 1966		In progress
JAPAN - December 31, 1966		In progress
LAOS - December 31, 1966(new)		In progress
SINGAPORE - December 31, 1966	Asanuma	In abeyance
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1966		Completed
BELGIUM - December 31, 1966		Completed
FINLAND - December 31, 1966(new)		In progress
FRANCE - December 31, 1966		Completed
ICELAND - December 31, 1966		In progress
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
JORDAN - December 31, 1966		In progress
MAURITIUS - Dec. 31, 1965; June 30, 1966		In progress
PORTUGAL - December 31, 1966		Completed
SPAIN - June 30, 1966		Completed
UNITED KINGDOM - December 31, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; December 31, 1966		In progress
BOLIVIA - June 30, 1966; December 31, 1966		In progress
CHILE - December 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1966		In abeyance
COSTA RICA - December 31, 1966		In progress
ECUADOR - December 31, 1966		Completed
GUATEMALA - December 31, 1966		In progress
GUYANA - December 31, 1966		Completed
HAITI - Dec. 31, 1963 & 64; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Heijden	In abeyance
JAMAICA - December 31, 1966		In progress
PANAMA - December 31, 1966		Completed
TRINIDAD & TOBAGO - December 31, 1966		In progress
VENEZUELA - December 31, 1966		In progress

Mr. A. M. Kassarck

June 19, 1967

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period  
June 1-15, 1967

IDA Replenishment Brief

1. The IDA Replenishment Brief was updated to 1966, at the request of Mr. Knapp and Mr. Sacchetti.
2. The updated tables were submitted to Mr. Halley for inclusion in the final document.

GNP Per Capita in U.S. Dollars

3. Work was continued on the preparation of updated GNP per capita figures in U.S. dollars, for inclusion in a revised edition of the World Bank Atlas.

World Tables

4. A set of 8 new tables has been drafted, together with explanatory notes. These will be circulated shortly for comment.
5. A further World Table supplement is now in preparation containing a functional breakdown of central government expenditure in developing countries for which information is available.

Review of IBRD Country Reports

6. The Statistical Appendixes of the IBRD Country Reports on Turkey, the Malagasy Republic and Thailand were reviewed, and comments submitted.

Miscellaneous

7. A table detailing average and marginal savings rates and

average investment rates in selected industrial countries (1960-1965) was prepared at the request of Mr. Friedman.

3. The tables contained in the first section of Part 2 of the IBRD Annual Report 1966/67 "Trends and Outlook in Developing Finance" were reviewed and comments submitted to Mr. Kochav.

cc: Messrs. Stevenson  
Collier

ELevy:eb

Mr. A.M. Kamarck (through Mr. Kalmanoff)

June 16, 1967

Vinod Dubey *VD*

Progress Report - June 1-15

P. de Fontenay:

- (a) Worked on Annual Report;
- (b) worked on revision of draft paper on Debt Rescheduling;
- (c) briefed Professor Blordone from France, on work done in the Bank on balance of payments of LDCs.

V. Dubey:

- (a) Completed the Bank's submission to UNCTAD for their Annual Report;
- (b) memo on request from IFC on financing of projects for producing surplus commodities;
- (c) worked on preparing a general outline for country debt models and debt projection studies;
- (d) memo to Mr. Kalmanoff giving information on "The Brazilian Action Group" requested by Mr. Friedman.

A. Karasmanoglu:

On mission.

P. Leon:

On home leave.

B. Rao:

- (a) Discussed with Mr. Kochav parts of the economic section of the draft annual report;
- (b) continuing work on multilateral agencies;
- (c) corresponded with Mr. Smith of the UN.

Cc: Messrs. Stevenson  
Kalmanoff

VD/jb

Ec. Dept. P.R.

Mr. Andrew M. Kamarek

June 16, 1967

Stanley Please

Report on the activities of the Domestic Development Finance  
Division -- June 1-16, 1967

1. Research Mission to Brazil

Messrs. Holsen, Christoffersen, Comies and Sciulli have been working both on their contributions to the general economic mission report being prepared by Mr. Avramovic and on their research mission report.

2. Research and Other Division Activities

Mr. Beier has been working on a study of load control in West Pakistan and has prepared a note on the problem of tax neutrality in the field of transportation. The latter has arisen out of discussions between the Projects Department and the European Department concerning the studies of transport coordination in Spain expected from the Spaniards on their loan agreement.

Mr. Basoah has commenced a French language course and is continuing his general work on the fiscal problems of African countries.

Mr. Edlund has continued his general study of earmarking of public revenues.

Mr. Churchill has been on home leave.

Mr. Huber is temporarily assigned to the Division from the Western Hemisphere Department and has been involved in the Central American Road User Charges Study.

Mr. Please - general supervision of Division activities and preliminary work with the view to participation in the economic mission to India in July.

cc: Messrs. Stevenson and Collier

SPlease:lo

Mr. A.M. Kamarch

June 16, 1967

E.K. Hawkins

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending June 15, 1967

- E.K. Hawkins - Completed redrafting of capital inflow paper.  
Discussions on import classification for the Malaysia and Jamaican models.
- A. Elsaas - General supervision.  
- Further work on the feasibility of model work on Peru.
- R.J. Niebuhr - Further work on econometric model for Malaysia, including consideration of import classification required.
- J.D. Liu - Further work on econometric model for Brazil.
- N.G. Carter - Resumption of work on Jamaican model and preliminary work on import classification required.  
Discussions on computer needs.
- K. Krishnamurty - Further work on data collection for consumption/savings study and estimation of tentative equations.  
Attendance at sub-committee and Economic Committee meetings on Turkey.
- M. Hall  
(Consultant) - Joined the Division for summer work on Jamaica.

EKHawkins/w

cc: Messrs. Stevenson, de Vries, Elsaas, Niebuhr, Liu, Carter and Krishnamurty

Mr. Andrew M. Kamarek

June 15, 1967

H. David Davis

Principal Activities: June 1-15, 1967

1. Liaison with UNCTAD: exchanged standard outlines for tourism sector studies and commented thereon.
2. Peru: Reviewed UNESCO tourism studies and consulted with Peruvian Minister concerning them; evaluated an outline of a proposed feasibility study for IFC; assessed a consultants' sector study.
3. South Adriatic (Yugoslavia) Development Study (UNDP): advised UN, after consultation with Europe Department and Personnel, on recruitment of financial consultant.
4. Lebanon: commented on second draft of tourism section of IFC report.
5. Canadian exports of tourism equipment: discussed promotion methods with an official of Canadian Department of Trade and Commerce.

cc: Mr. van der Tak  
HDDavis:jmd

Mr. J. H. Collier

June 16, 1967

O. Maiss

Comparative Analysis Division

During June 1-15, members of the division were occupied with:

- a) reviewing economic reports on Malagasy Republic, New Guinea, Thailand and Turkey;
- b) statistical work on IDA allocation (for Mr. Adler);
- c) preparing a note on non-project lending;
- d) collecting material on lending activities of consortia and consultative groups (for Mr. Adler);
- e) reviewing material from the tripartite coffee study;
- f) doing part-time work for the Ethiopia Mission (Mr. Maane).

cc: Messrs. Kassarok  
Stevenson

Omaiss:cc

Mr. A. M. Kanaeck

June 7, 1967

Emmanuel Levy

Work Progress Report for the Comparative Data Division for the Period  
May 16-21, 1967

GNP Per Capita in U.S. Dollars

1. Work was continued on the preparation of updated GNP per capita figures in U.S. dollars, for inclusion in a revised edition of the World Bank Atlas.

IBRD Annual Report

2. Revised average period rates of growth of selected economic indicators for 40 developing countries were prepared at the request of Mr. Kochav. The growth rates were recalculated on a different base year in order to bring them into line with those employed by Mr. Balassa in his contribution to the IBRD Report.

World Tables

3. A set of 8 new tables has been drafted and will be circulated shortly for comment.

IBRD Country Report

4. The Statistical Appendix of the IBRD Country Report on Ethiopia was reviewed, and comments submitted. It should be pointed out that the time generally allotted for review is too short to permit thorough checking.

Miscellaneous

5. Average regional projections of GNP per capita in U.S. dollars for 1980 were prepared at the request of Mr. Friedman.

cc: Messrs. Stevenson  
Collier

ELevy:eb

Mr. Andrew M. Kamarck

June 6, 1967

Arthur E. Tiemann *act*

Progress Report of Statistical Services Division  
for the period May 16 - 31, 1967

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E.M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	5	5(1)	1	3(1)	1	10(5)	2	17(6)
Dec. 31, 1966	5	5(1)	1	1(1)	1/1	7(3)	1	12(6)
Sept. 30, 1966	-	-	-	2	-	-	-	-
June 30, 1966	-	-	-	-	-	2(1)	1	4
Dec. 31, 1965	-	-	-	-	-	1(1)	-	1

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during the period; 1 = revision.

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Inventory for analyses of functions of External Debt Section		Ec. (Karaosmanoglu)	In progress
3. India - preparation of tables showing individual external public loans outstanding as of Sept. 30, 1966 by creditor country, interest rate and maturity and projected service payments by creditor country, category and interest rate		Ec. (King)	In progress
4. Preparation of debt cards and posting of Eximbank loans as of 12/31/66 for African and Asian countries		Economics	Completed
5. India - preparation of tables showing amount of and service payments on major additions to external public debt as of Sept. 30, 1966		Ec. (King)	In progress
6. India - preparation of table showing estimated future disbursements by creditor country on external public debt outstanding as of Sept. 30, 1966		Ec. (King)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. India - preparation of tables showing estimated amounts outstanding and service payments on suppliers' credits by country as of December 31, 1965	Ec.(King)	In progress
8. Preparation of debt cards and posting June 30, 1966 of Dept. of Agriculture loans to African and Asian countries	Economics	In progress
9. All countries - preparing list of agreement dates of Eximbank loans	Economics	In progress
10. Preparation of debt cards and posting of Eximbank loans for European and Middle-Eastern countries	Economics	In progress
11. Preparation of debt cards and posting of Eximbank loans for Western Hemisphere countries	Economics	In progress
13. Nigeria - preparation of memorandum on debt submission as of 12/31/66	Africa	Completed
13. Posting of AID loans for African countries as of 12/31/66	Africa	Completed
14. India - coding IBRD loans for the fiscal year ending 9/30/66	Asia	Completed
15. Philippines - preparation of memorandum on debt submission as of 12/31/66	Asia	Completed
16. Pakistan - preparation of list of all loans with down payments contracted since January 1, 1965	Asia	Completed
17. Posting of AID loans for Asian countries as of 12/31/66	Asia	Completed
18. Ecuador - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	Completed
19. El Salvador - preparation of amortization schedule for proposed IBRD loan	W.Hem.-	Completed
20. Preparation of tables showing outstanding and service payments 1966-1980 for five Central American countries	W.Hem.(Schmitt)	In progress

Mr. Andrew M. Kamarok

- 3 -

June 6, 1967

Work

Requested by

Status

21. Argentina - preparation of table showing  
loans contracted January 1 - December 31,  
1966 by category

W.Ham. (Dosik)

Completed

June 6, 1967

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Moderately complicated regression analysis: Saving study of Peru	Ec. (Elsaas)	Completed
3. Moderately complicated regression analysis: Saving study of Peru, Greece, Chile, India	Ec. (Krishnamurty)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Clark model for Uganda	Ec. (Carter, N.)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In progress
9. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
10. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	Completed
11. Simple calculations: IDA re-financing study	Ec. (Hulley)	In progress
12. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	Completed

June 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
13. Moderately complicated calculations and tabulations: Eight random samples by country illustrating a range at competitive bids by company for selected heavy equipment. Statistical measures of probability - price change and determination	Ec. (Cilingiroglu)	Completed
14. Moderately complex regression analysis: Exports of olive oil and other oils from various countries and world	Ec. (Elz)	In progress
15. Moderately complicated regression analysis: Agricultural model - Angstrom aridity index	Ec. (Oury)	In progress
16. Complicated regression analysis and tabulations: Import matrices for 1965	Ec. (Balassa)	In progress
17. Moderately complex regression analysis: Historical series, correlation of per capita, steel consumption from U.K., France, Spain and Italy	Ec. (Datan)	Completed
18. Simple statistical analysis: Export quantity study - collection of data, calculations, regression analysis	Ec. (Singh)	In progress
19. Highly complicated data search: Argentina beef production study	Ec. (Oury)	In progress
20. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafruerte)	In progress
21. Routine checking: Highway project - Trinidad and Tobago	Proj. (Kaden)	Completed
22. Routine checking: Spain - Balance Sheets, cash flow	Proj. (McGunniff)	Completed
23. Simple calculations: Indus Basin study - calculation of rate return	Proj. (Myint)	Completed
24. Complicated analysis: Disbursement patterns of IERD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress

June 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
25. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guacui-La-Paz	Proj. (Sander)	On hand
26. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
27. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return cal- culations - areas and yield study	Proj. (Wapenhans/Manning)	In progress
28. Moderately complicated computation of elas- ticities, calculations of regression equa- tions for West Pakistan	Proj. (Willoughby)	Completed
29. Moderately complicated calculation and regression analysis: Compound annual percentage growth rate	Proj. (Sonley)	In progress
30. Simple calculations and graphing: Administrative expenses, staff loans etc.	Adm. (Eschenberg)	Completed
31. Moderately complicated calculations and regression analysis: Tourism Study - tourists arrivals from 12 developed countries as a function of GNP	Adm. (Pfeffermann)	In progress
32. Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
33. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
34. Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data	Afr. (Booz)	In progress
35. Moderately complex calculations: Moroccan Mission - imports, exports, value and value projections - balance of payment projections, investment by sector and pro- jections	Afr. (Edelman)	In progress

June 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
36. Moderately complicated regression analysis: Imports related to GDP, population investment, area, etc. for 66 countries	EDI (Dominguez)	In progress
37. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IPC (Cohn)	In progress
38. Moderately complicated regression analysis: Supplementary finance study	Pres.Off.(Sundrum)	Completed
39. Moderately complicated regression analysis: Export fluctuation study	Pres.Off.(Sundrum/Gassner)	In progress
40. Routine checking: Annual report calculations, editing on trade and finance	Pres.Off.(Kochav)	In progress
41. Moderately complicated tabulations: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from Louisiana and states along the Mississippi River	Pres.Off.(Rist)	In progress
42. Moderately complicated regression analysis: Elasticities from import multipliers and means	Ec.(Jung-Liu)	Completed

June 6, 1967

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj.(Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a tape file and the required retrieval and processing procedures	Ec.(Statistics)	In progress
3. Complex systems analyses to plan and program a macroeconomic data bank	Ec.(Levy)	In abeyance
4. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec.(Statistics)	In progress
5. Run of various correlation and regression programs on Cotton and Wheat data	Ec. (Oury)	In progress
6. Participation in the activities of the computer working committee	Adm.(Fraser)	In progress

June 6, 1967

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Ethiopia organization chart	Proj.(Reid)	In progress
2. Ceylon - System Capacity and Maximum Demand chart	Proj.(Wyatt)	Completed
3. El Salvador - Expenditure on education by main sectors, 1 chart	Proj. (Hultin)	Completed
4. Indus Special Study - 1 chart - Kamber Vs Thermal after Tarbela	Proj.(Willoughby)	Completed
5. Jordan Arab Potash Schedule	IFC (Channugan)	Completed
6. Algeria - 7 charts, education(French version)	Algerian Mis.(Leon)	In progress
7. Algeria - 7 charts, education(English " )	Algerian Mission(Leon)	Completed
8. Coffee Study - 9 charts	Ec.(Lovasy)	Completed
9. 1 chart on Industrial Production and Aluminum Consumption	Ec.(A. Huang)	In progress
10. Argentina - 2 charts	Ec.(Dadas)	On hand
11. Brazil educational charts(sketches)	W.Hem.(Lourie/Iverson)	In progress
12. Brazil - enrollment by level at beginning of year 1964	W.Hem.(Lourie/Iverson)	In progress

June 6, 1967

E. CONTINUING

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of international government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards
12. Routine updating of historical tables of all countries to 12/31/66

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of ~~IERD-IDA~~ loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

GRAPHICS

1. Preparation and maintenance of interest rate charts

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cc: Messrs. Stevenson  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
BOTSWANA - December 31, 1966		Completed
CAMEROON - December 31, 1966		In progress
CHAD - December 31, 1966		Completed
EACSO - December 31, 1966		In progress
ETHIOPIA - December 31, 1966		In progress
IVORY COAST - December 31, 1966 (new)		In progress
LESOTHO - June 30, 1966		In abeyance
MOROCCO - December 31, 1966		In progress
NIGERIA - December 31, 1966		Completed
SOMALIA - December 31, 1966		Completed
SUDAN - December 31, 1966		Completed
<u>ASIA</u>		
INDIA - September 30, 1966		In progress
INDONESIA - September 30, 1966		In progress
JAPAN - December 31, 1966 (new)		In progress
PHILIPPINES - December 31, 1966		Completed
SINGAPORE - December 31, 1966	Asanuma	In abeyance
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1966		In progress
BELGIUM - December 31, 1966		In progress
FRANCE - December 31, 1966(new)		In progress
ICELAND - December 31, 1966(new)		In progress
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
JORDAN - December 31, 1966(new)		In progress
LEBANON - December 31, 1966(rev.)	de Wit	Completed
MAURITIUS - Dec. 31, 1965(new); June 30, 1966(new)		In progress
PORTUGAL - December 31, 1966		In progress
SPAIN - June 30, 1966		In progress
UNITED KINGDOM - December 31, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; December 31, 1966		In progress
BOLIVIA - June 30, 1966; December 31, 1966		In progress
CHILE - December 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1966(new)		In progress
COSTA RICA - December 31, 1966		In progress
ECUADOR - December 31, 1966(new)		In progress
GUATEMALA - December 31, 1966(new)		In progress
GUYANA - December 31, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Heijden	In abeyance
HONDURAS - December 31, 1966		In progress
JAMAICA - December 31, 1966		Completed
PANAMA - December 31, 1966(new)		In progress
TRINIDAD & TOBAGO - December 31, 1966(new)		In progress
URUGUAY - June 30, 1966		Completed
VENEZUELA - December 31, 1966(new)		In progress

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

Mr. A.M. Kamarek

June 5, 1967

Paolo Leon

Progress Report - May 15 - 30, 1967

P. de Fontenay:

- (a) Worked on Annual Report;
- (b) drafted memo on U.S. restrictions on private capital movements.

V. Dubey:

- (a) Provided material for UNCTAD's Annual Report;
- (b) prepared memo on the IFC's position on projects producing surplus commodities;
- (c) participated in a meeting with Mr. Ohlin.

B. Rao:

- (a) Completed balance of payments work for the Annual Report;
- (b) Commenced work for Mr. Rist on international lending agencies;
- (c) wrote a review of "Asia's Population Problems" for "Finance and Development".

P. Leon:

- (a) Continued work on paper on international debt settlements;
- (b) arranged for Mr. Ohlin's visit to the Bank;
- (c) helped in revising Part I IDA briefs;
- (d) drafted a memorandum on the IIB experience on export financing;
- (e) participated in discussions relating to an UNCTAD request for debt data;
- (f) attended to minor sundry matters for Algeria mission;
- (g) memorandum on the Division's participation in forthcoming missions;
- (h) general supervision.

Mr. Karaosmanoğlu is on a mission.

jb

Cc: Mr. A. Stevenson  
Mr. G. Kalmnoff

Mr. A.M. Kamarek

June 2, 1967

E.K. Hawkins *EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending May 31, 1967

- E.K. Hawkins            -   Redrafting of capital inflow paper.  
                              Discussions on import classification project.  
                              Discussions on computer needs.
- A. Elsaas                -   Further work on the feasibility of model work  
                              on Peru.
- R.J. Niebuhr            -   Further work on econometric model for Malaysia.  
                              Preliminary work on import classification project.  
                              Discussions on computer needs.
- J.C. Liu                 -   Further work on econometric model for Brazil.
- N.G. Carter             -   Further work on Uganda report and resumption of  
                              work on the Uganda model.  
                              Preliminary work on import classification project.  
                              Discussions on computer needs.
- K. Krishnamurty        -   Further work on data collection for consumption/  
                              savings study and estimation of tentative  
                              equations.  
                              Review of Economic Report on Turkey for  
                              sub-committee.

EKHawkins/w

cc: Messrs. Stevenson, de Vries, Elsaas, Niebuhr, Liu, Carter and Krishnamurty

# STATUS OF MAJOR STUDIES

## Estimated dates for the completion of the different stages

### Stage 1

### Stage 2

### Stage 3

A. Elsas	<u>Study of Indian Planning Models</u> *		Draft under consideration within the Bank.	
E.G. Carter and E.K. Hawkins Consultant - Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	Project resumed. June - Dec. 1967	Subject to discussion at the end of stage 2.
J.C. Liu	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	Draft planned for completion at end of June 1967.
R.J. Niebur	<u>Econometric Model for Malaysia</u>	Complete	Complete	May-June 1967.
K. Krishnaswamy	<u>Study of Consumption/Savings Relationships</u>	Complete	April-June 1967	Subject to discussion of results of stage 2.
H.G. Carter	<u>East Africa Model - Uganda</u>	Complete	Project resumed. June - December 1967	Subject to discussion at the end of stage 2.
A. Conrad (consultant)	<u>Capital/Output Ratios Study</u>	January to May 1967	June - August 1967	September 1967 to June 1968.

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models reworked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

\* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. Andrew M. Kanarek  
Through Mr. J. H. Collier  
Stanley Please

June 1, 1967

Report on the activities of the Domestic Development Finance  
Division -- May 17 - May 31, 1967

1. Research Mission to Brazil

Messrs. Comiez and Sciulli have been continuing the preparation of their public finance annex to the general economic mission report being prepared by Mr. Avramovic.

Mr. Christoffersen has been working predominantly on his research mission report and in addition undertaking work for the general economic mission.

Mr. Holsen has been dividing his time between work for Mr. Avramovic and his own research mission report.

2. Research and Other Division Activities

Mr. Beier has been undertaking preparatory work for a study of load control in West Pakistan.

Mr. Basoah has reviewed the report on the economic position and prospects of the Ivory Coast and has continued his general work on the fiscal problems of African countries.

Mr. Edlund has produced the final version of his paper on the earmarking of taxes for highways in developing countries, which is to appear as a departmental working paper, and has continued his more general study of earmarking of public revenues.

Mr. Churchill has been involved in the study of road user charges in Central America and has been on home leave since May 22.

Mr. Huber is temporarily assigned to the Division from the Western Hemisphere Department and has been involved in the Central American Road User Charges Study.

Mr. Please - general supervision of Division activities.

cc: Messrs. Stevenson and Collier

May June 1, 1967

Domestic Development Finance Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man-months required (per author)</u>	<u>Mrs. Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Comm. draft</u>	<u>Blue Cover</u>	<u>Remarks</u>
Development Finance	(Holsen	12	3	15 Aug 66)	30 June	31 July	-	-	Draft Report delayed due to demands made by the general economic mission to Brazil. It is likely that these demands will continue into the latter part of June but it is hoped that the early drafts of the research mission will be completed during July.
	(Christofferson	12	3	1 Aug 66)	67	67			
	(Comies	12	3	1 Aug 66)					
	(Sciolti	12	3	1 Aug 66)					
Earmarking of Revenues for Highway Purposes	Eklund (Y.P.)	3	None	1 Jan 67	1 March 67	24 March 67	-	-	Study being circulated as a departmental working paper.
Extension of Earmarking study	Eklund (Y.P.)	3	None	1 Apr 67	mid-June	30 June 67	-	-	General survey of literature and the collection of as much data and other information as is possible from published sources.
Load Control Study in West Pakistan	Beier	6	None	1 June 67	30 Nov 67	-	-	-	This study is being undertaken in collaboration with Projects Department and members of the Indus Basin study team. Draft terms of reference for the study are at present being drawn up.

<u>Study</u>	<u>Authors</u>	<u>Total man-months required (per author)</u>	<u>Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Comm. draft</u>	<u>Blue Cover</u>	<u>Remarks</u>
Central American Road User Charges Study	(Churchill Huber*)	7 7	6 wks.) 6 wks.)	10 May 67	-	31 Dec. 67	-	-	This is an interdepartmental study (Western Hemisphere Dept., Projects Dept., Economics Dept.) being undertaken in the Economics Department under the general supervision of Mr. Please. A highway engineer and a transport economist are to assist the study team on a part-time basis but these have not yet been designated. It is proposed to invite Professor Walters to act as a consultant to the study team and the terms of such a proposal are at present the subject of discussion. Final approval of the study by the Department of Program Evaluation and Control has yet to be obtained.

\*Western Hemisphere Dept.

Mr. Andrew M. Kamarok

June 1, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - May 16-31

Walstedt:

1. Annual leave from May 15 to 19.
2. General supervision.
3. Work Program 1967/68.

Baranson:

Industrial Protection Study

1. Desensitizing automotive industry report.
2. Review of Yugoslavia Industrial Projects Report.

Gilingiroglu:

Industrial Protection Study

1. Revising Heavy Electrical Equipment Report.

Datas:

Industrial Protection Study

1. Heavy Mechanical Industry - final report.
  - Financial structure and financial ratios of some major producers in developing and developed countries;
  - Argentine report - revisions and additions.

Guillet:

1. Making a number of changes in the report on Lebanon plus expansion of tourism section.
2. Preparation of lecture on methods of industrial development for EDI French Course.

Lall:

1. Wrote first draft of memorandum on Effective Tariff and Bruno Method.
2. Comments on three volumes on industry of the East African report.

Nowicki:

1. Comments on industrial report for Central America.
2. Comments on industrial report for Argentina.
3. Preparation of memorandum on the demand for automobiles.
4. Final adjustments of the Economic Report on Guinea.

Schrenk:

Industrial Protection Study

1. Continued work on the structure of the U.S. Mechanical Engineering industry and preparation of field visits.

Villela:

1. Review and comment on Central American Industrial report.
2. Review of literature on performance of government enterprise in different countries.
3. Preparation of lecture on Industrial Financing to be delivered at EDI French Course.

June 1, 1967

Harshap:

Industrial Protection Study

1. Production and trade figures on heavy mechanical equipment.

Hay:

Industrial Protection Study

1. Production and trade figures on heavy mechanical equipment.

Rurray:

Industrial Protection Study

1. Automotive industry - individual country studies.

  
B:JS

cc: Messrs. Stevenson, de Vries, Collier  
Industrialization Division

Mr. A. M. Kamarek

June 1, 1967

H. G. van der Tak

Principal Activities of Investment Planning Division, May 16-31

- de Weille : Prepared, with Mr. Reutlinger, minutes of meeting on The Economics of Road User Charges; finalized Working Paper No. I on Present Worth Calculations; revised EC-147, An Economic Reappraisal of a Road Project, for publication.
- Meroz : Returned on May 25 from mission to Ethiopia and Kenya on urban water supply problems; prepared back-to-office report; started work on preappraisal report of the Nairobi water supply project.
- Oury : Completed draft paper on Program WINDEX for the calculation of weather indexes to be used in agricultural output appraisal; continued work on crop yield projections in West Pakistan; miscellaneous comments and meetings.
- Ray : Continued work on paper on the analysis of road transport projects; attended Sub-committee meeting.
- Reutlinger : Prepared, with Mr. de Weille, minutes of meeting on The Economics of Road User Charges; continued revision of draft paper on treatment of uncertainty in project analysis; miscellaneous comments and meetings.
- Schmedtje : Participated in meetings with Mr. Blaug discussing his paper on cost-benefit analysis of education; continued work on draft paper on public expenditure patterns; miscellaneous comments and meetings.
- Sharif : Continued revisions of the Thailand mission report on the agriculture and transportation sectors; reviewed (for Mr. de Vries) draft article on "Controlling the Chao Phya" for publication in Finance and Development.
- Thias : Prepared for and participated in meetings with Mr. Blaug discussing his paper on cost-benefit analysis of education; prepared and left for mission to Gabon for appraisal of education projects.
- (Ul Haq) : On temporary secondment; worked on policy performance in Pakistan.
- Vergin : On home leave.
- van der Tak : Participated in meetings with Mr. Blaug; chaired Sub-committee meeting on Ivory Coast; general supervision.

HGvdT:zmc

cc: Mr. A. Stevenson  
Mr. B. B. King

June 1, 1967

Investment Planning Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man months required (per author)</u>	<u>Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Comm. draft</u>	<u>Blue cover</u>	<u>Remarks</u>
<u>Research</u>									
1. Optimum Timing of Investments	de Weille	4	-	Nov.15/66	Dec.31/66	July/67	-	-	Division draft completed and reviewed.
2. Analysis of Road Construction and Maintenance Costs	de Weille ) Angeles )	6	-	Jul.20/66	June/67	-	-	-	Intended to be issued shortly as a working paper.
3. Urban Water Supply	(de Wit) Heros	5 6	- -	June/65 June/66	Apr.1/66 Feb/67	- June/67	- -	- -	Preliminary draft (de Wit) completed and reviewed; Division draft on demand aspects being revised.
4. Demand/Cost Structure of the Power Industry	(Nunez)	5	-	Oct.1/65	Suspended	-	-	-	Possible job for consultant being considered.
5. Agricultural Production Models	Oury	6(?)	-	July/66	-	Dec/66- June/66	-	-	First stage only (introduction and Pakistan case study); progress report available; paper on Program WINDEX for calculation of water indexes completed; preparatory work on second case study on Argentine beef production started.
6. Uncertainty in Project Analysis	Reutlinger	6	-	Oct/66	March/67	June/67	-	-	Draft study being revised; first draft to be circulated early June.
7. Problems of Inflation in Project Analysis	Schmedtje	3	-	Jan.20/67	July/67(?)	-	-	-	
8. Public Expenditure Patterns	Sharif (Schmedtje)	9	-	Nov. 1/65	Apr.1/66	Aug/66	-	-	Detailed review of draft completed; additional work required; re-draft (Schmedtje) to be ready in June/67.
9. A Note on the Economic Analysis of Road Transport Projects	van der Tak ) Ray )	-	-	-	-	-	-	-	Comments received and discussed; additional work required; expected to be completed in June.
10. Cost-Benefit Analysis of Education Projects	Elaug (consultant)	1 1/2	-	Oct/66	-	March/67	-	-	First stage only; draft discussed in May; to be revised this summer; further work under consideration.
11. Road User Charges	Walters (consultant)	4	-	Sept/66	-	Feb/67	-	-	First draft circulated end March; comments received, discussed in May; summary paper to be prepared this summer, followed by general revision of draft study.
12. Feeder Road End-Use Study	de Weille ) Reutlinger )	12(?)	-	-	-	Spring '68	-	-	Preparatory work now started as Bank/El Salvador relations are reported to have improved.
13. (Policy Performance in Pakistan)	Ul Haq					May/June/67	-	-	Temporary secondment.
<u>Operational</u>									
14. Indus Basin Study	Vergin	12(?)	3	July 1/65	-	(?)	-	Apr/June/67	Indus Basin Special Study (headed by Mr. Liefertinck); Vergin with Econ. Dept. since July 1/65; Basin Study started Feb. 1965.

Mr. Andrew M. Kamarek

May 31, 1967

H. David Davis

Principal Activities: May 16 - 31, 1967

1. Tourism:

- a. Prepared standardized outline of main features to be covered in a sector study.
- b. Reviewed and commented on tourism portions of the following reports:
  - i. Ethiopia (regular economic report)
  - ii. Algeria (economic report in depth)
  - iii. Lebanon (IFC pre-appraisal of private-sector financing needs)
- c. Consulted on tourism policies and programs for the new Middle East and North Africa Department.

2. East Africa Report:

- a. Completed Economic Sub-Committee meetings.
- b. Revised and rewrote portions of Volume III, Part One: Prospects for Economic Development in Tanzania.

cc: Mr. van der Tak

HDD:cjl

Mr. J. H. Collier

May 31, 1967

O. Maiss

Comparative Analysis Division - Activities during May 16-31

1. Miscellaneous short-term assignments:

- a) economic reports on Ethiopia, Colombia, Central America and Ivory Coast have been reviewed;
- b) statistical work was done on IDA allocation;
- c) note on non-project lending was prepared.

2. Mission assignments:

- a) Mr. Maane worked full time for the Ethiopian Mission.
- b) Mr. Maiss worked part time for the Uganda Mission.

cc: Messrs. Kamarek  
Stevenson

Omaiss:cc

Mr. A.M. Kamarek

May 19, 1967

E.K. Hawkins

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending May 15, 1967

- E.K. Hawkins      - Review of work program for budgetary purposes.  
  
Preparation and negotiation of project proposal  
by consultant.  
  
Further work on capital inflow paper.
- A. Elsaas      - Preliminary work on the feasibility of model  
work on Peru.
- R.J. Niebuhr      - Further work on econometric model for Malaysia.  
Took part in review of draft economic report.
- J.C. Liu      - Further work on econometric model for Brazil.
- N.G. Carter      - Further work on Uganda report, including  
attendance at review of report.  
  
Further work on project proposal (economic country  
models) and proposal for import study.  
  
Further work on a model for Jamaica.
- K. Krishnamurty      - Further work on data collection for consumption/  
savings study and estimation of tentative  
equations.

EKHawkins/w

cc: Messrs. Stevenson, de Vries, Elsaas, Niebuhr, Liu, Carter and Krishnamurty

Mr. Andrew M. Kamarek

May 18, 1967

Arthur E. Tiemann *aoj*

Progress Report of Statistical Services Division  
for the period May 1 - 15, 1967

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA								
Date	Africa		Asia		E-M.D.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	9(2)	1(1)	3	4	5(1)	5	13(5)
Dec. 31, 1966	-	9(2)	1(1)	1	2	4(1)	1	7(4)
Sept. 30, 1966	-	-	-	2	-	-	-	-
June 30, 1966	-	-	-	-	2	1	2	5(1)
Dec. 31, 1965	-	-	-	-	-	-	2	1

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during the period.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Inventory for analyses of functions of External Debt Section	Ec. (Karaosmanoglu)	In progress
3. Selected developing countries - interest payments in 1960 and 1965	Ec. (Balassa)	Completed
4. Drafting reminder letters on overdue submission of debt forms	Economics	Completed
5. Preparation of debt cards and posting of Eximbank loans as of 12/31/66 for Africa and Asian countries	Economics	In progress
6. Amortization schedule for OECD-IBRD Joint Reporting System instructions	Ec. (Slappey)	Completed
7. EACSO - examination of debt report from East African Airways as of 12/31/66	Africa	Completed
8. Nigeria - preparation of memorandum on debt submission as of 12/31/66	Africa	In progress
9. Malawi - preparation of memorandum on debt submission as of 12/31/66	Africa (Bruce)	Completed

May 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. India - coding IBRD loans for the fiscal year ending 9/30/66	Asia	In progress
11. Thailand - preparation of memorandum on debt submission as of 12/31/66	Asia(Honsi)	Completed
12. India - preparation of tables showing service payments on individual loans from Germany for the period 1967-1968	Asia	Completed
13. India - special coding for IBRD loans as of 3/31/67	Asia	Completed
14. Singapore - preparation of amortization schedule for proposed IBRD loan	Asia (Jentgen)	Completed
15. Brazil - preparation of debt cards	W.Hem.	In progress
16. Brazil - 1 amortization schedule	W.Hem. (Que)	Completed
17. Peru - moderately complicated calculation of maximum new permissible borrowing 1967-1971 and debt service for debts to be contracted in these periods	W.Hem. (Wys)	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Moderately complicated data collections and calculations: Trends - past and projections of sugar net imports from free world	Ec. (Ali)	Completed
3. Moderately complicated tabulations: Preparation of country economic reports spanning the four areas: Africa, Western Hemisphere, Asia, Europe & Middle East, by public debt, balance of payments, capital requirements and debt exercises	Ec. (Karacasmanoglu)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Simple regression analysis: Interrelationship between fiber consumption and GDP - historical series	Ec. (Varon)	Completed
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
9. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
10. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple calculations: IDA Refinancing study	Ec. (Halley)	Completed
12. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
13. Moderately complex statistical analysis: Iran study - sampling analysis, estimation of large sample and small sample	Ec. (de Weille)	Completed
14. Moderately complicated regression analysis: Agricultural model - Angstrom aridity index	Ec. (Oury)	In progress
15. Complicated regression analysis and tabulations: Import matrices for 1965	Ec. (Balassa)	In progress
16. Moderately complex data handling: Rice study - calculations and tabulations, plotting graphs	Ec. (Singh)	Completed
17. Moderately complicated data search: Coffee prices - historical data from African Mission	Ec. (Lovasy)	Completed
18. Simple statistical analysis: Export quantity study - collection of data, calculations, regression analysis	Ec. (Singh)	In progress
19. Simple calculations: Elasticity of aluminum consumption	Ec. (Huang)	Completed
20. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafuerte)	In progress
21. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karaozmanoglu)	Completed
22. Simple calculations of data: Commodity price calculation for alternative index	Ec. (Singh)	Completed
23. Moderately complicated regression analysis: Plywood consumption in U.S., U.K., etc. related to construction, furniture manufactures etc. - trend and projections	Ec. (Khan)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
24. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
25. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
26. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
27. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return cal- culations - areas and yield study	Proj. (Wapenhans/Manning)	In progress
28. Moderately complex data handling and calcu- lations: Mexico road investment - calculation of rate of return	Proj. (Mendoza)	Completed
29. Moderately complex data handling and calcu- lations: Raliad Irrigation Project	Proj. (Malone)	Completed
30. Simple calculations: East Cameroon - oil palm project, calcula- tion of rate of return	Adm. (Anselle)	Completed
31. Moderately complicated calculations and re- gression analysis: Tourism Study - tourists arrivals from 12 developed countries as a function of GNP	Adm. (Pfeffermann)	In progress
32. Moderately complicated tabulations: IBRD, IDA and IPC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
33. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S. 1960-66 by states, suppliers, loan no. and goods	Inf. (Noone)	Completed
34. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress

May 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
35. Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data	Afr. (Booz)	In progress
36. Moderately complex calculations: Moroccan Mission - imports, exports, value and volume projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	In progress
37. Moderately complicated regression analysis: Imports related to GDP, population investment, area, etc. for 66 countries	EDI (Dominguez)	In progress
38. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IPC (Cohn)	In progress
39. Simple tabulations and calculations: Technical assistance program for developing countries	Pres.Off. (Kochav)	Completed
40. Moderately complicated regression analysis: Supplementary finance study	Pres.Off.(Sundrum)	In progress
41. Moderately complicated regression analysis: Export fluctuation study	Pres.Off.(Sundrum/Gassner)	In progress
42. Routine checking: Annual report calculations, editing on trade and finance	Pres.Off. (Kochav)	In progress
43. Moderately complicated tabulations: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from Louisiana and states along the Mississippi River)	Pres.Off. (Rist)	In progress
44. Complicated statistical analysis: Determination of a level of borrowing to meet a projected level of availability of funds	W.Hen. (Wyss)	Completed

May 18, 1967

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a tape file and the required retrieval and processing procedures	Ec. (Statistics)	In progress
3. Simple program to calculate special correlation coefficients	Ec. (Oury)	In abeyance
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Run of various correlation and regression programs on Cotton and Wheat data	Ec. (Oury)	In progress
7. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress

**D. GRAPHICS**

<u>1.</u>	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Tanzania - organization chart sketch	Proj. (Soges)	Completed
2.	Analysis of the operations of the Projects Dept.	Proj. (Chadenet/Agnew)	Completed
3.	Ivory Coast - organization chart	Proj. (Rowe)	Completed
4.	El Salvador - revision of 2 charts	Proj. (Hultin)	Completed
5.	Malawi - organization of the Roads Dept.	Proj. (Soges)	Completed
	Indus Special Study - Alternating Growth Rates of the total Mean-Year Demand for Stoned Water on the Indus and Thelum Rivers	Proj. (Lahman)	Completed
7.	Cyprus - 1 organization chart - Depth of Public Works	Proj. (Schaefer)	Completed
8.	Lined Proposal Forms	Proj. (Dajany)	Completed
9.	Sudan - 1 chart - Blue Nile Grid(revised)	Proj. (Hui Huang)	Completed
10.	Pakistan organization chart sketch	IFC (Sekse)	Completed
11.	Banque Nationale Malagasy de Development-organization chart	IFC (Morton)	Completed
	Morocco - Banque Nationale Pour Le Developement Economique - organization chart	IFC (Morton)	Completed
13.	1 chart - Monetary output agricultural sector	E.African Mis.(Hayne)	Completed
14.	Algeria - 7 chart, education	Algerian Mis.(Leon)	In progress
15.	Coffee Study - 9 charts	Ec. (Lovasy)	In progress
16.	1 chart on Industrial Production and Aluminum Consumption	Ec. (A. Huang)	On hand
17.	Brazil - Sector origin of Net National Product at Factor Costs	Ec. (Villafuerte)	Completed
18.	Brazil - one chart - Commercial banks	Ec. (Christoffersen)	Completed

May 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Brazil - 2 charts - interest rates on Bank loans	Ec. (Christoffersen)	Completed
20. Yields on Long-Term Government Bonds in Selected Capital Markets	Pres.Off.(Kochav/de Fontenay)	Completed
21. Cameroon Development Corporation - organization chart	Afr.(Ba)	Completed
22. Brazil - 2 charts - Exchange Rate and Price Movements	W.Hem.(Lerdau)	Completed

May 18, 1967

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on leading agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of international government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards
12. Routine updating of historical tables of all countries to 12/31/66

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

GRAPHICS

1. Preparation and maintenance of interest rate charts

cc: Messrs. Stevenson  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF INDEX TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
BOTSWANA - December 31, 1966		In progress
CAMEROON - December 31, 1966		In progress
CHAD - December 31, 1966 (new)		In progress
EACSO - December 31, 1966		In progress
ETHIOPIA - December 31, 1966		In progress
LESOTHO - June 30, 1966		In abeyance
MOROCCO - December 31, 1966 (new)		In progress
NIGERIA - December 31, 1966		In progress
SOMALIA - December 31, 1966		In progress
SUDAN - December 31, 1966		In progress
<u>ASIA</u>		
INDIA - September 30, 1966		In progress
IRAN - September 30, 1966		In progress
PHILIPPINES - December 31, 1966		In progress
SINGAPORE - December 31, 1966	Asanuma	In abeyance
THAILAND - December 31, 1966 (new)	Foster	Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1966		In progress
BELGIUM - December 31, 1966		In progress
CYPRUS - December 31, 1966		Completed
FRANCE - June 30, 1966		Completed
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965 (rev.)		In abeyance
NORWAY - December 31, 1966		Completed
PORTUGAL - December 31, 1966 (new)		In progress
SPAIN - June 30, 1966		In progress
UNITED KINGDOM - December 31, 1966		In progress
YUGOSLAVIA - June 30, 1966		Completed
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; December 31, 1966		In progress
BOLIVIA - June 30, 1966 (new); December 31, 1966 (new)		In progress
CHILE - December 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1965		Completed
COSTA RICA - December 31, 1966 (new)		In progress
DOMINICAN REPUBLIC - June 30, 1966; Dec. 31, 1966		Completed
GUYANA - December 31, 1966 (new)		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
June 30, 1966; Dec. 31, 1966		In progress
HONDURAS - December 31, 1966		In progress
JAMAICA - December 31, 1966 (new)	P	In progress
PANAMA - June 30, 1966		Completed
PERU - December 31, 1965	Wyss	Completed
URUGUAY - June 30, 1966		In progress

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2/ Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

Mr. A. M. Kamarek

Op Admin  
May 16, 1967

Emanuel Levy

Work Progress Report for the Comparative Country Data Division for  
the Period May 1-15, 1967

IBRD Country Report

1. Expanded and revised regional summary tables were prepared on the growth of population and product in developing countries, at the request of Mr. Kochav and Mr. Balassa. Similar tables were also prepared detailing savings and investment rates.
2. This work occupied the bulk of the time of the research assistants during the period under review.

GNP Per Capita in U.S. Dollars

3. Work was continued on the preparation of updated GNP per capita figures in U.S. dollars, for inclusion in a revised edition of the World Bank Atlas.

Country Data Briefs

4. A revised draft of the proposed country data briefs was completed and circulated, via Mr. Collier, to area economic advisers. A number of comments have already been received in the Department.

World Tables

5. A start has been made on the redrafting of the World Tables. The proposed new Tables will differ from the present Tables both in arrangement and content.
6. The volume of information provided is being expanded, both in the light of our own experience and comments received from holders of the World Tables.
7. It is hoped to circulate the revised draft proposals, for comment, by the end of this month.

ELevy:eb

cc: Messrs. Stevenson  
Collier

Mr. Andrew M. Kanarck

May 16, 1967

Stanley Please

Report on the activities of the Domestic Development Finance  
Division -- May 1 - May 15, 1967

1. Research Mission to Brazil

Messrs. Comiez and Sciolti have been continuing the preparation of their public finance annex to the general economic mission report being prepared by Mr. Avramovic. It has been agreed that they will continue working predominantly on the completion of this appendix throughout most of May and that, as a consequence, the research mission report will not be completed until the end of June.

Mr. Christoffersen has been working on his research mission report and Mr. Holsen has been dividing his time between work for Mr. Avramovic and his own research mission report.

2. Research and Other Division Activities

Mr. Beier has been actively concerned in the review and discussion of the report on the "Economics of Road User Charges" prepared by Professor Walters.

Mr. Churchill has been undertaking preparatory work in connection with the projected study of road user charges in Central America and in addition has been concerned with the discussion of the Walters report. He has also completed the final draft of his public finance report on Colombia which is to be discussed by the Economics Department Sub-Committee this week.

Mr. Basoah has reviewed the public finance report of the economic mission to Ethiopia and in addition has undertaken some exploratory work on the fiscal problem of Tunisia.

Mr. Edlund (Young Professional) has continued his study of earmarking of public revenues.

Mr. Huber has been temporarily assigned to the Division from the Western Hemisphere Department in order to participate in the Central American Road User Charges Study.

Mr. Please made a review of the capital market study of Peru prepared for the Inter-American Development Bank and a comment on the problem of education and development. He provides general supervision of Division activities.

cc: Messrs. Stevenson and Collier

SPlease/10

*Jp. Admin*

Mr. A. M. Kamarek

May 16, 1967

H. G. van der Tak

Principal Activities of Investment Planning Division, May 1-16

de Weille : Revised Iranian road reappraisal study (EC-1147) for publication; started preparation for El Salvador feeder road reappraisal study (216-ES).

Meroz : On mission to Ethiopia and Kenya on urban water supply problems.

Oury : Commented on Brazilian coffee study model (at the request of Mr. Macone); continued work on crop yield projections in West Pakistan; analyzed economic study of Argentine beef industry by J. N. Smith (USDA) in preparation of proposal for quantitative study of beef production in Argentina.

Ray : Continued work on paper on the analysis of road transport projects.

Reutlinger : Two days leave; continued revision of draft paper on treatment of uncertainty in project analysis; started preparation for El Salvador feeder road reappraisal study (216-ES).

Schmedtje : Continued work on revision of draft paper on public expenditure patterns; commented on report on proposed WHO water supply data system (for Mr. Shipman).

Sharif : Continued with the preparation of the Thailand mission report on the agriculture and transportation sectors.

Thias : Follow-up work in connection with Mr. Blaug's study on cost-benefit analysis of education projects; preparation for mission to Gabon for appraisal of education project.

(Ul Haq) : On temporary secondment; worked on policy performance in Pakistan.

Vergin : On home leave.

van der Tak : General supervision.

*WST*  
HGvdT:gmc

cc: Mr. A. Stevenson  
Mr. B. B. King

Mr. Andrew M. Kamarck

May 16, 1967

for Bertil Walstedt

A. Khouri - 7

Principal Activities of Industrialization Division - May 1-16

Walstedt:

General supervision;

Industrial Protection Study:

- Discussion of Heavy Electrical Equipment Report;
- Some work on Heavy Mechanical Equipment Report.

Baranson:

Industrial Protection Study:

- Review of Automotive Industry Report;
- Appraisal of Havemann proposal for research on adaptation of technology;
- Evaluation of mission report on Peru.

Gilingiroglu:

Industrial Protection Study:

- Reviewing comments on Heavy Electrical Equipment Report and preparing additional material for final version of the report.

Datas:

Industrial Protection Study:

- Heavy Electrical Industry
    - Final report - financial structure;
    - Final report - Argentina : foreign exchange savings.
  - Heavy Mechanical Industry
    - Financial structure.
- Review and comments on Central America report.

Schrenk:

Industrial Protection Study:

- Structure of the U.S. mechanical engineering industry.

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Guillet:

Completed first draft of Lebanese report and discussed it with chief of mission and other mission members;

Preparing outline for a lecture on the methods of industrial development to be delivered to the participants of the EMI French Course.

Lall:

Worked on following subjects:

Review of report on Heavy Electrical Equipment;

Review of methodology - "Effective protection" vs. "Bruno measure";

Preliminary study of external economies as related to equipment manufacture.

May 16, 1967

Nowicki:

Review of the Bank's report on Industry in Central America;  
Additional work on Guinea report;  
Study of the demand for automobiles.

Villela:

Revision of Portuguese translation of IFC operation booklet for the Annual Meeting in Brazil;  
Review of Bank's report on Industry in Central America.

Harahap:

Industrial Protection Study:

- Trade figures for heavy electrical equipment;
- Comparative prices for heavy electrical equipment.

May:

Industrial Protection Study:

- Trade figures for heavy electrical equipment;
- Comparative prices for heavy electrical equipment.

Turay:

Industrial Protection Study:

- Automotive industry - individual country studies.

BW:jg

cc: Messrs. Stevenson, de Vries, Collier  
Industrialization Division

Mr. A.M. Kanarek

May 16, 1967

Paolo Leon

Progress Report - May 1-15

- P. de Fontenay:
- (a) Worked on Annual Report;
  - (b) attended meeting at U.S. Department of Commerce on balance of payments statistics;
  - (c) drafted letter for Mr. Friedman.
- V. Dubey:
- (a) Prepared briefs for IDA Part I countries;
  - (b) completed revision of Import Substitution paper;
  - (c) prepared material for submission to UNCTAD for its Annual Report.
- G. Pfeiffermann:
- (a) Spent a week gathering data on recent economic trends in 13 IDA Part I countries and put them together for IDA briefs;
  - (b) wrote a memo on Mainland China's aid to non-communist LDCs.
- B. Rao:
- (a) Briefed Mr. Davis on possible refinement of data on travel and tourism;
  - (b) discussed with Mr. Kochav a section of the draft Annual Report relating to growth and development and provided him with additional information;
  - (c) provided Mr. Kochav data on the transactions' balance of Southern Europe;
  - (d) made an estimate of the reverse flows of capital from LDCs and
  - (e) gave a breakdown of private capital flows to Mr. de Fontenay;
  - (f) spoke to Mr. Narvekar of the Fund regarding some balance of payments information.
- P. Leon:
- (a) Work for Mr. Balassa on reconciling OECD and IMF data;
  - (b) comments on Mr. Balassa's paper for Annual Report;
  - (c) worked on Part I IDA briefs;
  - (d) revision of paper on international debt settlements;
  - (e) read and commented on the tourism volume of the Algerian report;
  - (f) general supervision.
- A. Karasmanoglou      On mission

Cc: Messrs. Stevenson  
Kalmanoff

pl/jb

Mr. Andrew M. Kamarek

May 15, 1967

H. David Davis

Principal Activities: May 1-15, 1967

1. Tourism Sector:

- a. Follow-up on Pacific Area Travel Association meeting: preparation of back-to-office memo and drafting courtesy letters to principal contacts.
- b. Consultations with Mr. S. M. Chib on Ceylon's tourism problems.
- c. Participation (with Mr. Grayson, IFC) in initial meetings on a Colombian hotel project.
- d. Discussions with Mr. P. Ainley, Economic Section, International Civil Aviation Organization (ICAO).
- e. Preparation of a "check-list" of topics to be covered, and consequent data required, in a typical sector study of tourism.

2. East Africa Report:

Preparation for, and participation in, Economic Sub-Committees.

cc: Mr. Sadove  
HDD:cjl

Mr. Andrew M. Kamarck

May 8, 1967

Arthur E. Tiemann

Progress Report of Statistical Services Division  
for the period April 16 - 30, 1967

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA								
Date	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	5(2)	7(3)	1	3(1)	1	8(3)	2	12(1)
Dec. 31, 1966	3(1)	7(3)	1	1(1)	1	5(2)	1	3(1)
Sept. 30, 1966	-	-	-	2	-	-	-	-
June 30, 1966	2(1) <u>1</u>	-	-	-	-	3(1)	1	6
Dec. 31, 1965	-	-	-	-	-	-	-	3

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during the period; 1 = revised.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Inventory for analyses of functions of external debt section	Ec.(Karacostasoglou)	In progress
3. Cameroon - preparation of list of external debt report	Africa	Completed
4. Ghana - preparation of memorandum on debt submission	Africa	Completed
5. Cameroon - preparation of memorandum on debt submission as of 12/31/66	Africa	Completed
6. Zambia - examination of debt material as of 12/31/66	Africa	Completed
7. Sudan - preparation of memorandum on debt submission as of 12/31/66	Africa	Completed
8. Somalia - preparation of memorandum on debt submission as of 12/31/66	Africa	Completed
9. Guinea - preparation of memorandum on debt submission as of 6/30/66	Africa	Completed

May 8, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Kenya - examination of debt data submitted as of 12/31/66	Africa	Completed
11. India - preparation of tables showing service payments on individual loans from Germany for the period 1967-1968	Asia	In progress
12. India - special coding for IERD loans as of 3/31/67	Asia	In progress
13. Thailand - updating June 30, 1966 debt tables	Asia (Foster)	Completed
14. Mexico - Staff Loan Committee chart	W. Hem. (Bochanski)	Completed
15. Mexico - calculation of credits contracted before 12/31/65 but reported on Forms A and B for the first time as of 6/30/66	W. Hem. (Ross)	Completed
16. Peru - preparation of memorandum on report of external public debt	W. Hem. (Wyss)	Completed
17. Mexico - preparation of breakdown of private bank credits contracted during 1965-	W. Hem. (Ross)	Completed
18. Brazil - 2 amortization schedules	W. Hem. (Gue)	Completed
19. Brazil - preparation of debt cards	W. Hem.	In progress
20. Colombia - preparation of table showing loans signed January 1, 1963 - June 30, 1966 and amounts disbursed through June 30, 1966 by purpose	W. Hem. (Teigeiro)	Completed
21. Peru - moderately complicated calculation of maximum new permissible borrowing 1967-1971 and debt service for debts to be contracted in these periods	W. Hem. (Wyss)	In progress
22. Computation of weighted average terms of external public debt incurred in 1963, 1964, and 1965 for 40 developing countries by debt and by source	Pres. Off. (Kochav)	Completed
23. Developing countries - average term of credit 1963-1965	Pres. Off. (Kochav)	Completed
24. Developing countries - debt outstanding and service payments 1960-1966	Pres. Off. (Kochav)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Simple regression analysis: Sugar study - price consumption related to production	Ec. (Ali)	Completed
3. Moderately complicated tabulations: Preparation of country economic reports spanning the four areas: Africa, Western Hemisphere, Asia, Europe & Middle East, by public debt, balance of payments, capital requirements and debt exercises	Ec. (Karacostasoglou)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Idu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Gury)	In progress
7. Moderately complicated regression analysis: Export-Import trends	Ec. (Singh)	Completed
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
9. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
10. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress

May 8, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated tabulations and calculations: Calculation of ratios for selected U.S. industries and tabulations	Ec. (Sohrenk)	Completed
12. Moderately complicated regression analysis: Saving study project	Ec. (Krishnasurty)	Completed
13. Simple calculations: Elasticity of aluminum consumption	Ec. (Huang)	In progress
14. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafuerte)	In progress
15. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karacomanoglu)	In progress
16. Simple collection of data: Commodity price calculation for alternative index	Ec. (Singh)	In progress
17. Moderately complicated regression analysis: Flywood consumption in U.S., U.K., etc. related to construction, furniture manufactures etc. - trend and projections	Ec. (Khan)	In progress
18. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
19. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guasqui-La-Paz	Proj. (Sander)	On hand
20. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
21. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return calculations - areas and yield study	Proj. (Wapenhans/Manning)	In progress

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
22.	Routine checking: China Railway Project - checking figures	Proj. (Brecht)	Completed
23.	Simple checking: Uganda - checking tables from the highway project	Proj. (Young)	Completed
24.	Simple calculations: Second federal highway project	Proj. (Bickers)	Completed
25.	Moderately complicated calculations and regression analysis: Tourism Study - tourists arrivals from 12 developed countries as a function of GNP	Adm. (Pfeffermann)	In progress
26.	Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
27.	Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S. 1960-66 by states, suppliers, loan no. and goods	Inf. (Noone)	In progress
28.	Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
29.	Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data	Afr. (Booz)	In progress
30.	Moderately complex calculations: Moroccan Mission - imports, exports, value and volume projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	In progress
31.	Simple regression analysis: Brazil - projection of inflation and devaluation in Brazil up to 1972 and plotting of the trend	IFC (Eckrich)	Completed
32.	Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohen)	In progress

May 8, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
33. Moderately complicated regression analysis: Supplementary finance study	Pres. Off. (Sundrum)	In progress
34. Moderately complicated regression analysis: Export fluctuation study	Pres. Off. (Sundrum/Gassner)	In progress
35. Moderately complicated calculations: Debt service ratios for 49 countries	Pres. Off. (Kochav)	Completed
36. Routine checking: Annual report checking and calculations	Pres. Off. (Kochav)	In progress
37. Moderately complicated tabulation: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from La. and states along the Mississippi River	Pres. Off. (Rist)	In progress
38. Moderately complex data and tabulations: Listing of IDA and IBRD disbursements in Canada by loan no. and type, company, mate- rial and amount	Treas. (Jones)	Completed

May 8, 1967

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data on the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In abeyance
3. Simple program to calculate special correlations coefficients	Ec. (Oury)	In abeyance
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Revision of a computer program to calculate Angstrom and de Martonne weather indices	Ec. (Oury)	Completed
7. Run of country model computer program on Uganda data	Ec. (Maiss)	Completed
8. Run of various correlation and regression programs on Cotton and Wheat data	Ec. (Oury)	In progress
9. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Analysis of the operations of the Projects Department 7 charts, revised, redrawn and updated	Proj. (Chadenet)	Completed
2. Singapore - 2 schedules and 1 organization chart	Proj. (Grant)	Completed
3. Mexico - organization chart	Proj. (Paraud)	Completed
4. Tanganyika Electric Supply Co. Ltd. - System Capacity and Maximum Demand chart	Proj. (Wyatt)	Completed
5. Ethiopia - Fourth Highway Project Organization chart	Proj. (Reid)	Completed
6. Lima Light System - typical load diagrams	Proj. (Sear)	Completed
7. Ceylon Highway Study - Staffing Schedule	Proj. (Elsby)	Completed
8. Indus Special Study - 1 chart, redrawn	Proj. (Sadove)	Completed
9. El Salvador - 1 educational chart	Proj. (Hultin)	Completed
10. Oil Palm Production, Consumption and Export Projections	Proj. (Anseille)	Completed
11. CPIM - Proposed Organization chart	IFC (Morton)	Completed
12. Banque Nationale Malagasy de Developement - Organization chart	IFC (Morton)	In progress
13. Algeria - 7 charts, education	Algerian Mis. (Leon)	In progress
14. IBRD Primary Commodity Index	Ec. (de Fontenay/Kochav)	Completed
15. Price Index of Distribution Transformers for some selected countries	Ec. (Cilingiroglu)	Completed
16. Mexico - L.C. chart	We.Hem. (Bochenski)	Completed

May 8, 1967

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IHRD bonds
8. Preparation of current data on yields of international government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards
12. Routine updating of historical tables of all countries to 12/31/65

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IHRD and IDA disbursements
2. Maintenance of IHRD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IHRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

GRAPHICS

1. Preparation and maintenance of interest rate charts

cc: Messrs. Stevenson, King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
BOTSWANA - December 31, 1966 (new)		In progress
CAMEROON - December 31, 1966		In progress
EAST AFRICA RAILWAYS & HARBORS - June 30, 1966(new)	Thomas	Completed
EACSO - December 31, 1966 (new)		In progress
ETHIOPIA - December 31, 1966 (new)		In progress
GUINEA - June 30, 1966 (rev.)	Kalmanoff	Completed
LESOTHO - June 30, 1966		In abeyance
MALAGASY - December 31, 1966		Completed
MALAWI - December 31, 1966 (new)	Bruce	Completed
NIGERIA - December 31, 1966		In progress
SOMALIA - December 31, 1966		In progress
SDAN - December 31, 1966		In progress
SEZANIA - December 31, 1966		Completed
<u>ASIA</u>		
INDIA - September 30, 1966		In progress
IRAN - September 30, 1966		In progress
PHILIPPINES - December 31, 1966 (new)		In progress
SINGAPORE - December 31, 1966		Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1966 (new)		In progress
BELGIUM - December 31, 1966		In progress
CYPRUS - December 31, 1966		In progress
DENMARK - December 31, 1966		Completed
FRANCE - June 30, 1966 (new)		In progress
IRELAND - December 31, 1966		In abeyance
IRAQ - December 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
YEMAY - December 31, 1966 (new)		In progress
AIN - June 30, 1966		In progress
UNITED KINGDOM - December 31, 1966		In progress
YUGOSLAVIA - June 30, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1965		In progress
DOMINICAN REPUBLIC - June 30, 1966; Dec. 31, 1966		In progress
EQUADOR - December 31, 1966		Completed
HAITI - Dec. 31, 1963 & 64; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Haijden	In abeyance
HONDURAS - December 31, 1966		In progress
NICARAGUA - June 30, 1966		Completed
PANAMA - June 30, 1966		In progress
PERU - December 31, 1965	Wyse	In progress
URUGUAY - June 30, 1966		In progress

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

Mr. A. M. Kamarek

May 4, 1967

Emanuel Levy

Work Progress Report for the Comparative Country Data Division for  
the Period April 16-30, 1967

Government Sector Expenditures, by Economic Function

1. Work on this project has been provisionally completed and the results submitted to the Investment Planning Division.

GNP Per Capita in U.S. Dollars

2. Work is continuing on the preparation of updated GNP per capita figures in U.S. dollars, for inclusion in a revised edition of the World Bank Atlas.
3. At the present stage, the work is being concentrated mainly on the preparation of revised estimates for 1964. Special efforts are being made to obtain improved estimates for Sino-Soviet countries.
4. The 1965 estimates will be obtained as extrapolations of the revised 1964 estimates, on the basis of the real increase in GNP in each country and the implicit price index for the U.S. gross domestic product.

IDA Briefs

5. Work was continued on the preparation of the second revised draft for the IDA Briefs. This will be completed within a few days and submitted to Mr. Collier for circulation to the Area Departments.

Miscellaneous

6. Regional summary tables on the growth of population, product, investment, foreign trade and national savings were prepared for Mr. Kochav and Mr. Balassa.

ELevy:eb

cc: Messrs. Stevenson  
de Vries  
Collier

*Yellow copy*

Mr. Andrew M. Kamarck

May 2, 1967

Paolo Leon

Progress Report - April 15-30

P. de Fontenay:

- (a) Commented on paper by Bo Karlstroem for Finance and Development;
- (b) drafted memo on U.S. Balance of Payments in 1966;
- (c) worked on Annual Report.

V. Dubey:

Completed revision of paper on Import Substitution.

A. Karaosmanoglu:

Progress Report included with that of Statistics Division.

G. Pfeffermann:


- (a) Sent a memo to Mr. Kalmanoff on the schedule of future debt service payments in 49 LDCs;
- (b) sent two memos to Mr. Kochav on patterns of tied aid and trade (1961-1965);
- (c) looked through Bank country reports on foreign private investment;
- (d) discussed some ideas with Mr. Leon on approaches to absorptive capacity.

B. Rao:

- (a) Provided Mr. Kochav information on earnings from invisibles for a sample of LDCs;
- (b) replied to Mr. Smith of the UN and wrote to Mr. Rutland regarding Bank Group information;
- (c) wrote a memo on Taxing of Imports for Development;
- (d) forwarded to Dr. Balassa a Comparative Statement of Current and Capital Account of LDCs: the data are now being reworked for consistency with net changes in reserves.

P. Leon:

- (a) Reconciliation of IMF and OECD data for Dr. Balassa;
- (b) memorandum on the UNCTAD committee meeting in New York;
- (c) summary of a report by the Italian Treasury on supplementary financial measures;
- (d) letter to Mr. Smith in the United Nations on the draft report of the Expert Group on "Measurement of the Flow of Resources to LDCs";
- (e) attended to sundry matters relating to the Algerian Mission;
- (f) general supervision.

 Cc: Messrs. Stevenson  
Kalmanoff

Mr. Andrew M. Komarek

May 2, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - April 17-28\*

Walstedt:

General Supervision;

Industrial Protection Study:

- Automotive Equipment meetings reviewing draft report;
- Heavy Electrical Equipment - Final Report.

Baranson:

Industrial Protection Study:

- Automotive Industry, completion of final draft and presentation to Study Group;
- Visit to Detroit to collect comparative cost data.

Bhatia:

Industrial Protection Study:

- Revised draft on Pakistan - The Heavy Mechanical Equipment Industry;
  - Attended conferences April 17-19.
- (As of April 30 completed his tour of duty as a Young Professional with the Division).

Cilingiroglu:

Industrial Protection Study:

- Heavy Electrical Equipment, Final Report.

Datas:

Industrial Protection Study:

- Heavy Electrical Equipment, Final Report;
- Financial data for manufacturers of heavy electrical equipment,
- Calculation of comparative prices and protection (Argentina).

IBRD-IDB Protection Project:

- Attended meetings on April 17-18 and prepared memorandum summarizing discussions.

Schrenk:

Industrial Protection Study:

- Structure of the mechanical engineering industry of the U.S.

Guillot:

- Draft Mission Report on Lebanese industry and tourism.

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\* This time I have grouped the activities of the Professional Staff of the Division in two parts: (a) Industrial Protection Study, and (b) Other Activities

May 2, 1967

Lall:

- Review of Economic Report on Hong Kong;
- Editing of memorandum on Protection and Exchange Rate Adjustment in Argentina.

Nowicki:

- Study of Demand for Automobiles;
- Discussing and adjusting Guinea Report.

Villela:

- Summary of Industrialization Problems of Pakistan (Back-to-Office Report) together with proposal for research on industrialization in Pakistan.

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Harahap:

Industrial Protection Study:

- Work on imports and exports of electrical equipment.

May:


Industrial Protection Study:

- Work on imports and exports of electrical equipment.

Turay:

Industrial Protection Study:

- Automotive Industry - individual country studies.

  
H. J. G.

cc: Messrs. Stevenson, de Vries, Collier  
Industrialization Division

Mr. A. M. Kamarch

May 2, 1967

O. Maiss *OM*

Comparative Country Analysis Group - Activities during April 17-30

1. Miscellaneous short-term assignments:

- a) reviewed Hong Kong economic report;
- b) note on terms of lending in Uganda.

2. Research studies:

- a) continued work on capital requirements study;
- b) continued analysis of policy understandings;
- c) proposed study on import behavior.

3. Mission assignments:

- a) Mr. Maiss was working for Uganda Mission.
- b) Mr. Maane was working for Ethiopian Mission.

cc: Messrs. Stevenson  
Collier

OMaiss:cc

Mr. A. M. Kamarek

May 1, 1967

H. G. van der Tak

Principal Activities of Investment Planning Division, April 16-30

de Weille : Commented on road user charges study; prepared memos on the relevant importance of development benefits and on application of systems analysis in Dahomey; started revision of the Iranian road reappraisal study for publication.

Meroz : Commented on road user charges and on the WHO report on proposed water supply data system; prepared and left for mission to Ethiopia and Kenya on urban water supply problems.

Oury : Commented on Reutlinger's paper on treatment of uncertainty in project analysis; continued work on agricultural production models, in particular West Pakistan case study; continued preparatory work for proposed quantitative study of beef production in Argentina; started review of Brazilian coffee supply model for Mr. Macone.

Ray : Continued work on paper on analysis of road transport projects; reviewed Hong Kong country report.

Reutlinger : Commented on road user charges study; continued revision of paper on treatment of uncertainty in project analysis.

Schmedtje : Continued work on revision of paper on public expenditure patterns; miscellaneous memos.

Sharif : Worked on revision of agricultural sector part of Thailand mission report.

Thias : General orientation in work of the division; commented on Blaug's paper on cost-benefit analysis of education projects and considered follow-up.

(Ul Haq) : On temporary secondment; worked on policy performance in Pakistan.

Vergin : Worked on revision of Indus Basin study; left on home leave.

van der Tak : Chaired sub-Committee Meeting on Hong Kong; general supervision.

*van*  
HGvdT:zmc

cc: Mr. A. Stevenson  
Mr. B. B. King

May 1, 1967

Investment Planning Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man months required/ (per author)</u>	<u>Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Comm. draft</u>	<u>Blue cover</u>	<u>Remarks</u>
<u>Research</u>									
1. Optimum Timing of Investments	de Weille	3	-	Nov.15/66	Dec.31/66	Apr/May/67	-	-	Division draft completed and reviewed.
2. Analysis of Road Construction and Maintenance Costs	de Weille) Angeles )	6	-	Jul.20/66	May/67	-	-	-	Intended to be issued shortly as a working paper.
3. Urban Water Supply	(de Wit) Heros	5 6	- -	Jun/65 June/66	Apr.1/66 Feb/67	- -	- -	- -	Preliminary draft (de Wit) completed and reviewed; Division draft on demand aspects being revised.
4. Demand/Cost Structure of the Power Industry	(Nunez)	5	-	Oct.1/65	Suspended	-	-	-	Possible job for consultant being considered.
5. Agricultural Production Models	Oury	6(?)	-	July/66	-	Dec/66- June/67	-	-	First stage only (introduction and Pakistan case study); progress report available; preparatory work on second case study on Argentine beef production started; progress slowed down for lack of research assistants.
6. Uncertainty in Project Analysis	Reutlinger	5	-	Oct/66	March/67	May/67	-	-	Draft study being revised.
7. Problems of Inflation in Project Analysis	Schmedtje	3	-	Jan.20/67	July/67	-	-	-	
8. Public Expenditure Patterns	Sharif (Schmedtje)	9	-	Nov.1/65	Apr.1/66	Aug/66	-	-	Detailed review of draft completed; additional work required; re-draft (Schmedtje) to be ready in June/67.
9. A Note on the Economic Analysis of Road Transport Projects	van der Tak) Ray )	-	-	-	-	-	-	-	Comments received and discussed; additional work required; expected to be completed in May.
10. Cost-Benefit Analysis of Education Projects	Blaug (consultant)	1½	-	Oct/66	-	March/67	-	-	First stage only; draft received and being reviewed; further stages under consideration.
11. Road User Charges	Walters (consultant)	4	-	Sept/66	-	Feb/67	-	-	First draft completed, and circulated end March; comments received.
12. Feeder Road End-Use Study	de Weille ) Reutlinger)	-	-	-	-	-	-	-	To be taken up shortly as Bank/El Salvador relations are reported to have improved.
13. (Policy Performance in Pakistan)	Ul Haq					May/67(?)			Temporary secondment.
<u>Operational</u>									
14. Indus Basin Study	Vergin	12(?)	3	Jul.1/65	-	(?)	-	Apr/June/67	Indus Basin Special Study (headed by Mr. Liefertinck); Vergin with Econ. Dept. since July 1/65; Basin Study started Feb. 1965

Mr. Andrew M. Kamarok

May 1, 1967

H. David Davis

Principal Activities: April 15-30

From April 22 to April 28, I attended the annual conference of the Pacific Area Travel Association (PATA) at Seattle. I am filing a separate memorandum on this meeting.

Prior to this trip, I had continued with the preparation of the East Africa report.

cc: Mr. Sadove

HDD:cjl

Mr. A.M. Kamorck

May 1, 1967

E.K. Hawkins



Work Program of the Institutional and Quantitative Research Group for  
Four-week Period Ending April 30, 1967

- E.K. Hawkins - Further work on capital inflow paper.
- Attendance at United Nations Committee on Development Planning, Santiago, Chile, and visits to Peru and Jamaica.
- A. Elsas - Additional work on paper on Indian planning models.
- Summarizing the indicative world plan for agricultural development - Near East.
- R.J. Niebuhr - Further work on econometric model for Malaysia.
- Reviewed the Malaysian country economic report.
- J.C. Liu - Further work on econometric model for Brazil.
- H.G. Carter - Further work on Uganda report, including work in connection with Uganda Education (Credit No. 101 U.G.).
- Attended Harvard transport group seminar on Colombian model and prepared simplified version of this model for possible use by Institutional and Quantitative Research Division.
- Further work on project proposal (economic country models) and proposal for import study.
- Analysis of Pakistan report for Subcommittee and preparation of model analyzing future prospects of the economy.
- Began further work on a model for Jamaica.
- K. Krishnaswamy - Preliminary work and data collection for consumption/savings study.

EKHawkins/w

cc: Mr. Stevenson

cc: Messrs. de Vries, Elsas, Niebuhr, Liu, Carter and Krishnaswamy

# STATUS OF MAJOR STUDIES

		<u>Estimated dates for the completion of the different stages</u>		
<u>Subject</u>		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsas	<u>Study of Indian Planning Models</u>	Complete	Complete	First draft completed
E.K. Hawkins Consultant- Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	Project temporarily suspended, except for work by consultant scheduled for completion September 1967.	
J.C. Liu	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	First draft for discussion planned for end of May, 1967
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	October 1966 to April 1967	May-June 1967
K. Krishnaswamy	<u>Study of Consumption/Savings Relationships</u>	Complete	April-May 1967	Subject to discussion of results of stage 2.
A. Conrad (consultant)	<u>Capital/Output Ratios Study</u>	January to June 1967	Undetermined at this point	

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models reworked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

\* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. Andrew M. Kamarck

May 1, 1967

George Kalmanoff

Progress Report for Period April 16-30, 1967

Economic report on Guinea - completed revision based on suggestions of Economic Adviser, Africa Department, including shortening of main report; and on revised data on external debt received from Government of Guinea.

UNCTAD - meeting with Sydney Dell, Head, N.Y. Office to discuss future work on finance in light of April 4-19, 1967 meeting of Committee on Invisibles and Financing related to Trade; memo to files on subject.

GK/aa *g.k.*

cc : Mr. Stevenson

Mr. Andrew M. Kamarek

April 24, 1967

Arthur E. Tiemann *act*

Progress Report of Statistical Services Division  
for the period April 1 - 15, 1967

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	<u>2</u>	<u>7(2)</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>10(1)</u>	<u>1</u>	<u>13</u>
Feb. 28, 1967	-	-	1/ <u>1</u>	-	-	-	-	-
Dec. 31, 1966	1	6(2)	-	1	2	6(1)	1	3
Sept. 30, 1966	-	-	-	2	-	-	-	-
June 30, 1966	1	1/ <u>1</u>	1	-	-	3	-	7
Dec. 31, 1965	-	-	-	-	-	1/ <u>1</u>	-	3

Note: Excludes 6 countries in abeyance; ( ) = number of countries started during the period; 1 = revised; 1 = preliminary.

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2.	Uganda and EACSO - preparation of a list of external public debt outstanding as of June 30, 1966 by maturity	Ec. (Maiss)	Completed
3.	Uganda - preparation of Uganda's debt service table for 20 years including 1/3 share on EACSO's debt	Ec. (Maiss)	Completed
4.	Ghana - preparation of memorandum on debt submission	Africa	In progress
5.	Cameroon - preparation of memorandum on debt submission as of 12/31/66	Africa	In progress
6.	Mali - preparation of list of all external public debt	Africa	Completed
7.	India - preparation of tables showing service payments on individual loans from Germany for the period 1967-1968	Asia	In progress
8.	India - special coding for IBRD loans as of 3/31/67	Asia	In progress

WorkRequested byStatus

- |     |   |                       |             |
|-----|---|-----------------------|-------------|
| 9.  | Argentina - preparation of amortization schedule for proposed IERD loan   | W. Hem. (Fajans)      | Completed   |
| 10. | Peru - checking tables of disbursements on external public credits prepared on area department  | W. Hem. (Wyss)        | Completed   |
| 11. | Peru - preparation of tables showing weighted average terms of loans contracted in 1965 and 1966  | W. Hem. (Wyss)        | Completed   |
| 12. | Peru - preparation of memorandum on report of external public debt  | W. Hem. (Wyss)        | In progress |
| 13. | Mexico - check on amounts disbursed and outstanding on several frame agreements   | W. Hem. (Ross)        | Completed   |
| 14. | Brazil - tables on debt to U.S. Government and international organizations as of 12/31/66   | W. Hem. (Villafuerte) | Completed   |
| 15. | Paraguay - preparation of memorandum on submission as of 12/31/66   | W. Hem. (Eory)        | Completed   |
| 16. | Brazil - preparation of debt cards  | W. Hem. ( )           | In progress |
| 17. | Paraguay - posting, coding and preparation of local currency debt tables as of 12/31/66   | W. Hem. (Eory)        | Completed   |
| 18. | Colombia - preparation of table showing loans signed January 1, 1963 - June 30, 1966 and amounts disbursed through June 30, 1966 by purpose           | W. Hem. (Teigeiro)    | In progress |
| 19. | Peru - moderately complicated calculation of maximum new permissible borrowing 1967-1971 and debt service for debts to be contracted in these periods | W. Hem. (Wyss)        | In progress |
| 20. | Trinidad and Tobago - amortization schedule for proposed IERD loan  | W. Hem. (Kuriyama)    | Completed   |
| 21. | Turkey/Greece- checking status of EIB loans   | Europe & M.E. (Rao)   | Completed   |
| 22. | Computation of weighted average terms of external public debt incurred in 1963, 1964 and 1965 for 40 developing countries by debt and by source       | Pres.Off. (Kochav)    | In progress |
| 23. | Developing countries - average term of credit 1963-1965   | Pres.Off. (Kochav)    | In progress |

## B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Simple calculations: IDA refinancing study	Ec. (Hulley)	Completed
3. Moderately complicated calculations: Indus Watercourse Study - calculations of chain averages	Ec. (Oury)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Export-Import trends	Ec. (Singh)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
9. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In progress
10. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress
10-a. Simple regression analysis: Simple correlations between rate of exchange in GNP and rate of exchange in taxes as percent of GNP	Ec. (Pleasant)	Completed

April 24, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated calculations and tabulations: Indus Basin River System Study - calculation of averages of withdrawals of water by canal from several rivers in Pakistan in certain periods	Ec. (Sadove)	Completed
12. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafuerte)	In progress
13. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karacomanoglu)	In progress
14. Simple collection of data: Commodity price calculation for alternative index	Ec. (Singh)	In progress
15. Moderately complicated regression analysis: Plywood consumption in U.S., U.K., etc. related to construction, furniture manufactures etc. - trend and projections	Ec. (Khan)	In progress
16. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
17. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
18. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
19. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return calculations - areas and yield study	Proj. (Wapenhans/Manning)	In progress
20. Routine checking: China Railway Project - checking figures	Proj. (Brechet)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Moderately complicated calculations and regression analysis: Tourism Study - tourists arrivals from 12 developed countries as a function of GNP	Adm. (Pföffermann)	In progress
22. Moderately complicated tabulations: IBRD, IDA and IPC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
23. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S. 1960-66 by states, suppliers, loan no. and goods	Inf. (Moore)	In progress
24. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
25. Moderately complicated data collection and calculations: Gabon - trade statistics - calculation of principals, exports, imports, trading partners	Afr. (Van Nispen)	Completed
26. Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data	Afr. (Booz)	In progress
27. Moderately complex calculations: Moroccan Mission - imports, exports, value and volume projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	In progress
28. Simple data collection: Commodity price collection	Afr. (Bachmann)	Completed
29. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohen)	In progress
30. Moderately complicated regression analysis: Supplementary finance study	Pres.Off. (Sundrum)	In progress
31. Moderately complicated regression analysis: Export fluctuation study	Pres.Off. (Sundrum/Gassner)	In progress
32. Moderately complicated calculations: Debt service ratios for 49 countries	Pres.Off. (Kochav)	In progress

April 24, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
33. Moderately complicated tabulation: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from LA and states along the Mississippi River	Pres.Off.(Rist)	In progress
34. Moderately complicated tabulations: IBRD and IDA (1947 and 1966) industrial commitments, calendar years	We.Hem. (Lenfant)	Completed
35. Simple calculations: Columbia exchange rate conversion	We.Hem. (Reerson)	Completed
36. Moderately complicated checking and tabu- lations: Central American Mission - table of trans- portations and power stations	We.Hem.(Guerra)	Completed

April 24, 1967

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data on the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In abeyance
3. Simple program to calculate special correlations coefficients	Ec. (Gury)	In abeyance
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
5. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Revision of a computer program to calculate Angstrom and de Martonne weather indices	Ec. (Gury)	In progress
7. Moderately complex computer program to reconstruct the IBRD loans punch card file and IBRD loans in the country files	Ec. (Statistics)	Completed
8. Simple computer program to consolidate cotton data	Ec. (Gury)	Completed
9. Run of country model computer program on Uganda data	Ec. (Maiss)	In progress
10. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress

April 24, 1967

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Thailand Electricity Generation and Demand - 2 charts	Proj. (Afrouz)	Completed
2. Singapore - 2 schedules and 1 organization chart	Proj. (Grant)	In progress
3. Mexico - organization chart	Proj. (Passand)	On hand
4. Mexico - Rio Colorado Construction Schedule	Proj. (Kordik)	Completed
5. Ethiopia - Fourth Highway Project Organization Chart	Proj. (Reid)	In progress
6. Sudan - 2 charts - Central Electricity and Water Corporation	Proj. (Huang)	Completed
7. Brazil - Central Bank of Brazil organization chart	Proj. (Eugenio)	Completed
8. India - trace hourly draught chart - Port of Bombay	Proj. (Schminer)	Completed
9. Turkey - 2 debt charts	Europe & M.E. (Wouters)	Completed
10. PIM - Proposed Organization chart	IFC (Morton)	On hand
11. 9 charts on Production and Cost of Transformers in different countries	Ec. (Gilingiroglu)	Completed
12. 7 charts on Debt Service Ratio	Ec. (Pfeffermann)	Completed
13. Chart sketch	Ec. (Kamarok)	Completed
14. Lined 31 IBM run sheets	Ec. (Suto)	Completed
15. Algeria - 7 charts, education	Algerian Mis. (Leon)	In progress
16. Uganda - 1 chart	E.African Mis. (Maiss)	On hand
17. Tanzania - structure of education	E.African Mis. (McLellan)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IBRD bonds
8. Preparation of current data on yields of international government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards
12. Routine updating of historical tables of all countries to 12/31/65

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IBRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

GRAPHICS

1. Preparation and maintenance of interest rate charts.

cc: Messrs. de Vries, King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CAMEROON - December 31, 1966	Kalmanoff	In progress
GABON - December 31, 1966		Completed
GUINEA - June 30, 1966 (rev.)		In progress
LESOTHO - June 30, 1966		In abeyance
MALAGASY - December 31, 1966		In progress
NIGERIA - December 31, 1966 (new)		In progress
RHODESIA - June 30, 1966		Completed
SOMALIA - December 31, 1966		In progress
SUDAN - December 31, 1966 (new)		In progress
TANZANIA - December 31, 1966		In progress
<u>ASIA</u>		
CEYLON - June 30, 1966; Feb. 28, 1967 (prelim.)	Perkins	Completed
INDIA - September 30, 1966		In progress
SIAM - September 30, 1966		In progress
SINGAPORE - December 31, 1966 (new)		In progress
<u>EUROPE-MIDDLE EAST</u>		
BELGIUM - December 31, 1966		In progress
CYPRUS - December 31, 1966 (new)		In progress
DENMARK - December 31, 1966		In progress
IRELAND - December 31, 1966		In progress
IRAQ - Dec. 31, 1965 (rev.); Dec. 31, 1966; June 30, 1966		In progress
LEBANON - December 31, 1966		Completed
LUXEMBOURG - December 31, 1966		Completed
SPAIN - June 30, 1966		In abeyance
TURKEY - June 30, 1966		In progress
UNITED KINGDOM - December 31, 1966		In progress
YUGOSLAVIA - June 30, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966	van der Heijden	In progress
BOLIVIA - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1965		In progress
DOMINICAN REPUBLIC - June 30, 1966; Dec. 31, 1966		In progress
ECUADOR - December 31, 1966		In progress
HAITI - Dec. 31, 1963 & 1964; June 30, 1965		In abeyance
June 30, 1966; Dec. 31, 1966		In progress
NICARAGUA - June 30, 1966		In progress
PANAMA - June 30, 1966		In progress
PARAGUAY - December 31, 1966		Completed
PERU - December 31, 1965		In progress
URUGUAY - June 30, 1966		In progress

Statistical Services Division  
Economics Department  
April 24, 1967

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice Study:

Trend and projections on rice, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

Mr. Andrew M. Kamarek

April 21, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - April 1-14, 1967

Walstedt: General Supervision;  
Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report;  
- Heavy Electrical Equipment, editing Final Report.

Baranson: Attending Quantitative Techniques Course, April 3-7;  
Industrial Protection Study:  
- Automotive Industry, Revisions on Final Report.

Bhatia: Industrial Protection Study:  
- Heavy Mechanical Equipment Industry in Pakistan, revision.

Gilingiroglu: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report.

Datas: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report: Chapter on International Structure of the Heavy Electrical Equipment Industry.

Guillot: On IFC Mission to Lebanon.

Lall: Reported to duty April 3.

Nowicki: Reported to duty April 10;  
Study of Demand for Automobiles  
Discussing and adjusting Guinea Report.

Schrenk: Industrial Protection Study:  
- Heavy Mechanical Equipment: Questionnaires on railway cars and diesel locomotives;  
- Heavy Mechanical Equipment: Structure of industry in the United States.

Villela: Report on Industry and Power in Pakistan.

Harahap: Industrial Protection Study:  
- Production and trade figures for heavy electrical equipment in 18 countries.

May:

Industrial Protection Study:

- Production and trade figures for heavy electrical equipment in 18 countries.

Turnay:

Industrial Protection Study:

- Automotive Industry - individual country studies.

cc: Messrs. de Vries, King/Sacchetti, Collier/Sadove;  
and Industrialization Division

*W*  
W:nhbb

Mr. A. M. Kassarck

April 21, 1967

Emanuel Levy

Work Progress Report for the Comparative Country Data Division for  
the Period April 1-15, 1967

Government Sector Expenditures, by Economic Function

1. Work was continued on the analysis of government expenditures by economic function in developing countries. Work was temporarily suspended on this project on April 12 in order to meet urgent ad hoc requests for data.

GNP Per Capita and GNP Growth Rates in Developing Countries

2. Regional summaries of GNP per capita in U.S. dollars and GNP annual average growth rates were prepared for Mr. Balassa.

IDA Briefs

3. Work was continued on preparing a second revised draft for the IDA Briefs. It is hoped to have this completed within the next few days.

IBRD Bank Atlas

4. A request was received from Mr. Lind of the Information Department for updated GNP per capita figures in U.S. dollars, for inclusion in a revised edition of the World Bank Atlas. This request emanates from Mr. Woods.
5. Mr. Novak, who joined the Division on April 10, is now working on this project.

cc: Messrs. de Vries  
J. H. Collier

ELevy:eb

Mr. A. M. Kamarch

April 17, 1967

H. G. van der Tak

Principal Activities of Investment Planning Division, April 1-16

- de Weille : Wrote memos on evaluation of sector planning course at Pittsburgh, systems analysis and transport planning, and Mr. Reutlinger's paper on uncertainty in project analysis; commented on Mr. Eklund's paper on earmarking; reviewed Mr. Walters' study on road user charges and Mr. Adler's paper on transport planning.
- Meroz : Reviewed studies by Reutlinger and Walters, and the WHO report on proposed water supply data system.
- Oury : Continued work on agricultural production models, in particular, development and testing of all-purpose computer program for the calculation of aridity indexes, and the West Pakistan case study; continued preliminary search for documentation in preparation for a proposed quantitative study of beef production in Argentina; reviewed studies by Walters and Reutlinger and the Brazil livestock development project report.
- Ray : Worked with van der Tak on expansion of paper on analysis of road transport projects.
- Reutlinger : Participated in course on quantitative techniques; reviewed Walters' study; started revision of paper on uncertainty in project analysis.
- Schmedtje : Continued work on the revision of draft paper on public expenditure patterns; miscellaneous reviews and comments, including draft by Blaug on cost-benefit analysis of education projects.
- Sharif : Continued work on mission report on agriculture and transport in Thailand.
- Thias : Joined the Department on April 17.
- (Ul Haq) : On temporary secondment; worked on policy performance in Pakistan.
- Vergin : On mission to Pakistan for Indus Basin study.
- van der Tak : Participated in course on quantitative techniques; general supervision.

HGvdT:zmc

cc: Mr. B. A. den Vries  
Mr. B. B. King

Mr. Andrew M. Kamarok

April 17, 1967

H. David Davis

Principal Activities: April 1-15

During the period, I spent five days at the UNCTAD meetings in New York following the sub-committee considering tourism. I have filed a separate memorandum on this.

Otherwise, I continued with revisions of various sections of the East Africa report.

HDD:cjl

Mr. A. M. Kamarek

April 17, 1967

O. Maiss

Comparative Country Analysis Group - Activities during April 1-16

1. Miscellaneous short-term assignments:

- a) worked on comparative country data on Resources Gap as percentage of GDP and Investments;
- b) comments on Pakistan economic report.

2. Research studies:

- a) revised tables relating to capital requirements study;
- b) revised policy understanding paper.

3. Mission assignments:

- a) Mr. Maiss was working for Uganda Mission.
- b) Mr. Maiss was working for Ethiopian Mission.

Mr. Nowicki left the Group on April 10. Mr. Peter Streng joined the Group on April 6.

cc: Messrs. de Vries  
Collier

OMaiss:cc

Mr. Andrew M. Kanarck

April 17, 1967

Stanley Please

Report on the activities of the Domestic Development Finance  
Division -- April 3 to April 14, 1967

1. Research Mission to Brazil

Messrs. Holsen, Christoffersen, Comiez and Sciolti have been preparing their contribution for the report of the general economic mission headed by Mr. Avramovic. It is expected that this will be completed by the end of April and that the report of the research mission will be completed by the latter half of June.

2. Country Economic Mission

Mr. Churchill has been completing his revision of the public finance section of the report of the economic mission to Colombia.

3. Other Division Activities

Mr. Beier has been undertaking a detailed criticism of the report on the "Economics of Road User Charges" prepared by Professor Walters.

Mr. Eklund (Young Professional) has continued his study of earmarking of public revenues.

Mr. Please in addition to general supervision prepared a brief statement on the savings experience of developing countries for Mr. Harold Graves.

SPlease/10

cc: Messrs. de Vries and Collier

Mr. Andrew M. Kamarck

April 17, 1967

George Kalmanoff

Progress Report for Period April 1-15, 1967

Economic report on Guinea - completed and delivered draft to Africa Department; discussed draft with Economic Adviser, Africa Department; draft now being revised in the light of this discussion and to take into account revised data on external debt just received from Government of Guinea.

Memo on Bank documentation for UNCTAD II, Feb. - March 1968.

Memo on study of investment incentives for foreign capital in developing countries.

GK/aa

gs. K.

Mr. Andrew M. Kamarok

April 7, 1967

Arthur E. Tiemann

Progress Report of Statistical Services Division  
for the period March 16 - 31, 1967.

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	2	6(1)	2	3(1)	1	12(5)	4	14(2)
Dec. 31, 1966	1	4(1)	2	-	-	7(4)	-	4(2)
Sept. 30, 1966	-	-	-	2	-	-	-	-
June 30, 1966	1	2	-	1(1)	1	4(1)	4	7
Dec. 31, 1965	-	-	-	-	-	1(1)	-	3

Note: Excludes 6 countries in abeyance; ( ) = number of countries started during the period; 1 = revised.

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2.	India - preparation of moderately complex tables showing effects of refinancing debt service under various schemes	Ec. (King)	Completed
3.	Preparation of list of all external public and private debt	Africa	Completed
4.	Malawi - preliminary examination of external public debt report as of Dec. 31, 1966	Afr. (Bruce)	Completed
5.	Ghana - preparation of memorandum on debt submission	Africa	In progress
6.	Cameroon - preparation of memorandum on debt submission as of 12/31/66	Africa	In progress
7.	Malagasy - preparation of amortization schedule for proposed IERD loan	Africa	Completed
8.	Mali - preparation of memorandum on debt submission as of 6/30/66	Africa	Completed
9.	Pakistan - preparation of amortization schedule for an IERD loan	Asia (Kraske)	Completed

April 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. China - preparation of memorandum on submission as of 12/31/66	Asia	Completed
11. Thailand - reconciliation of external public debt information from the Bank of Thailand with IBRD debt tables	Asia (Foster)	Completed
12. India - calculation of external debt service payments for hypothetical loans	Asia (Karaosmanoglu)	Completed
13. India - updating debt tables for report to Consortium on debt relief and terms of aid	Asia (Netaw)	Completed
14. Pakistan - updating debt tables as of June 30, 1966	Asia (Abadian)	Completed
15. Peru - preparation of table on privately-placed debt showing debt by maturity and creditor country as of June 30, 1966	W.Hem. (Wyss)	Completed
16. Peru - preparation of table showing debt service ratios from 1968-1977 under different levels of new borrowing	W.Hem. (Wyss)	Completed
17. Peru - preparation of debt tables showing Government guaranteed private debt as of 6/30/66 - Foreign and Local Currency	W. Hem.	Completed
18. Peru - preparation of debt tables showing debt of the Public Sector as of 6/30/66 - Foreign and Local Currency	W. Hem.	Completed
19. Peru - preparation of debt tables showing debt by maturity of the Central Government, Independent Public Sector, Public Sector, and Government guaranteed Private debt as of 6/30/66 - Foreign and Local Currency	W. Hem.	Completed
20. Brazil - tables on debt to U.S. Government and international organizations as of 12/31/66	W.Hem. (Villafuerte)	In progress
21. Costa Rica - routine review of additional information received on external debt outstanding as of June 30, 1966	W. Hem.	Completed
22. Brazil - preparation of debt cards	W. Hem.	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
23. Paraguay - posting, coding and preparation of local currency debt tables as of 12/31/66	W.Hem. (Eory)	In progress
24. Colombia - investigation into feasibility of updating special table showing project loans approved Jan. 1, 1963 - Sept. 30, 1965	W. Hem.	In progress
25. Peru - moderately complicated calculation of maximum new permissible borrowing 1967-1971 and debt service for debts to be contracted in these periods	W.Hem. (Wyss)	Completed
26. Honduras - 2 amortization schedules of proposed IBRD loans	W. Hem.	Completed
27. Yugoslavia - 9 amortization schedules of proposed IBRD loans	IFC (Hoffman)	Completed
28. Portugal - special debt table	Europe & M.E.(Wahl)	Completed
29. Turkey - debt service ratio computations	Europe & M.E.(Wouters)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	Completed
3. Simple calculations: Jute production - correlation between area and yield	Ec. (Varon)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detail historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Import substitution study	Ec. (Gilingiroglu)	Completed
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
9. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In progress
10. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress

April 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated data search and calculations: Brazil Mission - consumption functions, import functions etc.	Ec. (Villafuerte)	In progress
12. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karaosmanoglu)	In progress
13. Moderately complicated calculations and tabulations: Brazil Mission - Balance Sheet and Profit and Loss accounts, data, computations and significant ratios from 118 firms	Ec. (Delaplaine)	Completed
14. Moderately complicated regression analysis: Plywood consumption in U.S., U.K., etc. related to construction, furniture manufacturers etc. - trend and projections	Ec. (Khan)	In progress
15. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
16. Simple computations: Mexico traffic projections	Proj. (Mendoza)	Completed
17. Simple checking: Spain - checking financial reports	Proj. (McGunniff)	Completed
18. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guacui-La-Paz	Proj. (Sander)	On hand
19. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
20. Moderately complicated calculations: Indus Basin study - various calculations for cost benefit figures and rate of return calculations - areas and yield study	Proj. (Wapenhans/Manning)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Routine checking: Portugal - checking economic report	Europe & M.E.(Wahl)	Completed
22. Simple calculations: West Malaysia - area yield and production conversion	EDI (Gittinger)	Completed
23. Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
24. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S. 1960-66 by states, suppliers, loan no. and goods	Inf. (Noone)	In progress
25. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
26. Moderately complicated tabulations: World Bank groups - financing of industry	Inf. (Clements)	Completed
27. Moderately complicated collection and calculations: Gabon - trade statistics - calculation of principals, exports, imports, trading partners	Afr. (Van Nissem)	In progress
28. Moderately complex tabulations: Quad Economic Mission - collection and tabulations of budget data	Afr. (Boos)	In progress
29. Moderately complex calculations: Moroccan Mission - imports, exports, value and volume projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	In progress
30. Moderately complicated tabulation: Republic of Central African Mission - trade statistics, collection of data and tabulation	Afr. (Boos)	Completed
31. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress

April 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
32. Moderately complicated regression analysis: Supplementary finance study	Pres.Off. (Sundrum)	In progress
33. Moderately complicated regression analysis: Export fluctuation study	Pres.Off.(Sundrum/Gassner)	In progress
34. Moderately complicated tabulation: Disbursements in Louisiana and amount of bank financed freight shipped through Port of New Orleans from LA and states along the Mississippi River	Pres.Off. (Rist)	In progress

April 7, 1967

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In abeyance
3. Simple program to calculate special correlations coefficients	Ec. (Gury)	In abeyance
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
5. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Revision of a computer program to calculate Angstrom and de Martonne weather indices	Ec. (Gury)	In progress
7. Moderately complex computer program to reconstruct the IBRD loans punch card file and IBRD loans in the country files	Ec. (Statistics)	In progress

April 7, 1967

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 1 chart - World Potash Consumption	IPC (Williamson)	Completed
2. Thailand Electricity Generation and Demand - 2 charts	Proj. (Affenz)	In progress
3. Brazil Livestock Project - one organization chart	Proj. (Eugenio)	Completed
4. Ghana - Highway study, staffing schedule	Proj. (Engelmann)	Completed
5. India - Bombay Metropolitan Water Supply - Demand forecast and implementation of expansion projects	Proj. (Krombach)	Completed
6. Thailand - Phasom Dam Project - proposed construction schedule	Proj. (Golan)	Completed
7. Singapore - Public Utilities Board - trends of water production and sales	Proj. (Callejas)	Completed
8. 1 chart - consulting assignments (10 countries)	Proj. (Vogel)	Completed
9. Thailand - construction schedule	Proj. (Golan)	Completed
10. Uganda - revision of 4 educational charts	Proj. (Hultin)	Completed
11. Nicaragua - revision of 5 educational charts	Proj. (Van Dijk)	Completed
12. Brazil - Central Bank of Brazil organization chart	Proj. (Eugenio)	On hand
13. India - trace hourly draught chart - Port of Bombay	Proj. (Scheiner)	On hand
14. Brazil - 3 charts - Wholesale Price Indices	Ec. (Lari)	Completed
15. 3 charts for economic study	Ec. (Cilingiroglu)	In progress
16. Ecuador - revision of organization chart	Legal (Asante)	Completed
17. Algeria - 7 charts, educational	Algerian Mis. (Leon)	In progress
18. Uganda - revision of 1 educational chart and 2 new charts (pyramid and diagram)	E.African Mis. (McLellan)	Completed

April 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. The Steel Industry - flowchart of materials and products at stages	Peru Mis. (Sreedhar)	Completed
20. Tanzania - structure of education	E.African Mis.(McLellan)	In progress
21. China - General construction schedule	Asia (Baig)	Completed
22. Pakistan - external public debt service projections	Asia (Abadian)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards
12. Routine updating of historical tables of all countries to 12/31/65

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

/ms

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
	<u>AFRICA</u>	
CAMEROON - December 31, 1966		In progress
GABON - December 31, 1966		In progress
LESOTHO - June 30, 1966		In abeyance
MALAGASY - December 31, 1966 (new)		In progress
MALI - June 30, 1966		Completed
RHODESIA - June 30, 1966		In progress
SIERRA LEONE - December 31, 1966	Ram	Completed
SOMALIA - June 30, 1966		In progress
TANZANIA - December 31, 1966		In progress
	<u>ASIA</u>	
CEYLON - June 30, 1966 (new)		In progress
CHINA - December 31, 1966		Completed
INDIA - Sept. 30, 1966		In progress
IRAN - Sept. 30, 1966		In progress
N. Z. ZEALAND - December 31, 1966		Completed
	<u>EUROPE-MIDDLE EAST</u>	
BELGIUM - December 31, 1966 (new)		In progress
DENMARK - December 31, 1966 (new)		In progress
GREECE - June 30, 1966		Completed
ICELAND - December 31, 1966		In progress
IRAQ - Dec. 31, 1965(rev.); Dec. 31, 1966(new); June 30, 1966(new)		In progress
LEBANON - December 31, 1966 (new)		In progress
LUXEMBOURG - June 30, 1966; Dec. 31, 1966		In progress
SPAIN - June 30, 1966	In	In progress
TURKEY - June 30, 1966		In abeyance
UNITED KINGDOM - June 30, 1966; December 31, 1966		In abeyance In progress
YUGOSLAVIA - June 30, 1966		In progress
	<u>WESTERN HEMISPHERE</u>	
ARGENTINA - June 30, 1966		In progress
CHILE - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1965; June 30, 1966		In progress Completed
ECUADOR - June 30, 1966; Dec. 31, 1966	Teigeiro	Completed In progress
DOMINICAN REPUBLIC - June 30, 1966; Dec. 31, 1966(new)		In progress
EL SALVADOR - June 30, 1966		Completed
HAITI - Dec. 31, 1963 & 1964; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Heijden	In abeyance In progress
MEXICO - June 30, 1966		Completed
NICARAGUA - June 30, 1966		In progress
PANAMA - June 30, 1966	Ross	In progress
PARAGUAY - December 31, 1966(new)	Eory	In progress
PERU - Dec. 31, 1965	Wyss	In progress
URUGUAY - June 30, 1966		In progress

Statistical Services Division  
IBRD-Economics Department  
April 7, 1967

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 26 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

Mr. A. M. Kassarck

April 4, 1967

Emmanuel Levy

Work Progress Report for the Comparative Country Data Division for  
the Period March 16-31, 1967

IDA Replenishment

1. A revised set of tables relating to IDA replenishment was completed. In Mr. Friedman's absence, the tables were submitted, via Mr. Hulley, to Mr. Knapp.

Government Sector Expenditures, by Economic Function

2. Work was continued on the analysis of government expenditure by economic function in developing countries. Basic data and information have been collected and analyzed for some 30 countries.
3. The bulk of the requisite information is being pieced together from the relevant IBRD country reports. Data for a number of Latin American countries have been obtained from AID (Form 10-74).
4. Miss Vial visited the Fiscal Division of the United Nations in New York for discussions in this connection. It transpires that little information of use is available directly from this source. Advice was obtained, however, on possible alternative sources.

Miscellaneous

5. Tables and graphs were prepared detailing the overall rates of growth of GDP and investment in developing countries. The tables and graphs were prepared in response to an urgent request from Mr. Friedman. Implementation proved to be rather time-consuming, owing to the weighting problems involved.

cc: Messrs. de Vries  
King

ELevy:eb

Mr. A. M. Kamarck

April 4, 1967

J. H. Collier

Report on Activities - March 16 to 31

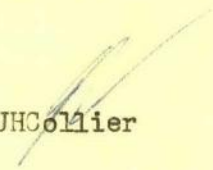
Only one new theme arose during this period. Mr. Williams has a small group investigating the situation regarding the circulation of documents. Its first meeting was concerned with finding the facts on how the present system operates and why.

The next meeting of the Working Group on the Coffee Diversification and Development Fund will take place in London on May 8 - 12 and I shall go along.

The Harmonization of Terms paper is about to go to the Economics Committee.

One meeting of Mr. Cope's local expenditure <sup>group</sup> took place as a result of which some more data is being collected.

The Asian Department has sent a proposal to Mr. Hoffman on what GATT might do about exports from Korea.

  
JHCollier

Mr. Andrew M. Kamarck

April 3, 1967

Paolo Leon

Progress Report - March 16 - 31

P. de Fontenay:

- (a) Work on Annual Report;
- (b) Attended meeting of UNCTAD's Expert Group on International Monetary Issues in New York, March 27-29, and drafted memo on proceedings.

V. Dubey:

- (a) Bibliography of Private Foreign Investment for Mr. Kalmanoff;
- (b) Revision of paper on Import Substitution after Mr. Leon's comments.

A. Karaosmanoglu:

Progress Report included with that of Statistics Division.

G. Pfeffermann:

- (a) Attended Bank's Orientation Seminar for new staff and Young Professionals from March 19 through 29;
- (b) Work on the final version of the updated debt rescheduling study.

B. Rao:

- (a) Prepared notes on aid policies and the aid administrative machinery in 8 donor countries for Mr. Friedman;
- (b) Completed collation of current and capital account of LDCs for which IMF balance of payments figures are available;
- (c) Spent considerable time in trying to unravel the transactions of Metropolitan France with the Rest of the Franc Zone; results are not satisfactory;
- (d) Processed data on multilateral assistance; IDB figures being unintelligible requested Mr. Fernandez of IDB for enlightenment; answer awaited;
- (e) Spoke to Mr. Reginald Smith of UN regarding data for UN agencies; reply received along with a request that we supply them with similar information on the Bank Group; wrote memo on request stating present position regarding release of information to outside agencies;
- (f) Taken in hand updating of "invisibles" paper;
- (g) Met with Mr. Kochav on possible information for Bank Annual Report.

Mr. Andrew M. Kamarck

-2-

April 3, 1967

P. Leon:

- (a) Meeting and memorandum for capital requirements study;
- (b) Memorandum on measurement of aid flows;
- (c) Memorandum on private foreign investment;
- (d) Meeting on Annual Report with Mr. Kochav;
- (e) Letter to the Director, Statistics Division, OIM, U.K. (with Mr. Rao);
- (f) Memorandum on 4 countries' current account deficit;
- (g) Collection of informational material on U.S. assistance to U.S. exporters for Sen. Fulbright;
- (h) Memorandum on IDA country briefs;
- (i) Review of Prof. Stolper's book;
- (j) Memorandum on geographical breakdown of assistance from 8 major donors for Mr. Friedman.

 PB:jg

cc: Mr. de Vries  
Mr. Kalmanoff

Mr. Andrew M. Kamarck

4 April 3, 1967

Stanley Please

Report on the activities of the Domestic Development Finance  
Division -- March 17 to March 31, 1967

1. Research Mission to Brazil

Messrs. Holsen, Christoffersen, Comiez and Sciulli have been preparing their contribution to the report of the general economic mission headed by Mr. Avramovic. This partly overlaps with the work they are undertaking in relation to the research mission report.

2. Country Economic Missions

Mr. Beir has been completing his contribution to the report of the economic mission to Pakistan. H

Mr. Churchill has continued with his revision of the public finance section of the report of the economic mission to Colombia.

3. Research Study

Mr. Eklund (Young Professional) has been discussing the criticisms made of his draft study on the earmarking of public revenues to highway expenditure and undertaking preparatory work for an extension of the earmarking study.

4. A progress report on the research studies being undertaken in the Division as of April 1, 1967, is attached.

cc: Messrs. de Vries and Collie~

April 1, 1967

Domestic Development Finance Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man-months required (per author)</u>	<u>Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Comm. draft</u>	<u>Blue cover</u>	<u>Remarks</u>
Development Finance Problems of Brazil	(Holsen (Christoffersen (Comiez (Scioli	10 10 10 10	3 3 3 3	15 Aug 66) 1 Aug 66) 1 Aug 66) 1 Aug 66)	31 May, 67	30 June 67	-	-	Draft Report of Research Mission delayed due to extensive demands made upon its members by the general economic mission to Brazil.
Earmarking of Reve- nues for Highway Purposes	Eklund (Y.P.)	3	None	1 Jan 67	1 March 67	24 March 67	-	-	First draft completed.
Extension of Ear- marking study	Eklund (Y.P.)	3	None	1 Apr 67	mid-June	30 June 67	-	-	Terms of reference for the extension of the earmark- ing study are at present under discussion.

Mr. A. M. Kamarck

April 1, 1966

E. K. Hawkins *EKH*

Work of the Basic Research Group during two-week period ending April 1

1. E. K. Hawkins - A. Consideration of comments on draft economic report on Ecuador. Further discussions with the Western Hemisphere Department, IMF, and attendance at special inter-agency meeting on current economic and political crisis in Ecuador. Drafting of proposed policy memorandum on Ecuador for Economic Committee and revision of economic report on Ecuador for distribution to Executive Directors.  
B. Participation in discussions within the Economics Department on Capital Requirements.  
C. Further work on draft memorandum on work program in quantitative economics.
2. A. Elsaas - Returned to the Bank from Mission to India and United Arab Republic. Completion of back to office report and commencement of work on mission reports.
3. R. J. Niebuhr - Returned to the Bank after Mission to Pakistan. Begun work on mission report.

4. Major Studies

No major studies have yet been initiated but a preliminary consideration was given to the question of models for financial and monetary sectors. Discussions were also held on model building with the consultants retained by A. D. Little Incorporated (See memorandum to files by R. J. Niebuhr of March 31, 1966).

E. K. Hawkins:bso

cc. Mr. B. A. de Vries

Mr. A.M. Kamarck

March 31, 1967

E.K. Hawkins

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending March 31, 1967

- E.K. Hawkins - Further work on capital inflow paper  
subsequent to review within the Department.  
Review of Division research projects.
- A. Elsas - Completed draft of paper on Indian planning model.  
Completed attendance at Spanish language course.
- R.J. Niebuhr - Further work on econometric model for Malaysia.  
Comments on the Nugent model for Argentina  
Comments on earmarking of highway taxes study
- J.C. Liu - Further work on econometric model for Brazil.
- N.G. Carter - Completed work on draft economic report on  
Uganda.  
Prepared draft proposed research project for  
discussion.
- K. Krishnaswamy - Preparation and discussions on further work in  
the field of consumption and savings in the form  
of preparation of a research project.

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu, Carter and Krishnaswamy

# STATUS OF MAJOR STUDIES

## Estimated dates for the completion of the different stages

<u>Subject</u>		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsaas	<u>Study of Indian Planning Models</u>	Complete	Complete	First draft completed
E.K. Hawkins Consultant - Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	Project temporarily suspended, except for work by consultants scheduled for completion September 1967.	
J.C. Liu	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	First draft for discussion planned for end of May, 1967.
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	October 1966 to May 1967	April - June 1967. Discussion of results of stage 2.
K. Krishnamurty	<u>Study of Consumption/Savings Relationships</u>	Complete	Apr. - May 1967	Subject to discussion of results of stage 2.
A. Conrad (consultant)	<u>Capital/Output Ratios Study</u>	January to June 1967	Undetermined at this point	

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models reworked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

\* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. Andrew M. Kamarek

March 31, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - March 16-31, 1967

Walstedt: General Supervision;  
Progress Report on Major Studies and Missions;  
Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report;  
- Heavy Electrical Equipment, editing Final Report.

Baranson: Industrial Protection Study:  
- Automotive Industry, Final Report, first draft submitted.

Bhatia: Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report;  
- Heavy Mechanical Equipment Industry in India, draft submitted.

Cilingiroglu: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report.

Datas: Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report, appendix on Argentina;  
- Heavy Electrical Equipment, Final Report, international structure of the heavy electrical equipment industry.

Guillot: Summary of "Industry" for Ethiopian Report;  
Reviewing material from ECLA re: Small-Scale Industries in Latin America;  
Note on African Sub-regions, according to ECA;  
Left March 25 on IFC Mission to Lebanon.

Schrenk: Industrial Protection Study:  
- Heavy Mechanical Equipment: Questionnaires on prices;  
- International structure of the heavy mechanical equipment industry.

Villela: Lecture to EHI, Spanish Course, on "Instruments of Industrial Policy";  
Report on Industry and Power in Pakistan.

Harahap: Industrial Protection Study:  
- Production and trade figures for heavy electrical equipment in Argentina, Austria, Brazil, Germany, Spain, Sweden and the United States.

March 31, 1967

May: Industrial Protection Study:  
- Production and import figures on heavy mechanical equipment.

Turay:           Assisting Mr. Villela on Pakistan Report;  
                    Industrial Protection Study:  
                    - Preparing tables on Automotive Industry.

cc: Messrs. de Vries, King/Sacchetti, Sadove;  
and Industrialization Division

EW: hbb

Mr. Andrew M. Kamarek

March 31, 1967

H. David Davis

Principal Activities, March 16-31

I continue to be primarily concerned with the preparation of the East Africa report. During the period, I completed work on the Kenya and Tanzania Agricultural Annexes. I also made a number of editorial revisions to the general economic volumes on Kenya and Tanzania. Finally, I completed an intensive revision of the Kenya Transport Annex.

I also found some time during the period to continue initial contacts in connection with a future work program on the tourism sector.

cc: Mr. Sadove  
RDB:cjl

Mr. A. M. Kamarck

March 15, 1966

E. K. Hawkins *EKH*

Work of the Basic Research Group during two-week period ending March 15.

1. E. K. Hawkins - A. Preparation of draft Economic Report on Ecuador for distribution to the Economics Committee. (Distributed on March 4)

Discussions with the IMF on Ecuadorian budget situation.

Attendance at special CIAP meeting on Ecuador.

Discussions with the Western Hemisphere Department on current economic difficulties in Ecuador and possible Bank action.

- B. Participation in discussions on Capital Requirements with the African Department, and the Western Hemisphere Department.

- C. Investigations in connection with the work program for the Basic Research Group, including examination of models prepared for Mexico, Uganda, Nigeria, Peru, and Israel.

Preparation of draft memo on work program for the Group.

2. A. Elsaas - Participating in the Bell Mission to India after completion of work in the field with the Mission to the United Arab Republic.
3. R. J. Niebuhr - On mission to Pakistan.

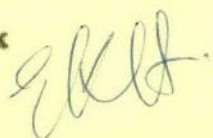
EKHawkins:bso

cc. Mr. B. A. de Vries

Mr. A. M. Kamarck

March 4, 1966

E. K. Hawkins



Work of the Basic Research Group week ending March 4

1. E. K. Hawkins - A. Preparation of draft Economic Report on Ecuador for distribution to the Economics Committee. (Distributed on March 4)

Discussions with IMF on Ecuadorian budget situation.

Attendance at special CIAP meeting on Ecuador.

- 
- B. Participation in discussions on Capital Requirements with the African Department.

- 
- 
- C. Investigations in connection with the work program for the Basic Research Group, including examination of work done on Mexico and Uganda.

- 
2. A. Elsaas - Left the Mission in the United Arab Republic in order to join the Bell Mission in New Delhi.

- 
- 
3. R. J. Niebuhr - On mission to Pakistan.

E. K. Hawkins: bso

cc. Mr. B. A. de Vries

Mr. Andrew M. Kamarok

March 2, 1967

Arthur E. Niemann *awj*

Progress Report of Statistical Services Division  
for the period February 16 - 28, 1967.

A. EXTERNAL DEBT

## 1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E.M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	<u>4</u>	<u>5(1)</u>	-	<u>3(2)</u>	<u>2</u>	<u>6</u>	<u>1</u>	<u>13(4)</u>
Dec. 31, 1966	1	2(1)	-	2(2)	-	2	-	1
Sept. 30, 1966	-	-	-	1	-	-	-	-
June 30, 1966	<u>3/1</u>	3	-	-	1	4	1	10(3)
Dec. 31, 1965	-	-	-	-	1	-	-	2(1)

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during period; 1 = includes 1 revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. Preparation of hypothetical schedules for programme testing	Economics	Completed
4. Estimates of debt outstanding as of 12/31/65 and service payments in 1965 for 50 countries for use in suppliers' credits study	Economics	Completed
5. Lending organizations - small research project	Economics	Completed
6. Tunisia - preparation of tables of weighted average terms for debt contracted 1-30-66 to 9-30-66	Africa	Completed
7. Tunisia - preparation of lists of debt outstanding as of 9-30-66 for use of Consultative Group	Africa	In progress
8. Congo Kinshasa - preparation of memorandum on submission as of 12/31/66	Africa	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Somalia - routine preparation of memorandum on debt report as of 6/30/66	Afr. (Khandker)	Completed
10. Ethiopia - examination of debt data as of June 30, 1966 submitted by Ethiopia	Africa	Completed
11. Malaysia - preparation of amortization schedule for proposed IBRD loan	Asia (Asanuma)	Completed
12. Israel - preparation of amortization schedule for proposed IBRD loan	Europe-M.E. (Low)	Completed
13. Brazil - preparation of routine amortization schedule of proposed IBRD loan	W. Hem. (Picciotto)	Completed
14. Peru - special table of IDB loans	W. Hem.	Completed
15. Peru - preparation of tables showing estimates of External Debt outstanding as of June 30, 1966 and service payments 1966-70	W. Hem. (Wyss)	Completed
16. Peru - table of weighted averages	W. Hem.	Completed
17. Brazil - tables on debt to U.S. Government and international organizations as of 12/31/66	W.Hem. (Villafuerte)	In progress
18. Brazil - checking EXIM bank loan	W. Hem.	Completed
19. Peru - preparation of list of debts contracted July 1, 1965 to Jan. 31, 1967	W. Hem. (Wright)	Completed
20. Paraguay - routine examination of partial debt submission as of 12/31/66	W. Hem.	Completed

**B. GENERAL STATISTICS**

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Simple calculations: India - debt service calculations at different rates from formula	Ec. (King)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of a trend 1965-75	Ec. (Oury)	In progress
8. Moderately complicated regression analysis: Import substitution study	Ec. (Cilingiroglu)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
10. Moderately complicated consolidation of data: Regrouping of import data for 1965 - imports of developed countries by a large no. of commodity divisions, groups and subgroups	Ec. (Balassa)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In progress
12. Simple regression analysis: Tourism - expenditure of tourists related to income for five countries, 1950-64	Ec. (Leon & Pfeffermann)	Completed
13. Simple regression analysis: Capital output ratio study - regression within various variables	Ec. (Carter)	In progress
14. Moderately complicated regression analysis: Fitting of a trend and projections up to 1975 of cattle prices in five countries	Ec. (Els)	In progress
15. Moderately complex data collection and tabulation: Heavy electrical equipment export, import and production in detail for 16 countries for a recent year	Ec. (Cilingiroglu)	In progress
16. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress
17. Simple calculations: West Pakistan wheat yield - 1900-2000 growth curves on various assumptions	Ec. (Oury)	Completed
18. Moderately complicated regression analysis: Cross sectional analysis of GNP related to a no. of variables for a large no. of countries	Ec. (Maccone)	In progress
19. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karacomanoglu)	In progress
20. Simple calculations: Microcosm of the world on a miniature scale with calculations on the average urban population, labor force, GNP/capita, no. of doctors, family size, illiteracy; and population and agricultural production growth rates; with participation of all countries in proportion to their population.	Ec. (Gilmore)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Simple calculations and tabulations: FAO food productivity resources, calculation and compilation of data into running tables	Proj. (Schumacher)	In progress
22. Simple calculations: Cameroon Oil Palm Project - rate of return	Proj. (Picciotto)	In progress
23. Simple calculations: Ghana Oil Palm Project - calculations of rate of return	Proj. (Rowe)	In progress
24. Complicated analysis: Disbursement patterns of IERD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
25. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guasqui-La-Paz	Proj. (Sander)	On hand
26. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
27. Simple calculations: Ecuador livestock project - debt schedule of annuity	Proj. (Knobel)	In progress
28. Simple tabulations: Republic of Central African Mission: updating miscellaneous tables	Afr. (Booz)	Completed
29. Simple calculations: Brazil livestock project - cash flow	W. Hem. (Husain)	Completed
30. Moderately complicated checking: Central American Mission report - country and aggregate tables	W. Hem. (Guerra)	In progress
31. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment-projections, investment by sector and projections	Afr. (Maubouche)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
32. Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
33. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S., three years (1964-66) by amount and general category of equip- ment	Inf. (Moore)	In progress
34. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IPC (Cohn)	In progress
35. Complicated data search: Compilation of references for FAO food production resources study	Dev. Services (Boakey)	Completed

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Moderately complex computer program: To prepare data on IERD loan disbursements	Proj. (Chadenet)	Completed
3. <del>Highly</del> complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Complex computer program to project IERD loans and punch cards for external debt country files	Ec. (Statistics)	Completed
5. Simple program to calculate special correlations coefficients	Ec. (Gury)	In abeyance
6. Moderately complex computer program to produce new debt cards when total service payment (including both principal and interest payments) and interest rate are given	Ec. (Statistics)	In progress
7. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
8. Highly complex system analysis and programming: Processing of creditor information (IERD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. India - 1 chart on Total Food Grain Production	IFC (Channagan)	Completed
2. Pakistan - 2 charts traced	Proj. (Manning)	Completed
3. El Salvador - 7 educational charts	Proj. (Holtin)	Completed
4. Indus Special Study - additions to 13 charts	Proj. (Luhman)	Completed
5. 1 chart Colombia - Bogota Power Company	Proj. (Arnold)	In progress
6. Colombia - Arlantino No. 3 Irrigation Project	Proj. (Harna)	Completed
7. 2 organization charts for Mexico - Banco Agropecuario S.A.	Proj. (Fernandez-Santos)	Completed
8. IDU - insertions and sterilizations - one chart traced	Bell Mis. (Bell)	Completed
9. Algeria - 7 charts, educational	Algerian Mis. (Leon)	In progress
10. 2 charts - Prices of Bonds and Bars revised and updated	Ec. (Walstedt)	Completed
11. 2 charts on car registration and population	Ec. (Walstedt)	In progress

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various markets.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IIM cards to Statistics IIM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IIM cards to Statistics IIM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
EACSO - June 30, 1966		Completed
GABON - December 31, 1966		In progress
KENYA - December 31, 1966		Completed
LESOTHO - June 30, 1966		In abeyance
MALI - June 30, 1966		In progress
MOROCCO - June 30, 1966 (rev.)	Golden	Completed
RHODESIA - June 30, 1966		In progress
SENEGAL - June 30, 1966		Completed
SOMALIA - June 30, 1966		In progress
TANSANIA - December 31, 1966 (new)		In progress
<u>ASIA</u>		
CHINA - Dec. 31, 1966 (new)		In progress
INDIA - Sept. 30, 1966		In progress
NEW ZEALAND - December 31, 1966(new)		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	Completed
GREECE - June 30, 1966		In progress
ITALY - June 30, 1966	Schaad	In progress
LUXEMBOURG - December 31, 1965		In progress
SPAIN - June 30, 1966		In progress
TURKEY - June 30, 1966		In abeyance
UNITED KINGDOM - June 30, 1966		In abeyance
December 31, 1966		In progress
YUGOSLAVIA - Dec. 31, 1965		Completed
June 30, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - December 31, 1965; June 30, 1966(new)		In progress
COLOMBIA - Dec. 31, 1965(new); June 30, 1966	Teigeiro	In progress
ECUADOR - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
MEXICO - June 30, 1966 (new)		In progress
NICARAGUA - June 30, 1966		In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - Dec. 31, 1965; June 30, 1965	Wyss	In abeyance
June 30, 1966(new); Dec. 31, 1966	Wyss	In progress
PARAGUAY - June 30, 1966(local currency)	Eery	Completed
URUGUAY - June 30, 1966		In progress

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

Ops. Adm.

Mr. A. M. Kamarck

February 28, 1966

E. K. Hawkins

*EKH*

Work of the Basic Research Group during week ending February 25

E. K. Hawkins - a) Preparation of draft Economic Report on Ecuador for submission to the Economic Committee including incorporation of new budget material.

b) Further investigation in connection with the work program for the Basic Research Group.

c) Participation in discussion on Capital Requirements.

A. Elsaas - On mission to United Arab Republic.

R. J. Niebuhr - On mission to Pakistan.

E. K. Hawkins: bso

Copy to Mr. B. A. de Vries

Mr. Andrew M. Kamarek

February 23, 1967

Arthur E. Tiemann *CT*

Progress Report of Statistics Division  
for the period February 1 - 15, 1967

A. EXTERNAL DEBT

## 1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA								
Date	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	<u>2</u>	<u>7(1)</u>	<u>1</u>	<u>1(1)</u>	<u>6(1)</u>	<u>8(1)</u>	<u>2</u>	<u>10(2)</u>
Dec. 31, 1966	-	2(1)	-	-	2(1)	2(1)	-	1(1)
Sept. 30, 1966	-	-	-	1(1)	-	-	-	-
June 30, 1966	1	5	1	-	4	5	2	8(1)/1
Dec. 31, 1965	1	-	-	-	-	1	-	1

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during period; 1 = includes 1 revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. Reconciliation of discrepancies between EC-1149 and Suppliers' credits' studies	Economics	Completed
4. Examination of edit program for redundancy	Economics	Completed
5. Budget estimates	Economics	Completed
6. Tunisia - routine preparation of memorandum on submission as of 6/30/66	Africa	Completed
7. Morocco - routine preparation of memorandum on private debt information	Africa	Completed
8. Congo-Kinshasa: preparation of memorandum on submission as of 12/31/66	Africa	In progress
9. Kenya - calculation of service payments 1967-70 on proposed lending	Afr. (Bruce)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Singapore - routine preparation of memorandum on submission as of 12/31/66	Asia	Completed
11. Pakistan - routine preparation of memorandum on submission as of 6/30/66	Asia	Completed
12. Italy - routine preparation of memorandum on the debt report as of June 30, 1966	Europe-M.E.	Completed
13. Greece - preparation of debt representation letter	Europe-M.E.	Completed
14. Mexico - weighted average terms of loans contracted in 1966	W.Hem. (Ross)	Completed
15. Brazil - routine preparation of amortization schedule for proposed IBRD loan	W.Hem. (Picciotto)	Completed
16. Mexico - routine preparation of debt tables as of June 30, 1966 showing amounts outstanding and service payments by borrower, interest rate and maturity	W. Hem.	In progress
17. Peru - preparation of table showing estimates of External Debt outstanding as of June 30, 1966 and service payments 1966-70	W. Hem. (Wyss)	In progress
18. Peru - preparation of AID and IDB tables 1 and 2	W. Hem.	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complicated graphs: Fish meal production study - several graphs on fish meal production, catch etc. for various countries	Ec. (Ali)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complex data collection and tabulations: Collect data for U.S.A. (1958) - value of major materials consumed by the machinery industry	Ec. (Datas)	Completed
8. Simple calculations: IDA financing study	Ec. (Hulley)	Completed
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated consolidation of data: Regrouping of import data for 1965 - imports of developed countries by a large no. of commodity divisions, groups and subgroups	Ec. (Balassa)	In progress
11. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In abeyance
12. Simple regression analysis: Tourism - expenditure of tourists related to income for five countries, 1950-64	Ec. (Leon & Pfeiffermann)	In progress
13. Simple regression analysis: Capital output ratio study - regression within various variables	Ec. (Carter)	In progress
14. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of trend, 1915-75 and various subperiods.	Ec. (Oury)	Completed
15. Moderately complex data collection and tabulation: Heavy electrical equipment export, import and production in detail for 16 countries for a recent year	Ec. (Gilingiroglu)	In progress
16. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress
17. Simple calculations: West Pakistan wheat yield - 1900-2000 growth curves on various assumptions	Ec. (Oury)	In progress
18. Moderately complicated calculations: Confidence limits of regression equations	Ec. (Maroz)	Completed
19. Moderately complicated statistical analysis: Projection of country indebtedness and de- sign of a probability sample	Ec. (Karsosmanoglu)	In progress
20. Simple calculations: Microcosmia - the world on a miniature scale with calculations on the average urban popu- lation, labor force, GNP/capita, no. of doctors, family size, illiteracy; and popu- lation and agricultural production growth rates; with participation of all countries in proportion to their population.	Ec. (Gilmore)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Routine checking: West Pakistan - checking and appraisal report	Proj. (Chapman)	Completed
22. Simple calculations: Indus Basin study - miscellaneous data	Proj. (Cummings)	Completed
23. Simple calculations: Ghana Oil Palm Project - calculations of rate of return	Proj. (Rowe)	In progress
24. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
25. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guacui-La-Paz	Proj. (Sander)	On hand
26. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
27. Simple tabulations: Republic of Central African Mission: updating miscellaneous tables	Afr. (Boos)	In progress
28. Simple tabulations: IBRD and IDA disbursements by loan no. and year 1966	W. Hem. (Lenfant)	Completed
29. Moderately complicated checking: Central American Mission report - country and aggregate tables	W. Hem. (Guerra)	In progress
30. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment-projections, investment by sector and projections	Afr. (Maubouche)	In progress

February 23, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
31. Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	In progress
32. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S., three years (1964-66) by amount and general category of equip- ment	Inf. (Moore)	In progress
33. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Moderately complex computer program: To prepare data on IERD loan disbursements	Proj. (Chadenet)	In progress
3. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Moderately complex computer program to edit and adjust IERD loan cards received from Treasurer's	Ec. (Statistics)	Completed
5. Complex computer program to project IERD loans and punch cards for external debt country files	Ec. (Statistics)	In progress
6. Simple program to calculate special correlations coefficients	Ec. (Oury)	In progress
7. Moderately complex computer program to produce new debt cards when total service payment (including both principal and interest payments) and interest rate are given	Ec. (Statistics)	In progress
8. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 1 chart sketch - Foreign Requirements for Imports on start of Automotive Industry	IFC (El Darwish)	Completed
2. Tanzania - Kilombero Sugar Company	IFC (Eynon)	Completed
3. 1 schedule and 2 overlays "Revised IAGA Program for Irrigation Development"	Proj. (Manning/Rangeley)	Completed
4. Critical Path Diagram sketch	Proj. (Soges)	Completed
5. 1 chart: Indus Special Study - Projected Water Budget in Canal Commanded Areas	Proj. (Manning)	Completed
6. Indus Special Study: Production from a given quantity of water at different levels of application	Proj. (Manning)	Completed
7. El Salvador: Education Project Construction Progress Chart	Proj. (Oltmanns)	Completed
8. Tanzania - Revised Highway Project - organization chart sketch	Proj. (Soges)	Completed
9. One organization chart - Camerron Development Corporation revised	Proj. (Whyte)	Completed
10. One chart - Luson Grid, Philippines	Proj. (Arnold)	Completed
11. One chart - Karachi Electric Supply System - revised	Proj. (Wyatt)	Completed
12. Algeria - 7 charts, educational	Algerian Mis. (Leon)	In progress
13. Display chart - loans to Western Hemisphere Countries	W. Hem. (Alter)	Completed
14. Interest rate charts	Eoe (Tiemann)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various markets.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
EACSO - June 30, 1966		In progress
GABON - December 31, 1966		In progress
KENYA - December 31, 1966 (new)		In progress
LESOTHO - June 30, 1966		In abeyance
MALAGASY - Dec. 31, 1965 & June 30, 1966		Completed
MALI - June 30, 1966		In progress
RHODESIA - June 30, 1966		In progress
SENEGAL - June 30, 1966		In progress
SOMALIA - June 30, 1966		In progress
<u>ASIA</u>		
INDIA - Sept. 30, 1966 (new)		In progress
KORRA - June 30, 1966		Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
CYPRUS - June 30, 1966		Completed
GREECE - June 30, 1966		In progress
ITALY - June 30, 1966	Schaad	In progress
LUXEMBOURG - December 31, 1966		In progress
MALTA - June 30, 1966; Dec. 31, 1966 (new)		Completed
NETHERLANDS - Dec. 31, 1966		Completed
SPAIN - June 30, 1966		In progress
SOUTH AFRICA - June 30, 1966		Completed
SWITZERLAND - June 30, 1966		Completed
TURKEY - June 30, 1966		In abeyance
UNITED KINGDOM - June 30, 1966		In abeyance
Dec. 31, 1966 (new)		In progress
YUGOSLAVIA - Dec. 31, 1965; June 30, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966 (rev.)	Teigeiro	In progress
ECUADOR - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
NICARAGUA - June 30, 1966		In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - Dec. 31, 1965; June 30, 1965	Wyss	In abeyance
Dec. 31, 1966 (new)		In progress
PARAGUAY - June 30, 1966	Eory	Completed
June 30, 1966 (local currency)	Eory	In progress
URUGUAY - June 30, 1966		In progress
VENEZUELA - June 30, 1966		Completed

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. Andrew M. Kamarek

March 22, 1967

Arthur E. Memann

Progress Report of Statistical Services Division  
for the period March 1 - 15, 1967.

A. EXTERNAL DEBT

## 1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	1(1)	7 (2)	-	4(1)	1	8(3)	1	16(4)
Dec. 31, 1966	1(1)	4 (2)	-	2	-	3(2)	-	3(2)
Sept. 30, 1966	-	-	-	2(1)	-	-	-	-
June 30, 1966	-	3	-	-	1	4(1)	1	11(2)
Dec. 31, 1965	1(1)	-	-	-	-	1	-	2

Note: Excludes 8 countries in abeyance; ( ) = number of countries started during period;

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. EACSO - updating June 30, 1966 debt tables	Afr. (Bruce)	Completed
4. Tunisia - preparation of lists of debt outstanding as of 9-30-66 for use of Consultative Group	Africa	Completed
5. Ghana - preparation of memorandum on debt submission	Africa	In progress
6. Cameroon - preparation of memorandum on debt submission as of 12/31/66	Africa	In progress
7. Calculation of average amounts outstanding for 1960-1965 on external public debt - Kenya	Afr. (Krishna)	Completed
8. Morocco - preparation of debt tables by state, public enterprise and private enterprise debt as of 6/30/66	Africa	Completed
9. Mali - preparation of memorandum on debt submission as of 6/30/66	Africa	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. India - updating debt tables for report to Consortium on debt relief and terms of aid	Asia (Votaw)	In progress
11. Pakistan - updating debt tables as of June 30, 1966	Asia (Abadian)	In progress
12. Peru - preparation of debt tables showing debt of the Central Government as of 6/30/66 - Foreign and Local Currency	W.Hem. (Wyss)	Completed
13. Peru - preparation of debt tables showing debt of the Independent Public Sector as of 6/30/66 - Foreign and Local Currency	W.Hem. (Wyss)	Completed
14. Peru - preparation of debt tables showing Government guaranteed private debt as of 6/30/66 - Foreign and Local Currency	W.Hem.	In progress
15. Peru - preparation of debt tables showing debt of the Public Sector as of 6/30/66 - Foreign and Local Currency	W. Hem.-	In progress
16. Peru - preparation of debt tables showing debt by maturity of the Central Government, Independent Public Sector, Public Sector, and Government guaranteed Private debt as of 6/30/66 - Foreign and Local Currency	W. Hem.	In progress
17. Brazil - tables on debt to U.S. Government and international organizations as of 12/31/66	W. Hem. (Villafuerte)	In progress
18. Costa Rica - routine review of additional information received on external debt outstanding as of June 30, 1966	W. Hem.	In progress
19. Brazil - preparation of debt cards	W. Hem.	In progress
20. Portugal - checking forms sent in reply to memorandum on debt as of June 30, 1966	Europe-M.E.	Completed
21. Computation of weighted average terms of External Public Debt incurred in 1965 for 34 Developing Countries by debtor and by source	Pres.Off.(Kochav)	In progress
22. Estimate of External Public Debt Outstanding Dec. 31, 1965 and June 30, 1966 and Service Payments in 1966 for Developing Countries	Pres.Off. (Kochav)	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Simple calculations and tabulations: Deflation of cocoa prices and updating of the IBRD Index	Ec. (White)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil 9 interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of a trend 1965-75	Ec. (Oury)	Completed
8. Moderately complicated regression analysis: Import substitution study	Ec. (Gilingiroglu)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
10. Moderately complicated consolidation of data: Regrouping of <del>import</del> data for 1965 - imports of developed countries by a large no. of commodity divisions, groups and subgroups	Ec. (Balassa)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In progress
12. Simple calculations: IDA Refinancing Study	Ec. (Hulley)	Completed
13. Simple regression analysis: Capital output ratio study - regression within various variables	Ec. (Carter)	Completed
14. Moderately complicated regression analysis: Fitting of a trend and projections up to 1975 of cattle prices in five countries	Ec. (Elz)	Completed
15. Moderately complex data collection and tabulation: Heavy electrical equipment exports, imports and production in detail for 16 countries for a recent year	Ec. (Gilingiroglu)	Completed
16. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities, etc.	Ec. (Lovasy)	In progress
17. Moderately complicated data search and calculations: Brazil mission - consumption functions, import functions etc.	Ec. (Villafuerte)	In progress
18. Moderately complicated regression analysis: Cross sectional analysis of GNP related to a no. of variables for a large no. of countries	Ec. (Maccone)	Completed
19. Moderately complicated statistical analysis: Projection of country indebtedness and design of a probability sample	Ec. (Karaozmanoglu)	In progress
20. Simple calculations: Microcosmia - the world on a miniature scale with calculations on the average urban population, labor force, GNP/capita, no. of doctors, family size, illiteracy; and population and agricultural production growth rates; with participation of all countries in proportion to the population	Ec. (Gilmore)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Moderately complicated calculations and tabulations: Brazilian Mission - Wage Index	Ec. (Lari)	Completed
22. Moderately complicated calculations and tabulations: Brazilian mission - Balance Sheet and Profit and Loss accounts, data, computations and significant ratios from 118 firms	Ec. (Delaplaine)	In progress
23. Moderately complicated regression analysis: Plywood consumption in U.S., U.K., etc. related to construction, furniture manufacturers etc. - trend and projections	Ec. (Khan)	In progress
24. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
25. Simple calculations and tabulations: FAO food productivity resources, calculation and compilation of data into running tables	Proj. (Schumacher)	Completed
26. Simple calculations: Cameroon Oil Palm Project - rate of return	Proj. (Picciotto)	Completed
27. Simple calculations: Ghana Oil Palm Project - calculations of rate of return	Proj. (Rowe)	Completed
28. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guayaquil-La-Paz	Proj. (Sander)	On hand
29. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
30. Simple calculations: Ecuador livestock project - debt schedule of annuity	Proj. (Knobel)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
31. Simple calculations: Debt service schedule Amortization schedule	Proj. (McGinniff)	Completed
32. Simple calculations: Index conversion	W. Hem. (Sreethar)	Completed
33. Moderately complicated checking: Central American Mission report - country and aggregate tables	W. Hem. (Guerra)	Completed
34. Moderately complicated tabulations: IBRD, IDA and IPC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand
35. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S., three years (1964-66) by amount and general category of equip- ment	Inf. (Noone)	In progress
36. Simple checking: Checking IBRD-IDA report	Inf. (Maher)	Completed
37. Moderately complicated tabulations: IBRD and IDA loans to Turkey, disburse- ments by loan no., country, principal sup- plier and commodity	Inf. (Clements)	Completed
38. Moderately complicated tabulations: World Bank groups - financing of industry	Inf. (Clements)	In progress
39. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment- projections, investment by sector and pro- jections	Afr. (Maubouche)	Completed
40. Moderately complex tabulations: Chad economic mission - collection and tabu- lations of budget data	Afr. (Booz)	In progress
41. Moderately complex calculations: Moroccan mission - imports, exports, value and volume projections - balance of payment projections, investment by sector and pro- jections	Afr. (Edelman)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
42. Moderately complicated tabulation: Republic of Central African mission - trade statistics, collection of data and tabulation	Afr. (Boos)	In progress
43. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress
44. Moderately complicated calculations: IBRD-IDA-IFC - loans and staff quarterly data, updating rough charts and fitting curves	Adm. (Eschenberg)	Completed

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
2. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In abeyance
3. Simple program to calculate special correlations coefficients	Ec. (Gury)	In abeyance
4. Moderately complex computer program to produce new debt cards when total service payment (including both principal and interest payments) and interest rate are given	Ec. (Statistics)	Completed
5. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
6. Highly complex system analysis and programming: Processing of creditor information (IBRD/OECD joint reporting system) to produce tapes for OECD and summary tables for participants)	Ec. (Statistics)	In progress
7. Simple program to compute IBRD commodity index	Ec. (Statistics)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 1 chart - World Potash Consumption	IFC (Williamson)	On hand
2. Tunisia - 1 organization chart	IFC (Neugain)	Completed
3. Swaziland Electricity Board-1 chart revised	Proj. (Wyatt)	Completed
4. Singapore - Electricity and Demand chart	Proj. (D. King)	Completed
5. Pakistan - 10 charts	Proj. (Willoughby)	Completed
6. Brasil - 1 chart revised	Proj. (Lamson-Scribner)	Completed
7. Indus Special Study - 12 floor diagrams	Proj. (Luhman)	Completed
8. 1 chart - consulting assignments (10 countries)	Proj. (Vogel)	On hand
9. Thailand - construction schedule-	Proj. (Golan)	On hand
10. El Salvador - revision of Primary School Enrollment Chart	Proj. (Haltin)	Completed
11. 4 display charts updated	Ec. (White)	Completed
12. Interest rate charts	Ec. (Tiemann)	Completed
13. Argentina - 1 chart sketch GNP and apparent demand of machinery and equipment	Ec. (Datas)	Completed
14. 2 charts on car registration and population	Ec. (Walstedt)	Completed
15. Algeria - 7 charts, educational	Algerian Mis. (Leon)	In progress
16. Uganda - revision of 1 educational chart and 2 new charts (pyramid and diagram)	E. African Mis. (McLellan)	In progress

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various markets
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Group
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Index
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CAMEROON - December 31, 1966 (new)		In progress
GABON - December 31, 1966		In progress
GHANA - December 31, 1965 (new)	Hammel	Completed
LESOTHO - June 30, 1966		In abeyance
MALI - June 30, 1966		In progress
RHODESIA - June 30, 1966		In progress
SIERRA LEONE - December 31, 1966 (new)	Ram	In progress
SOMALIA - June 30, 1966		In progress
TANZANIA - December 31, 1966		In progress
<u>ASIA</u>		
CHINA - December 31, 1966		In progress
INDIA - Sept. 30, 1966		In progress
IRAN - Sept. 30, 1966 (new)		In progress
NEW ZEALAND - December 31, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
GREECE - June 30, 1966		In progress
ICELAND - December 31, 1966 (new)		In progress
ITALY - June 30, 1966	Schaad	Completed
LUXEMBOURG - Dec. 31, 1965; June 30, 1966(new); Dec. 31, 1966 (new)		In progress
SPAIN - June 30, 1966		In progress
TURKEY - June 30, 1966		In abeyance
UNITED KINGDOM - June 30, 1966		In abeyance
December 31, 1966		In progress
YUGOSLAVIA - June 30, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - Dec. 31, 1965; June 30, 1966	Teigeiro	In progress
ECUADOR - June 30, 1966; Dec. 31, 1966 (new)		In progress
DOMINICAN REPUBLIC - June 30, 1966(new)		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
June 30, 1966 (new); Dec. 31, 1966(new)		In progress
MEXICO - June 30, 1966		In progress
NICARAGUA - June 30, 1966		In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - Dec. 31, 1965; June 30, 1965	Wynn	In abeyance
Dec. 31, 1966	Wynn	In progress
June 30, 1966	Wynn	Completed
URUGUAY - June 30, 1966		In progress

Annex 2: Description of regression analysis  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income, production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

cc Dept. Cont.

Mr. Andrew M. Kanarek

March 22, 1967

Stanley Please

Domestic Development Finance Division - Progress Report on Major Studies

I am attaching a progress report on the research studies being undertaken in the Division as of March 1, 1967, as requested by you.

cc: Messrs. de Vries, Collier and Sacchetti

March 1, 1967

Domestic Development Finance Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man months required (per author)</u>	<u>Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Coun. draft</u>	<u>Blue cover</u>	<u>Remarks</u>
Development Finance Problem of Brazil	(Hansen Christoffersen Comins Sciulli	10 10 10 10	3 3 3 3	15 Aug 66) 1 Aug 66) 1 Aug 66) 1 Aug 66)	31 May, 67	30 June 67	-	-	Draft Report of Research Mission delayed due to extensive demands made upon its members by the general economic mission to Brazil.
Marking of Re- venue for Highway Purposes	Eklund (I.P.)	3	None	1 Jan 67	1 March 67	24 March 67	-	-	First draft almost completed.

Mr. A. M. Kamaryck

March 21, 1967

Emmanuel Levy

Work Progress Report for the Comparative Country Data Division for the Period March 1-15, 1967

World Tables

1. A summary table detailing private and public investment in developing countries was completed and distributed to holders of the World Tables. This is the first of a series of World Table supplements which will be distributed from time to time, pending a general revision and updating of the Tables.

IDA Replenishment

2. A set of tables relating to IDA replenishment was completed and submitted to Mr. I.S. Friedman. Considerable assistance was extended in this respect by the Area Departments of the IMF.

Government Sector Expenditures, by Economic Function

3. Work has been commenced on an analysis of government expenditure by economic function in developing countries.
4. A study has been made of the various possible sources of information, and preliminary tabulations have been completed for a number of Latin American countries.

Country Data Briefs

5. Following discussions with Mr. Collier, a start has been made on the preparation of a second draft proposal for the country data briefs.

Miscellaneous

6. Information was supplied to the Office of the President

March 21, 1967

on Population and Gross National Product in Developing Countries  
in 1964-1965.

7. Two meetings were held with Mr. Please and with Messrs.  
Lotz and Morse of the IMF, in connection with the paper "Measuring  
Tax Effort in Developing Countries".

cc: Messrs. de Vries  
King

EL:eb

Mr. Andrew M. Kanarek

March 17, 1967

Stanley Please

Report on the activities of the Domestic Development Finance Division  
-- March 1 - March 16, 1967

1. Research Mission to Brazil

Messrs. Christoffersen, Holsen, Comiez, and Sciolti have returned from Brazil. They are working very closely with Mr. Avramovic and his general economic mission and are expecting to make a contribution to that report in addition to their own more extensive research mission report, the first draft of which will probably not now be available until mid-April or late April.

2. Country Economic Mission

Mr. Beier arrived back in Washington from Pakistan and is at the moment preparing his contribution to the report of the economic mission to that country.

Mr. Churchill is revising his report for the economic mission to Colombia. This is expected to be completed by the end of the month.

Mr. Please completed his Appendix for the report of the Bell mission and participated in the discussions in Washington on the report with Indian officials.

3. Research Study

Mr. Eklund (Young Professional) has completed a first draft of his study on the earmarking of public revenues to highway expenditure. This draft is now being revised and will be circulated within the Department in the next day or two.

cc: Mr. de Vries

Mr. A.M. Kamarch

March 17, 1967

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending March 17, 1967

- |                 |  |
|-----------------|--|
| E.K. Hawkins    | - Completed redrafting of capital requirements paper.  |
| A. Elsaas       | - Paper on India planning models.<br>Attendance at Spanish language course.  |
| R.J. Niebuhr    | - Further work on econometric model for Malaysia.  |
| J.C. Liu        | - Further work on econometric model for Brazil.  |
| N.G. Carter     | - Further work on economic report on Uganda.   |
| K. Krishnamurty | - Completed review of studies undertaken relating to consumption and saving functions.<br>Began formulation of hypothesis for further testing. |

EKHawkins/w

cc: Messrs. de Vries, Elsaas, Niebuhr, Liu, Carter and Krishnamurty

Mr. Andrew M. Kamarck

March 15, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - March 1-15, 1967

Walstedt: General Supervision;  
Lecture to EDI, Spanish Course, on "Planning Industrial Growth";  
Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report;  
- Follow-up letters to European manufacturers on pricing of heavy mechanical equipment;  
- Note on truck manufacture in Spain (talk with Pegaso);  
- Memorandum on Exchange Rate Adjustment in Argentina.

Baranson: Industrial Protection Study:  
- Automotive Industry, Final Report.

Bhatia: Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report.

Cilingiroglu: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report.

Datas: Lecture to EDI, Spanish Course, on "Planning Industrial Growth";  
Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report.

Guillot: Comments on Industry Section, Guyana Report;  
Summary of "Industry" for Ethiopian Report;  
Reviewing material from ECLA re: Small-Scale Industries in Latin America.

Schrenk: Industrial Protection Study:  
- Heavy Mechanical Equipment: Questionnaires on prices.

Villela: Returned March 13 from Mission to Pakistan  
Lecture to EDI, Spanish Course, on "Instruments of Industrial Techniques".

Harahap: Industrial Protection Study:  
- Import-Export figures for heavy electrical equipment in Argentina, Austria, Brazil, Germany, Spain, Sweden and United States.

May: Demand Study for Automobiles in Spain - report submitted to IFG;  
Industrial Protection Study:  
- Production and import figures on heavy mechanical equipment.

Mr. Andrew M. Kamarck

-2-

March 15, 1967

Turay:

Industrial Protection Study:

- Preparing tables on Automotive Industry.

cc: Messrs. de Vries, King/Sacchetti, Sadove;  
and Industrialization Division

  
B:hsb

Mr. Andrew M. Kamarck

March 1, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - February 16-28, 1967

Walstedt: General Supervision;  
Industrial Protection Study:  
- Note on Focus of Industry Monographs; their relevance for Domestic Preference Issue;  
- Heavy Mechanical Equipment, Final Report.

Baranson: Industrial Protection Study:  
- Automotive Industry, Final Report.

Rhatia: Industrial Protection Study:  
- Heavy Mechanical Equipment, Section on India, Final Report.

Cilingiroglu: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report.

Datas: Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report, Section on Argentina.

Guillot: Summary of "Industry" for Ethiopian Report;  
Translation and editing Algerian Report;  
Reviewing material from ECLA regarding Small-Scale Industries in Latin America.

Schrenk: Arrived on duty February 20;  
Industrial Protection Study:  
- Heavy Mechanical Equipment, Additional questionnaires on prices.

Villela: On Mission to Pakistan.

Harabap: Industrial Protection Study:  
- Work on heavy electrical equipment industries in India, Mexico and Argentina.

May: Steel Import Prices - Malaya (for IFC), Report submitted to IFC;  
Demand Study for Automobiles with particular reference to Spain;  
Industrial Protection Study:  
- Production and import figures on Spanish heavy electrical equipment industry.

cc: Messrs. de Vries, Sadove, King/Sacchetti; Industrialization Division

EW:bb

cc. Digest Cost

Mr. Andrew M. Kamarck

March 1, 1967

Stanley Please

Report on the activities of the Domestic Development Finance Division  
-- February 17 - March 1, 1967

1. Research Mission to Brazil

Messrs. Christoffersen, Holsen, Comiez, and Sciolti are at present in Brazil, firstly as a follow-up mission to their initial field work and secondly in order to collaborate with the general economic mission which is in Brazil, headed by Mr. Avramovic. They are expected back in Washington early this month.

2. Country Economic Missions

Mr. Beier has been in Pakistan as a member of the economic mission to that country. He is arriving back in Washington today and will be preparing his report for the mission.

Mr. Churchill is revising his report for the economic mission to Colombia. This is expected to be completed by the end of March.

Mr. Please has been continuing his work on the Bell mission.

3. Research Study

Mr. Eklund (Junior Professional) is continuing his work on the earmarking of public revenues to highway expenditure. His provisional draft of this study should be available within the next week or two.

SPlease:lo

cc: Mr. de Vries

cc. Dept East

Mr. A. M. Kamarck

March 1, 1967

J. H. Collier

Report on Activities

Apart from routine work on various reports, mission planning, committees, etc., my principal concerns during the last few weeks have been

- a) The Coffee Diversification Fund - preparation of letter to Mr. Santos explaining the position of the Bank. I now have to work out a "modus faciendi" which Mr. Santos will presumably use to explain to potential members why they should support the idea.
- b) "Harmonization of Terms," memo on Paris meeting and draft of memo for circulation to Economic Committee.

Other matters of lesser importance have been the memo on "Country Economic Briefs" which has been cleared by Mr. Knapp and Mr. Friedman, and liaison with Shirley Boskey on the FAO Food Study. Finally, I am supposed to do something with Mr. Cope on local expenditure but we haven't got started yet.

JHCollier:vmc

Mr. A.M. Kemarch

March 1, 1967

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending February 28, 1967

- |                 |   |
|-----------------|---|
| E.K. Hawkins    | - Redrafting of capital requirements paper.                                     |
| A. Elsas        | - Paper on India planning models.<br>Attendance at Spanish language course.     |
| R.J. Niebuhr    | - Further work on econometric model for Malaysia.                               |
| J.C. Liu        | - Further work on econometric model for Brazil.                                 |
| H.G. Carter     | - Further work on economic report on Uganda.<br>Annual leave.                   |
| E. Krishnamurty | - Review of studies undertaken relating to<br>consumption and saving functions. |

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu, Carter and Krishnamurty

# STATUS OF MAJOR STUDIES

	<u>Subject</u>	<u>Estimated dates for the completion of the different stages</u>		
		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsas*	<u>Study of Indian Planning Models</u>	Complete	Complete	March 1967
E.K. Hawkins Consultant - Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	Project temporarily suspended, except for work by consultants scheduled for completion September 1967.	
J.C. Lin	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	First draft for discussion planned for end of June, 1967.
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	October 1966 to March 1967	April - June 1967
K. Krishnaswamy	<u>Study of Consumption/Savings Relationships</u>	January - March 1967	Mar. - Dec. 1967	Undetermined at this point.
A. Conrad (consultant)	<u>Capital/Output Ratios Study</u>	January to June 1967	Undetermined at this point.	

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models reworked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

\* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. A.M. Kamerek

February 20, 1967

H.K. Hawkins

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending February 17, 1967.

- H.K. Hawkins
- Attendance at population seminar organized by the QAS - preparation of summary of proceedings.
  - Meeting with director of the FAO-IBB study of agrarian reform in Latin America and discussions within the Bank arising out of this meeting.
  - Redrafting of capital requirements paper.
- A. Elsas
- Paper on India planning models.
  - Attendance at Spanish language course.
- R.J. Niebauer
- Further work on econometric model for Malaysia.
- J.C. Liu
- Further work on econometric model for Brazil.
- H.G. Carter
- Redrafting of sections of economic report on Uganda.
- K. Krishnamurti
- Review of studies undertaken relating to consumption and saving functions.

H.Hawkins/e

cc: Messrs. de Vries, Elsas, Niebauer, Liu, Carter and Krishnamurti.

Mr. Andrew M. Kamarek

February 15, 1967

Bertil Walstedt

Principal Activities of Industrialization Division - February 1-15, 1967

Walstedt: General Supervision;  
Industrial Protection Study:  
- Review of El Darwish Paper on Automotive Industry;  
- Heavy Electrical Equipment, Spain;  
- Heavy Mechanical Equipment, Final Report.

Baranson: Industrial Protection Study:  
- Automotive Industry, Final Report.

Bhatia: Industrial Protection Study:  
- Heavy Mechanical Equipment, Section on India.

Gilindiroglu: Industrial Protection Study:  
- Heavy Electrical Equipment, Final Report.

Datas: Industrial Protection Study:  
- Heavy Mechanical Equipment, Final Report.

Guillot: Summary of "Industry" for the Ethiopian Report;  
Research Project on Regional Development.

Villala: Ethiopian Report, Draft submitted;  
Left Feb. 10 for Pakistan.

Harshap: Industrial Protection Study:  
- Study of the consumption of ball bearings as an  
index of activity in the engineering industries;  
- Work on heavy electrical industries in India.

May: Spanish Automobile Market - 1967-70 (for IFG);  
Industrial Protection Study:  
- Production and import figures on Spanish heavy  
electrical equipment industry.

cc: Messrs. de Vries, Sadove, King/Sacchetti;  
Industrialization Division

*Ant*  
EW:ab

Mr. Andrew M. Kamarck

February 15, 1967

Paolo Leon

Progress Report - February 1-15

P. de Fontenay:

- (a) Memorandum with Vinod Dubey on Bank preference to domestic suppliers;
- (b) Comments on paper for editorial committee of Bank occasional papers;
- (c) Research for Mr. Friedman;
- (d) Work on Moroccan report.

V. Dubey:

Home Leave

A. Karaosmanoglu:

- (a) Statistical annex of Suppliers' Credits Study;
- (b) Possibilities of establishing a statistically meaningful sample of debtor countries for global debt studies;
- (c) Early warning system;
- (d) Debt rescheduling (with Mr. Pfeiffermann).

G. Pfeiffermann:

- (a) Completed draft paper on demand for international tourism;
- (b) Washington conference on population policies in Latin America (with Mr. Hawkins); draft summary of the proceedings;
- (c) Work on the study on debt rescheduling with Mr. Karaosmanoglu;
- (d) Review of the French version of the Algerian report on agriculture.

B. Rao:

- (a) Informal meeting with Mr. Wheatcroft, a 'tourism' expert;
- (b) Meeting with Fund representatives regarding balance of payments questions;
- (c) Note on President Johnson's foreign aid message;
- (d) Enquiry from UNCTAD regarding an IFC investment in Kenya;
- (e) Work on the services account of LDCs in 1965.

P. Leon:

- (a) Correspondence, memorandum and meetings on Suppliers' Credits Study;
- (b) Meeting and memorandum on coordination of external debt work;
- (c) Study of and meetings on Tunisia Economic Report;
- (d) Work on 1967/68 budget;
- (e) Algeria mission work;
- (f) Miscellaneous routine work;
- (g) General supervision.

cc Dept -  
P. Rep.

Mr. Andrew M. Kamarck

February 2, 1967

Charles G. Goor *CGG*

Progress Report of Statistics Division  
for the period January 16 - 31, 1967.

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	<u>4(1)</u>	<u>11(5)</u>	<u>2</u>	<u>3</u>	<u>2</u>	<u>11(4)</u>	<u>1(1)</u>	<u>9(1)</u>
Dec. 31, 1966	2(1)	1(1)	-	-	-	2(2)	-	-
June 30, 1966	2	9(4)/1	2	2	-	8(2)	1(1)	8(1)
Dec. 31, 1965	-	1	-	1	2	1	-	1

Note: Excludes 7 countries in abeyance; ( ) = number of countries started during period; /1 = includes 1 revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. Suppliers' credits study - revision and updating of tables	Economics	Completed
4. Tunisia - routine preparation of memorandum on submission as of 6/30/66	Africa	In progress
5. Kenya - examination of debt material as of June 30, 1966	Africa	In progress
6. Pakistan - preparation of amortization schedule for proposed IBRD loan	Asia (Roulet)	Completed
7. Thailand - preparation of amortization schedule for proposed IBRD loan	Asia (Hrusi)	Completed
8. Korea - routine preparation of memorandum on submission as of 6/30/66	Asia	Completed
9. Jordan - preparation of 2 amortization schedules for proposed IBRD loans	Europe-M.E. (Gavin)	Completed
10. Swaziland - preparation of 2 amortization schedules for proposed IBRD loans	Europe-M.E. (Gavin)	Completed

February 2, 1967

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11.	Mexico - weighted average terms of loans contracted in 1966	W. Hem. (Ross)	In progress
12.	Mexico - weighted average terms of loans outstanding as of Dec. 31, 1965 and June 30, 1966	W. Hem. (Ross)	Completed
13.	Mexico - routine preparation of table showing estimated service payments due on supplier and private bank credits contracted in second half of 1966	W. Hem. (Ross)	Completed
14.	Honduras - routine checking of debt material	W. Hem.	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings(see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calcu- lations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Water consumption in urban areas of various countries - cross section study of consump- tion related to income, population, weather and other variables	Ec. (Meroz)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, pro- duction, yield, prices and numerous agri- cultural inputs	Ec. (Oury)	In progress
7. Simple calculations: Calculate indices and fit regression for exports of merchandise and invisibles	Ec. (Macone)	Completed
8. Simple calculations: IDA financing study	Ec. (Halley)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In abeyance
10. Moderately complicated regression analysis: Consumption of aluminum in three countries, U.S.A., Europe, Japan, related to industrial production	Ec. (Huang)	Completed

February 2, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple regression analysis: Malaya - import data related to various variables	Ec. (Niebuhr)	In progress
12. Simple regression analysis: Tourism - expenditure of tourists related to income for five countries, 1950-64	Ec. (Leon & Pfeffermann)	In progress
13. Moderately complicated regression analysis: Germany and U.S.A. fish meal study - regression analysis with various data	Ec. (Els)	Completed
14. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of trend, 1915-75 and various subperiods.	Ec. (Oury)	In progress
15. Moderately complex data collection and tabulation: Heavy electrical equipment export, import and production in detail for 16 countries for a recent year	Ec. (Gilingiroglu)	In progress
16. Simple calculations: Ceylonese and Indian tea prices - collection and deflation of price series	Ec. (Ali)	Completed
17. Routine checking: West Pakistan - checking and appraisal report	Proj. (Chapman)	In progress
18. Simple calculations: Ivory Coast Oil Palm Project - calculations of rate of return	Proj. (Rowe)	Completed
19. Simple calculations: Ghana Oil Palm Project - calculations of rate of return	Proj. (Rowe)	In progress
20. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
21. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guacui-La-Paz	Proj. (Sander)	On hand

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
22. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Haltin)	In abeyance
23. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	Completed
24. Highly complex data collection: Data on bids and contracts for a sample of IBRD and IDA loans during 1960-66	Proj. (Ripman)	Completed
25. Moderately complicated tabulation: Trade table for Tanzania, Uganda and Kenya: interterritorial export data 1964-65 in some detail	Afr. (de Wilde)	Completed
26. Simple tabulations: Republic of Central African Mission: updating miscellaneous tables	Afr. (Boon)	In progress
27. Simple tabulations: IBRD and IDA disbursements by loan no. and year 1961-65	W. Hem. (Lanfant)	Completed
28. Moderately complicated regression analysis: Central American countries - imports related to exports, credits, income, population etc.	W. Hem. (Schmitt)	Completed
29. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment-projections, investment by sector and projections	Afr. (Maubouche)	In progress
30. Simple tabulations: IBRD and IDA agricultural loans by country and purpose	Inf. (Grenier)	Completed
31. Moderately complicated tabulations: IBRD and IDA disbursements to selected suppliers in U.S., three years (1964-66) by amount and general category of equipment	Inf. (Neone)	In progress
32. Simple tabulations: Updating IBRD disbursements in Canada, cumulative Dec., 1966 by supplier, goods, loan no. and amount	Inf. (Sankaran)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
33. Simple tabulations: IERD disbursements in Canada by supplier, goods, loan no. and amount	Treas. (Jones)	Completed
34. Simple calculations: China - amortization schedules - calculations of annuity principal and interest	Adm. (Lamers)	Completed
35. Simple calculations: Calculation of trend of aluminum: ALCOMINAS consumption during 1954-1975 and plotting a chart	IFC (Brenner)	Completed

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complex computer program: To prepare data on IHRD loan disbursements	Proj. (Chadenet)	In progress
2. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
3. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Moderately complex computer program to edit and adjust IHRD loan cards received from Treasurer's	Ec. (Statistics)	In progress
5. Complex computer program to project IHRD loans and punch cards for external debt country files	Ec. (Statistics)	In progress
6. Simple program to calculate special correlations coefficients	Ec. (Oury)	In progress
7. Moderately complex computer program to produce new debt cards when total service payment (including both principal and interest payments) and interest rate are given	Ec. (Statistics)	In progress
8. Complex computer program to calculate gross aid requirements, under various repayment provisions, to arrive at a fixed yearly level of net aid.	Asia (Dunn)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 3 charts revised - Pakistan	Proj. (Robertson)	Completed
2. 1 Nicaragua Education Project (revised)	Proj. (Thint)	Completed
3. 1 flow diagram and 1 chart traced - Indus Project	Proj. (Manning)	Completed
4. 8 charts - analysis of the operations of the Project Department	Proj. (Chadenet)	Completed
5. 1 Ecuador Livestock Development chart revised	Proj. (Knobel)	Completed
6. 2 construction schedules of Colombia revised	Proj. (Sicely)	Completed
7. 5 educational diagrams	Central Am. Mission (Guerra)	Completed
8. 3 charts - IERD Staff Retirement Plan - revised and updated	Treas. (Mazzitti)	Completed
9. 1 Construction schedule and 2 charts for Brazil - ALCOMINAS	IFC (Brenner)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IIM cards to Statistics IIM cards.
7. Preparation of current data on yields of IIRD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IIM cards to Statistics IIM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IIRD and IDA disbursements.
2. Maintenance of IIRD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IIRD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CENTRAL AFRICAN REPUBLIC - Dec. 31, 1966(new)	Booz	Completed
CONGO BRAZZAVILLE - Dec. 31, 1966	Booz	Completed
EACSO - June 30, 1966 (new)		In progress
GABON - Dec. 31, 1966(new)		In progress
LESOTHO - June 30, 1966 (new)		In abeyance
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - June 30, 1966		In progress
MALTA - June 30, 1966 (new)		In progress
MOROCCO - June 30, 1966 (rev.)	Golden	In progress
PHODESIA - June 30, 1966		In progress
REGAL - June 30, 1966		Completed
SIERRA LEONE - June 30, 1966	Lutolf	In progress
SOMALIA - June 30, 1966		In progress
SOUTH AFRICA - June 30, 1966(new)		In progress
ZAMBIA - June 30, 1966	Bruce	Completed
<u>ASIA</u>		
CHINA - June 30, 1966		In progress
CEYLON - Dec. 31, 1965		In progress
KOREA - June 30, 1966		In progress
MALAYSIA - June 30, 1966		Completed
PAKISTAN - June 30, 1966		Completed
<u>EUROPE-MIDDLE EAST</u>		
AUTRIA - June 30, 1966	Schaad	In progress
CYPRUS - June 30, 1966		In progress
GREECE - June 30, 1966		In progress
ISRAEL - Dec. 31, 1965		Completed
ITALY - June 30, 1966	Schaad	In progress
LUXEMBOURG - Dec. 31, 1966 (new)		In progress
NETHERLANDS - Dec. 31, 1966 (new)		In progress
SPAIN - June 30, 1966 (new)		In progress
SWAZILAND - June 30, 1966		In progress
TURKEY - June 30, 1966 (new)		In progress
UNITED KINGDOM - Dec. 31, 1965;		Completed
June 30, 1966		In abeyance
YUGOSLAVIA - Dec. 31, 1965; June 30, 1966		In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
ECUADOR - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
NICARAGUA - June 30, 1966 (new)		In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - Dec. 31, 1965; June 30, 1965	Wyss	In abeyance
PARAGUAY - June 30, 1966	Bory	In progress
TRINIDAD & TOBAGO - June 30, 1966 (new)		Completed
VENEZUELA - June 30, 1966		In progress

Statistics Division  
IHRD-Economics Department  
February 2, 1967

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A.M. Komarok

February 2, 1967

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending January 31, 1967

- E.K. Hawkins - Redrafting of capital requirements paper.
- Review of various "trade gap" papers for UNCTAD meeting and attendance at UNCTAD meeting in New York.
- Drafting of budget presentation.
- A. Elsas - Review of various "trade gap" papers for UNCTAD meeting.
- Attendance at Spanish language course.
- R.J. Niebuhr - Further work on econometric model for Malaysia
- Review of various "trade gap" papers for UNCTAD meeting.
- J.C. Lin - Further work on econometric model for Brazil.
- Review of various "trade gap" papers for UNCTAD meeting.
- H.G. Carter - Drafting of sections of economic report on Uganda.
- Review of "trade gap" papers for UNCTAD meeting and attendance of UNCTAD meeting in New York.
- K. Krishnamurty - Review of various "trade gap" papers for UNCTAD meeting.
- Began review of studies undertaken relating to consumption and savings functions.

EKH/Hawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Lin, Carter and Krishnamurty

# STATUS OF MAJOR STUDIES

		<u>Estimated dates for the completion of the different stages</u>		
<u>Subject</u>		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsas*	<u>Study of Indian Planning Models</u>	Complete	Complete	January - February 1967.
E.K. Hawkins Consultant - Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	Project temporarily suspended, except for work by consultant, scheduled for completion September 1967.	
J.C. Liu	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	First draft for discussion planned for end of June, 1967.
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	October 1966 to March 1967	April - June 1967.
K. Krishnaswamy	<u>Study of Consumption/Savings Relationships</u>	January - March 1967	Mar. - Dec. 1967	Undetermined at this point
A. Conrad (consultant)	<u>Capital/Output Ratios Study</u>	January to June 1967	Undetermined at this point.	

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models reworked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

- \* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. Andrew M. Kanarek

February 1, 1967

Bertil Walstedt

Principal Activities of Industrialization Group - January 16-31, 1967

Walstedt: General Supervision;  
Review of applications for EDI Industrial Projects  
Course 1967;  
Working Party on Spanish Railway Loan;  
Division Program - 1967/68;  
Industrial Protection Study:  
- Final Report on Heavy Mechanical Equipment -  
Work proceeding.

Baranson: Brief note on Yugoslav proposal to expand truck manufacturing in Yugoslavia;  
Division Program - 1967/68: Proposed Follow-up on Automotive Industry Report;  
Industrial Protection Study:  
- Draft Final Report on Automotive Industry.

Bhatia: Brief note on "Tied Aid, Its Price and Its Impact on Developing Countries" (particularly with reference to production of heavy equipment);  
Industrial Protection Study:  
- Draft Final Report on Heavy Mechanical Equipment;  
- First draft of section on Pakistan finished;  
- Working on section on India.

Cilingiroglu: Division Program - 1967/68: Study of Investment Costs for Nitrogen Fertilizers;  
Industrial Protection Study:  
- Final Report on Heavy Electrical Equipment.

Datas: Industrial Protection Study:  
- Final Report on Heavy Mechanical Equipment.

Guillot: Completing Tunisian Report;  
Division Program 1967/68: Research Project on Regional Development.

Villela: Ethiopian Report;  
Preparing for Mission to Pakistan.

Harahan: Industrial Protection Study:  
- Study on the consumption of ball bearings as an index of activity in the engineering industries.

May: Spanish Automobile Market - 1967-70 (for IFG);  
Industrial Protection Study:  
- Production and trade figures on machinery.

cc: Messrs. de Vries, Sadove, King/Sacchetti; Industrialization Group  
B:hhb

Mr. A. M. Kamarck

February 1, 1967

Paolo Leon

Progress Report - January 15-31

P. de Fontenay: Moroccan mission.

V. Dubey: (a) Worked on the revision of the paper on Import Substitution;  
(b) written a memo on Mr. Rist's comments on Prof. Balassa's study;  
(c) written a memo with Mr. de Fontenay on the Margin of Preference.

A. Karaosmanoglu: (a) Studied Indian debt statistics and prepared a briefing note for Mr. Kamarck on Indian debt problem; participated a meeting on the subject;  
(b) worked on the Cost of Aid paper;  
(c) carried out some routine work connected with Suppliers Credits Study, activities of DAC, long term debt projections of UNCTAD etc.

G. Pfeiffermann: (a) Collected information on tourism: statistics on receipts and expenditure, other statistics studies;  
(b) compiled statistical data with the help of Mrs. Hong;  
(c) analysed information with the help of Mr. Kundu, for computing econometric parameters;  
(d) wrote the first part of a draft on tourism focussing on the demand-side of the problem;  
(e) helped Mr. Leon on the Tunisian debt projection exercise and in getting tables for the Algerian report ready.

B. Rao: (a) Commented on a "Reappraisal of a Tourism Development Project" in Morocco;  
(b) At Mr. Sacchetti's request, discussed the U.S. balance of payments and its implications for IBRD and IDA with Mr. Kzeis of the University of Oklahoma;  
(c) Discussed 'tourism' with Mr. Taxali of the Government of India Tourist Department;  
(d) Discussed with Mr. Grenier DAC's treatment of IFC activities;  
(e) Conferred with Mr. McPheeters of DAC/OECD on problems of mutual interest;  
(f) Discussed the outline of a prospective study of tourism;  
(g) commented on a paper on 'invisibles';  
(h) completed work on reconciling IBRD-DAC data on capital flows. Further work on some method of casting a balance of payments for the LDCs has been deferred pending other assignments.

Mr. Kamarck

- 2 -

February 1, 1967

P. Leon:

- (a) Memorandum on aid flows (for Mr. Reid);
- (b) memorandum on tourist project in Morocco (with Mr. Rao);
- (c) memorandum on a projection model for Tunisia;
- (d) memorandum on a long-term debt projection for Tunisia.
- (e) Algerian mission work
- (f) general supervision

cc: Mr. B. de Vries  
Mr. G. Kalmanoff

~~PL~~en:yd

Mr. Andrew M. Kamarck

February 11, 1967

Stanley Please

Report on the activities of the Domestic Development Finance Division  
-- January 16 - 31, 1967.

1. Research Mission to Brazil

Messrs. Christoffersen, Holsen, Comiez, and Sciolli have been preparing their report on problems of development financing in Brazil

Messrs. Comiez and Sciolli returned to Brazil on January 22 as part of the general economic mission and as a follow-up to the research mission.

2. Country Economic Missions

Mr. Beier completed his report for the economic mission to Iran and did preparatory work for his participation in the economic mission to Pakistan. He left for Pakistan on January 28.

Mr. Churchill participated in an economic mission to Colombia, completed his report for the economic mission to Guinea and has been studying the Meiselman report on "Inflationary Finance in Argentina".

Mr. Please has been preparing his report for the economic mission to India and has undertaken a critical analysis of the IMF study entitled "Measuring Tax Effort in Developing Countries".

SPlease:lo

cc: Mr. de Vries

Ec. Dept - P.R. Rep.

Mr. Andrew M. Kamarck

January 18, 1967

Charles G. Goor

Progress Report of Statistics Division  
for the period January 1 - 15, 1967.

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA								
Date	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	<u>5</u>	<u>11(1)</u>	<u>3</u>	<u>5(1)</u>	<u>2</u>	<u>14</u>	<u>-</u>	<u>8(1)</u>
Dec. 31, 1966	-	1	-	-	-	-	-	-
June 30, 1966	4	8(1)	2	4(1)	2	10	-	7(1)
Mar. 21, 1966	-	-	1	-	-	-	-	-
Dec. 31, 1965	1	2	-	1	-	<u>3/1</u>	-	1
June 30, 1965	-	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( ) = number of countries started during period; 1 = includes 1 revision.

Work	Requested by	Status
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. Complicated data research: various types of commercial credits	Economics	In progress
4. Central African Republic - examination of debt material	Afr. (Booz)	In progress
5. Tunisia - examination of debt reports from IERD mission to Tunisia	Afr. (Edelman)	In progress
6. Uganda-Tanzania-Kenya-EACSO weighted average terms of debts contracted in 1963, 1964 and 1965.	Afr.	Completed
7. Ethiopia - comparison of Fund data with data from country	Afr.	Completed
8. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress
9. India - preparation of payments due on insured and guaranteed credits as of Dec. 31, 1960-65	Asia	Completed

January 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. India - preparation of moderately complex debt tables showing estimated future total amounts outstanding, disbursements, debt service, and net aid from all creditors from the Fourth through the Eighth Plans	Asia (Katz)	Completed
11. Yugoslavia - estimation of debt outstanding as of 12/31/65	Europe-M.E.(Simmons)	Completed
12. Yugoslavia - checking all Forms C and preparation of a memo	Europe-M.E.	Completed
13. Colombia - routine checking of individual debt schedules as of June 30, 1966	W.Hem. (Teigeiro)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Water consumption in urban areas of various countries - cross section study of consumption related to income, population, weather and other variables.	Ec. (Maroz)	In abeyance
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In abeyance
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Simple calculations: IHRD Index - calculations of new weights for comparison with old index	Ec. (Singh)	Completed
8. Simple calculations: IDA financing study	Ec. (Hulley)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In progress
10. Moderately complicated regression analysis: World exports, total exports, total and various subgroups - fitting of trend, 1950-65 and various subperiods.	Ec. (Singh)	Completed

January 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated regression analysis: Germany and U.S.A. fish meal study - regression analysis with various data	Ec. (Els)	In progress
12. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of trend, 1915-75 and various subperiods.	Ec. (Oury)	In progress
13. Simple calculations and rough charts: Indifference curves relating to price and input earnings, revision of earlier charts	Ec. (Singh)	Completed
14. Simple regression analysis: World's fish meal: trends in production, etc.	Ec. (Ali)	Completed
15. Simple calculations: Ghana Rubber Project - calculations of rate of return	Proj. (Rowe)	Completed
16. Routine checking: Yugoslavia - community of railroads data tables	Proj. (McGunniff)	Completed
17. Complicated analysis: Disbursement patterns of IHRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
18. Simple calculations: Ghana Oil Palm Project - calculations of rate of return	Proj. (Rao)	In progress
19. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guasqui-La-Paz	Proj. (Sander)	On hand
20. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
21. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress

January 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
22. Highly complex data collection: Data on bids and contracts for a sample of IBRD and IDA loans during 1960-66	Proj. (Ripman)	In progress
23. Moderately complex data collection: Guinea Mission - compilation of price series for 12 commodities	Guinea Mission	Completed
24. Simple calculations: Timber exports, 1959-65 data converted from S to Ghana Cedi	Afr. (Hansen)	Completed
25. Moderately complicated tabulation: Trade table for Tanzania, Uganda and Kenya: interterritorial export data 1964-65 in some detail	Afr. (de Wilde)	In progress
26. Simple tabulations: Republic of Central African Mission: up- dating miscellaneous tables	Afr. (Booz)	Completed
27. Moderately complicated regression analysis: Central American countries - imports related to exports, credits, income, population etc.-	W.Hem. (Schmitt)	In progress
28. Simple calculations: Summary tables for Central American Mission	W.Hem. (Kuczynski)	Completed
29. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment - projections, investment by sector and pro- jections	Afr. (Maubouche)	In progress
30. Moderately complex data collection and calculations: Brazil Mission study - data on apparent consumption of a number of commodities (petroleum, rubber, cement, food, etc.) for 1950-64 and calculation of income elasticities	Brazil Mission (Villa- fuerte, Palein)	Completed
31. Moderately complicated regression analysis: USA - imports related to GNP and population, annual and 3 years moving average data 1889 - 1953	HDI (Dominguez)	Completed

Mr. Andrew M. Kamarek

- 6 -

January 18, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
32. Simple calculations: Ethiopia Road Project - calculation of rate of return	Adm. (Eklund)	Completed

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
2. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
3. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Moderately complex computer program to edit and adjust IBRD loan cards received from Treasurer's	Ec. (Statistics)	In progress
5. Complex computer program to project IBRD loans and punch cards for external debt country files	Ec. (Statistics)	In progress
6. Simple program to calculate simple correlations coefficients	Ec. (Oury)	In progress
7. Complex computer program to calculate gross aid requirements, under various repayment provisions, to arrive at a fixed yearly level of net aid.	Asia (Dunn)	In progress

January 18, 1967

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 6 diagrams traced - for book	Ec. (Leon)	Completed
2. Interest rate charts (routine)	Ec. (Goor)	Completed
3. Philippines - rice production and consumption requirements (one chart traced)	Ec. (Westebbe)	Completed
4. 2 educational charts - Nicaragua (completed 2)	Proj. (Germanacos)	Completed
5. 1 construction schedule - Malagasy	Proj. (Stewart)	Completed
6. 1 flow diagram and 1 chart traced - Indus Project	Proj. (Manning)	On hand
7. 8 charts - analysis of the operations of the Project Department	Proj. (Chadenet)	On hand
8. One Iran organization chart	Proj. (Douglas)	Completed
9. One Malagasy construction schedule revised	Proj. (Oltmanns)	Completed
10. One Tunisia organization chart revised	Proj. (Goffin)	Completed
12. One Nicaragua educational project	Proj. (Thint)	Completed
13. 5 educational diagrams (work stopped)	Central Am. Mission(Guerra)	In progress

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards.

INTERNAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO BRAZZAVILLE - December 31, 1966	Boon	In progress
GUINEA - June 30, 1966		Completed
IVORY COAST - June 30, 1966	Nespoulous-Neuville	Completed
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - December 31, 1965		In progress
MOROCCO - June 30, 1966	Edelman	Completed
RHODESIA - June 30, 1966		In progress
SENEGAL - June 30, 1966		In progress
SIERRA LEONE - June 30, 1966	Lutolf	In progress
SOMALIA - June 30, 1966 (new)		In progress
UDAN - June 30, 1966		In progress
SWAZILAND - June 30, 1966		In progress
TUNISIA - June 30, 1966; Dec. 31, 1965	Edelman	Completed
ZAMBIA - June 30, 1966	Bruse	In progress
<u>ASIA</u>		
CHINA - June 30, 1966		In progress
Ceylon - December 31, 1965		In progress
IRAN - March 31, 1966	Hablutzel	Completed
JAPAN - June 30, 1966		Completed
KOREA - June 30, 1966 (new)		In progress
MALAYSIA - June 30, 1966		In progress
PAKISTAN - June 30, 1966		In progress
PHILIPPINES - June 30, 1966		Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		Completed
FINLAND - June 30, 1966		Completed
GREECE - June 30, 1966		In progress
ISRAEL - Dec. 31, 1965; June 30, 1966		In progress
ITALY - June 30, 1966	Schaad	In progress
NORWAY - June 30, 1966; Dec. 31, 1965 (rev.)		In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
ECUADOR - June 30, 1966 (new)		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
PANAMA - June 30, 1966	Ross	In progress
PARAGUAY - June 30, 1966	Eory	In progress
PERU - Dec. 31, 1965; June 30, 1965	Wyss	In abeyance
VENEZUELA - June 30, 1966		In progress

Statistics Division  
IBRD-Economics Department  
January 18, 1967

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A.M. Kamarck

January 16, 1967

Paolo Leon

Progress Report - January 1-15

P. de Fontenay: Moroccan mission.

- V. Dubey:
- (a) Memo on the export experience of LDCs and the UN projections;
  - (b) Memo on Maisel's study of the overseas sterling area;
  - (c) memo on the export performance of LDCs;
  - (d) attended meeting with Mr. Goor on the collection of data on and from LDCs;
  - (e) worked on revising "Import Substitution: Conceptual Issues";
  - (f) collected background material for GATT Meeting at Punta del Este;
  - (g) attended meeting on Prof. Balassa's research proposal.

- A. Karaosmanoğlu:
- (a) Worked on Tunisia debt exercise;
  - (b) prepared a note on the Bank's attitude on Consultative Groups towards the Terms of Lending;
  - (c) participated in a meeting on Indian debt exercise;
  - (d) gave a seminar on "Cost of Aid" at Vanderbilt University;
  - (e) prepared the updated version of a note on rescheduling of external debt for UNCTAD (with Mr. Pfeffermann's help);
  - (f) wrote a memo on a telephone conversation I had with Mr. Toren of UNCTAD on the figures regarding the flow of suppliers credits.

- G. Pfeffermann:
- (a) Worked on the updating of a study on debt rescheduling exercises and presented a draft which includes the most recent cases of debt rescheduling;
  - (b) participated in the Tunisian external debt projection exercise;
  - (c) prepared tables on per capita receipts of aid in each of the developing countries and ran through some exercises connected with the question of aid per capita.

- B. Rao:
- (a) Wrote a note on Woetzel's proposal for an International Development Fund;
  - (b) handled an enquiry from Mr. Malinowski of UNCTAD;
  - (c) replied to Mr. Dosser of the Joint Coffee Study;
  - (d) continued work on paper on Debt-DAC data reconciliation.

- P. Leon:
- (a) Tunisia: long-term debt projections
  - (b) memorandum on a statement to the Central American Economic Council on supplementary financial measures;
  - (c) memorandum summarizing a paper on capital markets by the OECD;
  - (d) Algeria mission work.

Cc: Mr. B. de Vries  
Mr. G. Kalmanoff

cc. Dept. East.

Mr. Andrew M. Kamarek

January 16, 1967

Stanley Please

Report on the activities of the Domestic Development Finance Division  
-- January 2 - 13, 1967.

1. Research Mission to Brazil - Messrs. Christoffersen, Holsen, Comiez, and Sciolti have been preparing their report on problems of development financing in Brazil.

2. Country Economic Missions

Mr. Beier has been completing his report for the economic mission to Iran and undertaking some preparatory work in connection with the forthcoming economic mission to Pakistan of which he is a member.

Mr. Churchill has been preparing his report for the economic mission to Guinea and since January 9 has, under short notice, accompanied an economic mission to Colombia which is due to return in the next few days.

Mr. Please has been preparing his report for the economic mission to India.

SPlease:lo

cc: Mr. de Vries, Economics Department

Mr. Andrew M. Kamarek

January 16, 1967

Bertil Walstedt

Principal Activities of Industrialization Group - January 1-15, 1967

- Walstedt:- General Supervision;  
Note for Mr. Benjamin King on Import Projections, Spanish Report;  
Industrial Protection Study:  
- Report on European Mission submitted;  
- Review of El Darwish report on automotive sector;  
- Summary of findings on heavy electrical equipment;  
- Draft final report on heavy mechanical equipment - Work proceeding.
- Baranson:- Industrial Protection Study:  
- Draft final report on automotive industry - Work proceeding.
- Bhatia:- Industrial Protection Study:  
- Report on heavy mechanical equipment;  
- Note on relationship between Industrial Protection Study and Bank's "Domestic Preference" problem (discussion with International Development Finance Division).
- Gilingiroglu:- Draft outline of proposed fertilizer industry study;  
Industrial Protection Study:  
- Draft final report on heavy electrical equipment - Work proceeding.
- Datas:- Industrial Protection Study:  
- Report on heavy mechanical equipment - Work proceeding.
- Guillet:- Completing Tunisian Report.
- Villela:- Continuing work on Ethiopian Report;  
Preparing for Mission to Pakistan.
- Harahap:- Industrial Protection Study:  
- Study of production figures for ball bearings by countries.
- May:- Industrial Protection Study:  
- Production and trade figures on machinery.

cc: Messrs. de Vries, Sadove, King/Sacchetti  
Industrialization Group

BW:hbb

Mr. Andrew M. Kamarck

January 9, 1967

Charles G. Geor

Progress Report of Statistics Division  
for the period December 16 - 31, 1966.

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA								
Date	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	5	14(5)	1	7	2	15(1)	1	7
Dec. 31, 1966	-	1(1)	-	-	-	-	-	-
June 30, 1966	4/1	11(4)	1	5	2/1	11/1 (1)	1	6
Mar. 31, 1966	-	-	-	1	-	-	-	-
Dec. 31, 1965	1/1	2/1	1	11	-	3/1	-	1
June 30, 1965	-	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( ) = number of countries started during period; /1 = includes 1 revision.

Work	Requested by	Status
2. All countries - checking IBRD information for Programming Section	Economics	Completed
3. Special schedule on Guinea loan	Economics	Completed
4. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
5. Complicated data research: various types of commercial credits	Economics	In progress
6. Congo Brazzaville - estimate of debt outstanding as of 12/31/66	Afr. (Booz)	Completed
7. Cameroon - routine preparation of amortization schedule for proposed IBRD loan	Afr. (Petretti)	Completed
8. Central African Republic - examination of debt material	Afr. (Booz)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Morocco - routine preparation of memorandum on debt submission as of 6/30/66	Afr. (Edelman)	Completed
10. Tunisia - examination of debt reports from IBRD mission to Tunisia	Afr. (Edelman)	In progress
11. Algeria - discussion w/ Algerian delegate on problems of Algerian debt reporting	Afr.	Completed
12. Senegal - routine preparation of amortization schedule for proposed IBRD loan	Afr. (Petretti)	Completed
13. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress
14. India - preparation of payments due on insured and guaranteed credits as of Dec. 31, 1960-65	Asia	In progress
15. Pakistan - historical table on service payments 1960-1966	Asia (Martin)	Completed
16. India - preparation of moderately complex debt tables showing estimated future total amounts outstanding, disbursements, debt service, and net aid from all creditors from the Fourth through the Eighth Plans	Asia (Katz)	In progress
17. Yugoslavia - estimation of debt outstanding as of 12/31/65	Europe-M.E. (Simmons)	In progress

**B. GENERAL STATISTICS**

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In abeyance
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Water consumption in urban areas of various countries - cross section study of consumption related to income, population, weather and other variables.	Ec. (Meroz)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Simple calculations: IBRD Index - calculations of new weights for comparison with old index	Ec. (Singh)	In progress
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In abeyance
8. Simple calculations: IDA financing study	Ec. (Hulley)	Completed
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins, Carter) Afr. (Bruce)	In progress
10. Moderately complicated regression analysis: World exports, total exports, total and various subgroups - fitting of trend, 1950-65 and various subperiods.	Ec. (Singh)	In progress

January 9, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated regression analysis: West Pakistan - cotton yield - fitting of trend, 1915-75 and various subperiods.	Ec. (Oury)	Completed
12. Simple calculations and rough charts for indifference curves relating to price and input earnings	Ec. (Singh)	Completed
13. Simple data collection: Import data of soybeans, groundnuts etc. for seven European countries in recent years	Ec. (Els)	Completed
14. Simple calculations: Ghana Rubber Project - calculations of rate of return	Proj. (Rowe)	In progress
15. Simple calculations: Sudan Land Clearance - calculations of rate of return	Proj. (Walden)	Completed
16. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
17. Graphic work - SER Diesel Haulage and SER Electric Haulage rough charts	Proj. (Thalwitz)	Completed
18. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost esti- mates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., cen- tral ry., lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
19. Highly technical statistical analysis: Optimum cost model of an educational pro- ject	Proj. (Hultin)	In abeyance
20. Moderately complicated calculations: Indus Basin study - calculation of pro- duction value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Highly complex data collection: Data on bids and contracts for a sample of IBRD and IDA loans during 1960-66	Proj. (Ripman)	In progress
22. Routine checking: Yugoslavia - appraisal of second Highway Project	Proj. (Hughes)	Completed
23. Routine checking: Cameroon Development Corporation tables	Proj. (Nelson)	Completed
24. Design of questionnaire: Technical cooperation and related activi- ties: Questionnaire to gather information from LDC's.	Pres. Off. (Kochav)	Completed
25. Simple calculations: Brazil - estimation of interest, payments, assets and rate of growth	W.Hem. (Lerdau)	Completed
26. Moderately complicated regression analysis: Central American countries - imports related to exports, credits, income, population etc.	W.Hem. (Schmitt)	In progress
27. Simple calculations: Construction of debt table	W.Hem. (Lerdau)	Completed
28. Simple calculations: Summary tables for Central American Mission	W.Hem. (Kuczynski)	In progress
29. Moderately complex calculations: Tunisian Mission - imports, exports, value and volume projections - Balance of payment - projections, investment by sector and pro- jections	Afr. (Maubouche)	In progress
30. Moderately complex data collection and calculations: Brazil mission study - data on apparent consumption of a number of commodities (petroleum, rubber, cement, food, etc.) for 1950-64 and calculation of income elasticities	Brazil Mission (Villafuerte, fuerte, Palein)	In progress

January 9, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
31. Moderately complicated regression analysis: USA - import related to GNP and population, of annual and 3 years moving average data 1889 - 1953	EDI (Dominguez)	In progress
32. Simple calculations: Ethiopia Road Project - calculation of rate of return	Adm. (Eklund)	In progress

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complex computer program: To prepare data on IERD loan disbursements	Proj. (Chadenet)	In progress
2. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
3. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Moderately complex computer program to edit and adjust IERD loan cards received from Treasurer's	Ec. (Statistics)	In progress
5. Complex computer program to project IERD loans and punch cards for external debt country files	Ec. (Statistics)	In progress
6. Simple computer program to print present value tables	Ec. (de Weille)	Completed
7. Complex computer program to calculate gross aid requirements, under various repayment provisions, to arrive at a fixed yearly level of net aid.	Asia (Dum)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 6 revised charts and 2 new charts for Indus Special Study	Proj. (Luhman)	Completed
2. 5 charts - India Wholesale Prices	Proj. (Van Nisnen)	Completed
3. One Malawi construction schedule	Proj. (Kulsky)	Completed
4. Nicaragua - 1 educational organization chart	Proj. (Germanicos)	Completed
5. Redrawing of 3 charts for IERD Lending Rate and Total Borrowing	Pres. Off. (Rist)	Completed
6. Sketch for Organization chart of the Economics Department	Ec. (Kamarok)	Completed
7. 1 chart for Afghanistan - External Public Debt Projections	Asia (Abadian)	Completed
8. 2 charts for Iran - Balance of Payments and Indices	Asia (Hablutzel)	Completed

E. CONTINUING- EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ALGERIA - December 31, 1965 (rev.)	Lari	Completed
CONGO BRAZZAVILLE - December 31, 1966 (new)	Boos	In progress
EACSO - June 30, 1966		Completed
GUINEA - June 30, 1966 (new)		In progress
IVORY COAST - June 30, 1966 (new)	Nespolous-Newville	In progress
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - December 31, 1965		In progress
MALAWI - June 30, 1966 (rev.)		Completed
MOROCCO - June 30, 1966	Edelman	In progress
NIGERIA - June 30, 1966	Billington	Completed
RODESIDA - June 30, 1966		In progress
SENEGAL - June 30, 1966		In progress
SIERRA LEONE - June 30, 1966	Lutolf	In progress
SUDAN - June 30, 1966 (new)		In progress
SWAZILAND - June 30, 1966 (new)		In progress
TUNISIA - June 30, 1966		In progress
UGANDA - June 30, 1966		Completed
ZAMBIA - June 30, 1966	Bruce	In progress
<u>ASIA</u>		
AUSTRALIA - June 30, 1966		Completed
CHINA - June 30, 1966		In progress
CEYLON - December 31, 1965		In progress
IRAN - March 31, 1966	Merat	In progress
JAPAN - June 30, 1966		In progress
MALAYSIA - June 30, 1966		In progress
PAKISTAN - June 30, 1966		In progress
PHILIPPINES - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
BELGIUM - June 30, 1966	Hornstein	Completed
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
GREECE - June 30, 1966		In progress
ICELAND - June 30, 1966 (rev.)	Schick	Completed
ISRAEL - December 31, 1965		In progress
ITALY - June 30, 1966	Schaad	In progress
NORWAY - June 30, 1966; Dec. 31, 1965 (rev.)		In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966		In progress
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
MEXICO - June 30, 1966		Completed
PANAMA - June 30, 1966	Ross	In progress
PARAGUAY - June 30, 1966		In progress
PERU - June 30 & Dec. 31, 1965	Wyss	In abeyance
VENEZUELA - June 30, 1966		In progress

Statistics Division  
IBRD-Economics Department  
January 9, 1967

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)/

Mr. A.M. Kamarek

January 4, 1967

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for Two-week Period Ending December 31, 1966

- E.K. Hawkins
- Preparation of back-to-office report on Malaysia.
  - Redrafting of capital requirements paper.
  - Review of consultant's proposal for a model of the world rubber market.
- A. Elsaas
- Preparation of theoretical paper, with numerical application to India, of relationships between the growth, the timing of investments and gestation periods.
  - (Prepared for use by the Bell Mission and being redrafted for distribution as a departmental discussion paper. )
- R.J. Niebuhr
- Preparation of back-to-office report on Malaysia.
  - Annual leave.
- J.C. Liu
- Preparation of paper for, and attendance at the American Economic Association's Annual Convention.
- N.G. Carter
- Review of material collected on mission.
  - Preparation of revised national accounts and other statistics for Uganda and drafting of report.
  - Sensitivity analysis of East Africa model (with A. Kundu).
  - Preliminary work on re-estimation of East Africa model.
- K. Krishnamurty
- Joined the Division on December 19th.

EKHawkins/w

cc: Messrs. de Vries, Elsaas, Niebuhr, Liu, Carter and Krishnamurty

# STATUS OF MAJOR STUDIES

	<u>Subject</u>	<u>Estimated dates for the completion of the different stages</u>		
		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsaas*	<u>Study of Indian Planning Models.</u>	Complete.	Not Complete	January - February 1967.
H.O. Carter/ E.K. Hawkins/ A. Kundu	<u>Econometric Models for Kenya, Uganda and Tanzania</u>	Complete	Field work completed. Reestimation underway	March - May 1967
E.K. Hawkins Consultant - Mr. Marshall Hall	<u>Econometric Model for Jamaica</u>	Complete	October 1966 to March 1967.	April - September 1967
J.C. Liu	<u>Econometric Model for Brazil</u>	Complete	October 1966 to March 1967	First draft for discussion planned for end of June, 1967.
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	October 1966 to March 1967	April - June 1967.

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models re-worked and re-estimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

\* The stages detailed above do not apply to this project since this does not involve the estimation of an econometric model.

Mr. Andrew M. Kamarch

December 30, 1966

Bertil Walstedt

Principal Activities of Industrialization Group - December 16-30, 1966

- Walstedt: General Supervision;  
Industrial Protection Study:  
- European Report on Heavy Mechanical Equipment;  
- Outlines for Industry Monographs;  
Note on Prospects for Manufacturing Exports in Developing Countries;  
Meeting with Leon and de Fontenay on relationship between Industrial Protection Study and Bank's "Domestic Preference" Problem.
- Baranson: Industrial Protection Study:  
- Field notes on European Mission;  
- Outline for Final Report on Automotive Industry.
- Bhatia: Industrial Protection Study:  
- Report on Heavy Mechanical Equipment;  
- Separate note on Indian Experience (based on European interviews).
- Cilingiroglu: Industrial Protection Study:  
- Outline for Final Report on Heavy Electrical Equipment;  
- Completing Field Notes on European Mission;  
- Completion Back-to-Office Report on Heavy Electrical Equipment Industry (European Interviews).
- Datas: Industrial Protection Study:  
- Report on Heavy Mechanical Equipment;  
- Separate note on Spanish Experience (for the European Department);  
Brief note on the Mexican Mechanical Equipment Industry (information promised to Mr. Rafael Izquierdo, Head of the Joint Economic Staff of the Ministry of Finance and de Banco de Mexico, in agreement with Area Department).
- Guillot: Continuing work on Tunisian Report;  
Revamping Algerian Report according to findings of last Mission.
- Villela: Note for Mr. Kochav regarding Ethiopian Mission.
- Miss Harahap: Industrial Protection Study:  
- Preparation of Tables for 20 Countries Regarding Tariffs on Heavy Electrical Equipment.
- Miss May: Industrial Protection Study:  
- Production and Trade Figures on Machinery.

cc: Messrs. de Vries, Collier, King/Sacchetti  
Industrialization Group

EW:hbb

Mr. A.M. Kamarck

December 30, 1966

Paolo Leon

Progress Report - December 15-30

Vinod Dubey:

During this period I have completed a draft reply to UNCTAD on Regional Economic Co-operation. I am also organizing background material for the GATT Committee on Trade and Development meeting in January.

Patrick de Fontenay:

Mission to Morocco.

Attila Karaosmanoğlu:

- (a) Prepared a draft note on the model to be used in Tunisian Debt Study, attended several meetings related to the preparation of the study;
- (b) worked on the updating of the study on Debt Rescheduling Operations;
- (c) wrote a memo on a DAC study titled "Quantitative Models as an Aid to Development Assistance Policy";
- (d) prepared a draft for a letter to UNCTAD commenting on their debt projections exercise;
- (e) attended a meeting with Professor Alibur concerning a study on the history of devaluations.

Badri Rao:

- (a) Memorandum on present status of some aspects of U.S. development loan assistance;
- (b) discussed with Commerce Department above for clarification;
- (c) Revising a paper on comparability of capital flow data; should be completed by first week of January;
- (d) replied to Battelle Institute on their "tourism" proposal; and continued review of available material on tourism.

Paolo Leon:

Commented on Mr. Bittermann's paper;  
Commented on Mr. Meiselman's paper;  
participated in discussions on Tunisian long-term debt models and Algeria mission work;  
general supervision.

pl/jb

cc: Mr. B. de Vries

Es. Dept -  
P.R.

Mr. Andrew M. Kamarek

December 20, 1966

Charles G. Goor

*CLG*

Progress Report of Statistics Division  
for the period December 1 - 15, 1966.

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	2	14	1	8	1	16(1)	1(1)	8(2)
Sept. 30, 1966	-	-	1	-	-	-	-	-
June 30, 1966	2	11/1	-	6	-	12/1 (1)	1(1)	7(2)
Mar. 31, 1966	-	-	-	1	-	-	-	-
Dec. 31, 1965	-	3/1	-	1	1	3/1	-	1
June 30, 1965	-	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( ) = number of countries started during period; /1 = includes 1 revision;

Work	Requested by	Status
2. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
3. Complicated data research: various types of commercial credits	Economics	In progress
4. Tunisia - routine preparation of amortization schedule for proposed IBRD loan	Afr. (Petretti)	Completed
5. Sierra Leone - checking external debt submission for 12/31/65 and 6/30/66	Afr. (Ream)	Completed
6. Central African Republic - examination of debt material	Afr. (Booz)	In progress
7. Routine preparation of amortization schedules and discounting service payments	Afr.	Completed
8. Tunisia - examination of debt reports from IBRD mission to Tunisia	Afr. (Edelman)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress
10. India - preparation of payments due on insured and guaranteed credits as of Dec. 31, 1960-65	Asia	In progress
11. Iran - routine preparation of data for Staff Loan Committee chart showing IBRD net investments and commitments	Asia (Merat)	Completed
12. India - preparation of moderately complex debt tables showing estimated future total amounts outstanding, disbursements, debt services, and net aid from all creditors from the Fourth through the Eighth Plans	Asia (Katz)	In progress
13. Ceylon - routine preparation of amortization schedule for proposed IBRD loan	Asia (Humphrey)	Completed
14. Venezuela - preparation of preliminary debt table showing amount outstanding as of June 30, 1966	W.Hem. (Zinman)	Completed
15. Venezuela - routine preparation of amortization schedule for proposed IBRD loan	W.Hem. (	Completed
16. Yugoslavia - estimation of debt outstanding as of 12/31/65	Europe-M.E. (Simmons)	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (See Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Water consumption in urban areas of various countries - cross section study of consumption related to income, population, weather and other variables.	Ec. (Meroz)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In abeyance
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Complicated data search: Export and import of mechanical equipment in detail for 1965, total and per capita, for Argentina, Brazil, Mexico, Pakistan and Spain	Ec. (Walstedt)	Completed
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment, etc.	Ec. (Liu)	In abeyance
8. <del>Simple calculations:</del> IDA financing study	Ec. (Hulley)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins)/ Afr. (Bruce)	In progress

December 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated tabulation: Central African Republic - revision and updating of budgets.-	Afr. (Booz)	Completed
11. Simple computer program: Sudan Land Clearance Project - rate of return calculations	Proj. (Nelson)	Completed
12. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
13. Routine arithmetic checking: 1) Cameroon Development Project tables 2) Western Highway Paving Project appraisal report	Proj. (Walden/Soges)	Completed
14. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
15. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
16. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
17. Moderately complex data collection: Data on bids and contracts for a sample of IBRD loans during 1960-66	Proj. (Ripman)	In progress
18. Moderately complicated calculations: Tuna fishing study @ calculation of negative rate of return for two cost-benefit (loss) streams	Proj. (Helmers)	Completed
19. Design of questionnaires and related activities: Technical cooperation and related activities: Questionnaire to gather information from LDC's. Pres.Off.(Kochav)		In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated regression analysis: Central American countries - imports related to exports, credits, income, population etc.	W.Hem. (Schmitt)	In progress
21. Moderately complex data collection and calculations: Brazil mission study - data on apparent consumption of a number of commodities (petroleum, rubber, cement, food, etc.) for 1950-64 and calculation of income elasticities	Brazil Mission(Villafuerte)	In progress
22. Simple calculations: India - production and consumption of food grains 1950-1965: fitting linear trends	India Mission(Van Nimmen)	Completed
23. Simple calculations: Brazil - real wage indices	Brazil Mission(Lerdau)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
2. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
3. Moderately complex computer program for livestock development model	Proj. (Picciotto)	Completed
4. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
5. Moderately complex computer program to edit and adjust IBRD loan cards received from Treasurer's	Ec. (Statistics)	In progress
6. Complex computer program to project IBRD loans and punch cards for external debt country files	Ec. (Statistics)	In progress
7. Simple computer program to calculate and produce matrix element cards for the linear program used by the Indus Basin Agricultural Project	Proj. (Vergin)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Yugoslavia - one organization chart	Proj. (Alexander)	Completed
2. 5 charts - India Wholesale Prices	Proj. (Van Nissen)	In progress
3. Sudan - 1 organization chart - revised	Proj. (Nelson)	Completed
4. Ceylon - 1 organization chart	Proj. (Helmers)	Completed
5. 3 charts - IBRD lending rate, etc. and total borrowing	Pres.Off. (Rist)	Completed
6. Charts for the "Commodity Problem" report	Pres. Off.(Avramovic)	Completed
7. Display chart project	Pres.Off. (Friedman)	On hand
8. Interest rate charts	Ec. (Goor)	Completed
9. Pakistan chart	IFC (Oberdorfer)	Completed
10. 3 charts - Peru weighted average terms of loans contracted in 1963-64	W.Hen. (Wyss)	Completed
11. Iran - 1 L.C. chart	Asia (Marat)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
7. Preparation of current data on yields of IBRD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IBRD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King  
CGGoor/ms

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ALGERIA - December 31, 1965 (rev.)	Lari	In progress
EACSO - June 30, 1966		In progress
GUYANA - June 30, 1966		Completed
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - December 31, 1965		In progress
MALAWI - June 30, 1966 (rev.)		In progress
MOROCCO - June 30, 1966	Edelman	In progress
NIGERIA - June 30, 1966	Billington	In progress
RHODESIA - June 30, 1966		In progress
SENEGAL - June 30, 1966		In progress
SIERRA LEONE - June 30, 1966	Lutolf	In progress
TANZANIA - June 30, 1966		Completed
TUNISIA - June 30, 1966		In progress
UGANDA - June 30, 1966		In progress
ZAMBIA - June 30, 1966	Bruce	In progress
<u>ASIA</u>		
AFGHANISTAN - Sept. 30, 1966	Abadian	Completed
AUSTRALIA - June 30, 1966		In progress
CHINA - June 30, 1966		In progress
CEYLON - December 31, 1965		In progress
IRAN - March 31, 1966	Merat	In progress
JAPAN - June 30, 1966		In progress
MALAYSIA - June 30, 1966		In progress
PAKISTAN - June 30, 1966		In progress
PHILIPPINES - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
BELGIUM - June 30, 1966	Hornstein	In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
GREECE - June 30, 1966(new)		In progress
ICELAND - June 30, 1966 (rev.)	Schick	In progress
ISRAEL - December 31, 1965		In progress
NORWAY - June 30, 1966; Dec. 31, 1965(rev.)		In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress
YUGOSLAVIA - December 31, 1965	Simmons	Completed

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966 (new)		In progress
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
MEXICO - June 30, 1966		In progress
PANAMA - June 30, 1966	Ross	In progress
PARAGUAY - June 30, 1966 (new)		In progress
PERU - June 30 & Dec. 31, 1965	Wyss	In abeyance
VENEZUELA - June 30, 1966		In progress

Statistics Division  
 IERD-Economics Department  
 December 20, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A.M. Kamsrck

December 16, 1966

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Period November - December 15, 1966

- E.K. Hawkins
- Consideration of possible revisions to capital requirements paper in preparation for sub-committee meeting.
  - Further work on econometric model for Jamaica and review of work underway on the East Africa model.
  - Preparation for research mission to Malaysia.
  - On mission to Malaysia - November 15th to December 16th.
- A. Elsas
- Returned from Economic Mission to India.
  - Preparation of back-to-office report and contribution to general mission report.
- R.J. Niebuhr
- Continued work on econometric model for Malaysia including field work in Malaysia from November 14th to December 16th.
- J. C. Liu
- Preparation of paper for the American Economic Association.
  - Further work on econometric model for Brazil.
- N.G. Carter
- On mission to East Africa. Returned to the Bank on December 8th.

This report covers an extended period owing to the absence of the Acting Division Chief from the Bank on a mission.

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu and Carter

Mr. Andrew M. Kassarck

December 15, 1966

Bertil Walstedt

Principal Activities of Industrialization Group - December 1-15, 1966

Walstedt: General Supervision;  
Industrial Protection Study - European Report on Heavy  
Mechanical Equipment;  
Review of Central American Common Market Industrial Report;  
Participation in Seminar on Industrial Research focussed  
on Latin America and sponsored by National Academy of  
Sciences.

Baranson: Preparation of European Report on Automotive Industry

Rhatia: Report on Heavy Mechanical Equipment;  
Separate note on Indian experience (based on European  
interviews).

Cilingiroglu: Preparation of European Report on Heavy Electrical Equipment;  
Short note with respect to the use of consultants in projects  
financed by the Bank (inspired, in part, by comments heard  
during recent European Mission);  
Review of Central American Common Market Industrial Report;  
Review of study "The Industrial Development of the Elazig-  
Keban Region" (prepared by applicant for a position with  
the Bank).

Datas: Industrial Protection Study: Heavy Mechanical Equipment;  
Also some notes on the Indian experience in this sector.

Guillet: Continuing work on the Tunisian Report and revamping the  
Algerian report according to findings of the last Mission.

Villala: Participation in Economic Mission to Ethiopia.  
Due to return December 19.

Miss Harahan: Study of consumption of ball bearings, by countries, as an  
index of the development of engineering industries.

Miss May: Production and trade figures on machinery for the Industrial  
Protection Study.

cc: Messrs. de Vries, Collier, King/Sacchetti  
Industrialization Group.

*McK*  
B. Webb

Ec. Dept. Sect.  
P.R.

Mr. Andrew M. Kamarok

December 5, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period November 16 - 30, 1966

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	2(1)	14(5)	-	9(3)	-	16	3	6(1)
Sept. 30, 1966	-	-	-	1(1)	-	-	-	-
June 30, 1966	1	12(5)	-	6(1)	-	11/1	2	5(1)
Mar. 31, 1966	-	-	-	1(1)	-	-	-	-
Dec. 31, 1965	1(1)	2	-	1	-	4/1	1/1	1
June 30, 1965	-	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( ) = number of countries started during period; 1 = includes 1 revision.

Work	Requested by	Status
2. IERD loan checks 1961-66	Economics	Completed
3. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
4. Complicated data research: various types of commercial credits	Economics	In progress
5. Special historical check on bonds	Ec. (Paulson)	Completed
6. Spain - cleaning and typing debt cards	Economics Overhead	In progress
7. Mauritius - cleaning and typing debt cards	Economics Overhead	Completed
8. Tunisia - preparation of list of debts contracted after December 31, 1965	Africa	Completed
9. Sierra Leone: checking external debt submission for 12/31/65 and 6/30/66	Afr. (Ream)	In progress

December 5, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Sudan - amortization schedule for proposed IERD loan	Afr. (Halbe)	Completed
11. Sierra Leone - technical memorandum	Afr. (Lutolf)	Completed
12. Tunisia - examination of debt reports from IERD mission to Tunisia	Afr. (Edelman)	In progress
13. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress
14. India - preparation of payments due on unissued and guaranteed credits as of Dec. 31, 1960-65	Asia	In progress
15. Iran - routine preparation of data for Staff Loan Committee chart showing IERD net investments and commitments	Asia	In progress
16. Peru - compilation of data for charts showing total service payments due as of December 31, 1963 through 1965 and weighted average terms of loans granted in 1963 and 1964	W. Hem. (Wyss)	Completed
17. Guatemala - routine preparation of amortization schedule for proposed IERD loan	W. Hem.	Completed
18. Jamaica - routine preparation of amortization schedule for proposed IERD loan	W. Hem. (Kuriyama)	Completed
19. Trinidad - routine preparation of amortization schedule for proposed IERD loan	W. Hem. (Kuriyama)	Completed
20. Yugoslavia - special tables on external debt breakdown by guarantors	Europe-M.E. (Wouters)	Completed
21. Yugoslavia - estimation of debt outstanding as of 12/31/65	Europe-M.E. (Simons)	In progress
22. Norway - preparation of memo on external debt as of 6/66	Europe-M.E. (Hornstein)	Completed
23. Iceland - preparation of memo on external debt as of 6/66	Europe-M.E. (Hornstein)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Industrial protection study - Argentina, Spain and Brazil - interrelationships of imports, production, time, etc.	Ec. (de Fontenay)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Complicated data search: Export and import of mechanical equipment in detail for 1965, total and per capita, for Argentina, Brazil, Mexico, Pakistan and Spain	Ec. (Walstedt)	In progress
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc.	Ec. (Liu)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins/ Afr. (Bruce)	In progress
9. Simple calculations: Tuna fish imports and catch in U.S. - trend lines	Ec. (Ali)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis: Supplementary financing study - trends of import and manufactured exports unit values for a large number of countries for 1954-65	Ec. (Macone)	Completed
11. Moderately complex regression analysis: Olive oil production in 8 European countries - trends and forecasts 1947-1975	Ec. (Els)	Completed
12. Simple calculation: Tea price series - North India and Kenya, deflated by Sanerbeck index	Ec. (Ali)	Completed
13. Simple calculations: Castor oil production, exports and prices - trend lines	Ec. (Els)	Completed
14. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
15. Routine checking: i) Uganda road project ii) Kenya road project	Proj. (Malik)	Completed
16. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guasqui-La-Paz	Proj. (Sander)	On hand
17. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
18. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
19. Moderately complex data collection: Data on bids and contracts for a sample of IBRD loans during 1960-66	Proj. (Ripman)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Technical cooperation and related activities: Questionnaire to gather information from LDC's.	Pres.Off. (Kochav)	In progress
21. Moderately complicated tabulation: IDB loans by source of funds and purpose, 1961 - August 1966	W. Hem. (Lenfant)	Completed
22. Simple tabulation: IBRD-IDA number of loans by purpose, 1961 - August 1966	W. Hem. (Lenfant)	Completed
23. Simple calculations: Argentina - calculations involving recent cost-of-living, indices and some foreign exchange rate conversions	W. Hem. (Ross)	Completed
24. Moderately complicated data search: IBRD disbursements to Westinghouse during 1960 - 1966	Info. (Moore)	Completed
25. Moderately complex data collection and calculations: Brazil mission study - data of apparent consumption of a number of commodities (petroleum, rubber, cement, food, etc.) for 1950-64 and calculation of income elasticities	Brazil Mission(Villafuerte)	In progress
26. Moderately complicated data search: Cement consumption in various countries in recent years.	Asia (Perkins)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
2. Preparation of a computer program to calculate cash flows	Proj. (Ryman)	In abeyance
3. Moderately complex computer program for livestock development model	Proj. (Picciotto)	In progress
4. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Ec. (Statistics)	In progress
5. Moderately complex computer program to edit and adjust IBRD loan cards received from Treasurer's	Ec. (Statistics)	In progress
6. Complex computer program to project IBRD loans and punch cards for external debt country files	Ec. (Statistics)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPHICS</u>		
1. 12 charts for Indus Special Study	Proj. (Luhman)	Completed
2. Guatemala - 1 capacity and demand chart	Proj. (Beach)	Completed
3. Nickel study charts	IFC (Meier)	Completed
4. Display chart project	Pres.Off. (Friedman)	On hand
5. One chart on Castor beans	Ec. (Elz)	Completed
6. 2 charts Brazil: cost of domestic production and saving	Ec. (Gilingiroglu)	Completed
7. Chart sketch of net flow of capital to less-developed countries and 2 other sketches	Ec. (Kamarck)	Completed
8. 3 charts - Peru weighted average terms of loans contracted in 1963-64	W. Hem. (Wyss)	In progress
9. 4 charts - Niger-French version	Afr. (de Wilde)	Completed
10. Guyana - 1 organization chart	Guyana Mission (Prentice)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Index.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
BATSWANA - June 30, 1966 (new)		Completed
EACSO - June 30, 1966		In progress
GUYANA - June 30, 1966		In progress
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - December 31, 1965		In progress
MOROCCO - June 30, 1966	Edelman	In progress
NIGERIA - June 30, 1966	Billington	In progress
RHODESIA - June 30, 1966		In progress
SENEGAL - June 30, 1966		In progress
SIERRA LEONA - June 30, 1966 (new)	Lutolf	In progress
TANZANIA - June 30, 1966		In progress
TUNISIA - June 30, 1966 (new)		In progress
UGANDA - June 30, 1966 (new)		In progress
ZAMBIA - June 30, 1966;	Bruce	In progress
December 31, 1965	Bruce	Completed
<u>ASIA</u>		
AFGHANISTAN - Sept. 30, 1966 (new)	Abadian	In progress
AUSTRALIA - June 30, 1966		In progress
CHINA - June 30, 1966		In progress
CEYLON - December 31, 1965		In progress
IRAN - March 31, 1966 (new)	Marat	In progress
JAPAN - June 30, 1966		In progress
MALAYSIA - June 30, 1966 (new)		In progress
PAKISTAN - June 30, 1966		In progress
PHILIPPINES - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
BELGIUM - June 30, 1966	Hornstein	In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
ICELAND - June 30, 1966 (rev.)	Schick	In progress
ISRAEL - December, 1965		In progress
NORWAY - June 30, 1966; Dec. 31, 1965 (rev.)		In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
EL SALVADOR - June 30, 1966		In progress
GUATEMALA - June 30, 1966		Completed
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
HONDURAS - June 30, 1966	van der Heijden	Completed
MEXICO - June 30, 1966 (new)		In progress
PANAMA - June 30, 1966;	Ross	In progress
December 31, 1965 (rev.)		Completed
PERU - June 30 & Dec. 31, 1965	Wyss	In abeyance
VENEZUELA - June 30, 1966		In progress

Statistics Division  
IBRD-Economics Department  
December 5, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. Andrew M. Kamarck

November 30, 1966

Bertil Walstedt

Principal Activities of Industrialization Group - November 1 - 30, 1966

Walstedt, Baranson, Cilingiroglu and Datas spent most of the month on the European field trip for the Industrial Protection Study, reporting back to work November 18-23, except for Baranson who will be back early next month, after visits to Italy, Yugoslavia and Finland.

Bhatia, having participated in the first half of the European field trip, returned to Washington on November 7 and has been working on the report for the heavy mechanical equipment industry.

Villela left November 13 to participate as the industrial expert on the Economic Mission to Ethiopia.

Guillot left Tunisia where he had participated as the industrial expert on the Economic Mission on November 13. He then spent some time in Algeria for discussion of the report by the Algerian Economic Mission, returning to the office on November 25.

Miss Harahap, our new research assistant, reported for duty on October 31. Unfortunately, because of illness in her family, she had to take leave on November 10 and has just returned to the office today.

Miss May has been carrying out a number of assignments in connection with the Industrial Protection Study.

cc: Messrs. de Vries, Collier, King/Sacchetti  
Industrialization Group

BW:hbb

November 30, 1966

Mr. Andrew M. Kassarok

Bertil Walsstedt

Principal Activities of Industrialization Group - November 1 - 30, 1966

Walsstedt, Baranson, Gillingstrom and Bates spent most of the month on the European field trip for the Industrial Protection Study, reporting back to work November 18-23, except for Baranson who will be back early next month, after visits to Italy, Yugoslavia and Finland.

Bates, having participated in the first half of the European field trip, returned to Washington on November 7 and has been working on the report for the heavy mechanical equipment industry.

Villela left November 13 to participate as the industrial expert on the Economic Mission to Ethiopia.

Gulliot left Tunisia where he had participated as the industrial expert on the Economic Mission on November 13. He then spent some time in Algeria for discussion of the report by the Algerian Economic Mission, returning to the office on November 22.

Miss Harshap, our new research assistant, reported for duty on October 31. Unfortunately, because of illness in her family, she had to take leave on November 10 and has just returned to the office today.

Miss May has been carrying out a number of assignments in connection with the Industrial Protection Study.

cc: Messrs. de Vries, Gullier, King/Sacchetti  
Industrialization Group

BW:hbb

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Co. Dept. Cost.  
P. Rep.

Mr. Andrew M. Kamarck

November 22, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period November 1 - 15, 1966

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	2	10 (2)	2 (1)	6	4 (1)	13	3[1]7	7
June 30, 1966	2	8 (2)	2 (1)	5	4 (1)	9	2[1]7	6
Mar. 31, 1966	-	-	-	-	-	-	-	-
Dec. 31, 1965	-	2	-	1	-	3	1	1
June 30, 1965	-	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( ) = number of countries started during period; [ ] = preliminary.

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Routine coding for computer: Iran - coding of IERD, AID, Exim, on a fiscal basis		Economics	Completed
3. Routine updating of historical tables of all countries to 12/31/65		Economics	In progress
4. Complicated data research: various types of commercial credits		Economics	In progress
5. Guinea - research on all debt outstanding - June 1966		Africa	Completed
6. Sierra Leone: checking external debt submission for 12/31/65 and 6/30/66		Afr. (Ream)	In progress
7. Pakistan - routine preparation of memo- randum on submission as of Dec. 1965		Asia	In progress
8. Panama - routine preparation of table showing loans contracted and disbursed		W.Hem. (Schmitt)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Chile - routine preparation of amortization schedule for proposed IBRD loan	W. Ham.	Completed
10. Yugoslavia - special tables on external debt breakdown by guarantors	Europe-M.E. (Wouters)	In progress
11. Yugoslavia - estimation of debt outstanding as of 12/31/65	Europe-M.E. (Simmons)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demand and supply including computer progress, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complex regression analysis: Industrial protection study - Argentina, Spain and Brazil - interrelationships of imports, production, time etc.	Ec. (de Fontenay)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Gury)	In progress
6. Simple calculations: Oilseeds, oils and fats - world production and export data by detailed commodities from 1955 to 1966 - calculation of annual p.c. changes and conversion from short to metric tons.	Ec. (Elz)	Completed
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc.	Ec. (Liu)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins/ Africa (Bruce)	In progress

- |   |                   |             |
|---|-------------------|-------------|
| 9. Moderately complicated regression analysis:<br>Supplementary financing study - trends of<br>import and manufactured exports unit values<br>for a large number of countries for 1954-65   | Ec. (Maccone)     | In progress |
| 10. Moderately complex regression analysis:<br>Olive oil production in 8 European coun-<br>tries - trends and forecasts 1947-1975   | Eco. (Els)        | In progress |
| 11. Routine checking:<br>China deep sea project report  | Proj. (Walden)    | Completed   |
| 12. Complicated analysis:<br>Disbursement patterns of IERD loans by<br>purpose - regression analysis of data etc.   | Proj. (Chadenet)  | In progress |
| 13. Moderately complicated consolidation of<br>data:<br>Peru - re-classifying data for loan #334 -<br>The Peruvian Corporation Limited: 1963/64<br>to date - traffic statistics, cost esti-<br>mates and expenditures, labor force, Peru<br>and Bolivia income statement, consolidated<br>trial balance, etc. for southern ry., cen-<br>tral ry., lake steamers, Guasqui-La-Paz | Proj. (Sander)    | On hand     |
| 14. Highly technical statistical analysis:<br>Optimum cost model of an educational pro-<br>ject   | Proj. (Hultin)    | In abeyance |
| 15. Moderately complicated calculations:<br>Indus Basin study - calculation of prod-<br>uction value from average, yield, etc.<br>for various regions   | Proj. (Wapenhans) | In progress |
| 16. Moderately complex data collection:<br>Data on bids and contracts for a sample<br>of IERD loans during 1960-66  | Proj. (Ripman)    | In progress |
| 17. Simple calculations:<br>Bolivia Livestock Development Project -<br>miscellaneous calculations on 1964 -<br>June 1966 data   | Proj. (Walden)    | Completed   |
| 18. Simple calculations:<br>Repayment of a loan - annuity and its<br>components (interest and principal)  | Proj. (Knobel)    | Completed   |

- |   |                              |             |
|---|------------------------------|-------------|
| 19. Technical cooperation and related activities:<br>Questionnaire to gather information from LDC's.  | Pres.Off. (Kochav)           | In progress |
| 20. Moderately complex tabulations:<br>IDA operational data for Argentina   | W. Hem. (Ross)               | Completed   |
| 21. Moderately complex tabulation:<br>IBRD, IDA and IDB loans and credits by country and purpose, 1961-Aug. 1966  | W. Hem. (Lenfant)            | Completed   |
| 22. Simple calculations:<br>Ecuador - livestock project (alternative data) repayment schedule (annuities and components)  | Adm. (Lamers)                | Completed   |
| 23. Moderately complicated calculation and tabulation:<br>Central American trade and various other data   | C.Am. Mission (Guerra)       | Completed   |
| 24. Moderately complex data collection and calculations:<br>Brazil mission study - data of apparent consumption of a number of commodities (petroleum, rubber, cement, food, etc.) for 1950-64 and calculation of income elasticities | Brazil Mission (Villafructe) | In progress |
| 25. Routine checking:<br>Dakar Port Appraisal report  | Afr. (de Gryse)              | Completed   |

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IHRD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Ripman)	In abeyance
4. Moderately complex computer program for livestock development model	Proj. (Picciotto)	In progress
5. Moderately complex computer program for East African country model	Afr. (Bruce)	Completed
6. Simple computer program to produce current period debt cards from cards received from Export-Import Bank	Ec. (Statistics)	Completed
7. Moderately complex computer program to edit and adjust IHRD loan cards received from Treasurer's	Ec. (Statistics)	In progress
8. Complex computer program to project IHRD loans and punch cards for external debt country files	Ec. (Statistics)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Ecuador - two organization charts	Proj. (Knobel)	Completed
2. Colombia schedule revised	Proj. (Harna)	Completed
3. Guyana - educational pyramid, organization chart and diagram	Proj. (Lethem)	Completed
4. Guatemala - Highway schedule	Proj. (Schaefer)	Completed
5. Trinidad & Tobago - organization chart	Proj. (Helmers)	Completed
6. Ceylon - organization charts	Proj. (Basoah)	Completed
7. Mexico City - construction schedule	Proj. (Morse)	Completed
8. Mickel study charts	IFC (Meier)	In progress
9. Charts for article for Britannica Yearbook	Pres. Off. (Friedman)	Completed
10. Display chart project	Pres. Off. (Friedman)	On hand
11. Personnel charts	Adm. (Eschenberg)	Completed
12. Index of prices of fats, soils, etc.	Ec. (Els)	Completed
13. Chart sketch of net flow of capital to less-developed countries and 2 other sketches	Ec. (Kamarok)	In progress
14. Madagascar - organization chart	Afr. (Ba)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report.
2. E.D.'s debt tables - preparation of latest report.
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards.
7. Preparation of current data on yields of IERD bonds.
8. Preparation of current data on yields of internal government bonds and stock indices.
9. Maintenance of debt files.
10. Highly technical drafting of manual of instructions for treatment and processing of external debt.
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements.
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups.
3. Maintenance of Commodity Prices.
4. Maintenance of U.S. and Foreign Commodity Price Indices.
5. Maintenance of IERD-IDA loans and credits by economic purpose.

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ms

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
EACSO - June 30, 1966		In progress
GABON - June 30, 1966		Completed
GUYANA - June 30, 1966 (new)		In progress
KENYA - June 30, 1966		Completed
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALI - December 31, 1965		In progress
NIGERIA - June 30, 1966	Billington	In progress
RHODESIA - June 30, 1966 (new)		In progress
SENEGAL - June 30, 1966		In progress
TANZANIA - June 30, 1966		In progress
ZAMBIA - June 30, 1966	Bruce	In progress
<u>ASIA</u>		
AUSTRALIA - June 30, 1966		In progress
CEYLON - June 30, 1966 (new)		Completed
December 31, 1965		In progress
CHINA - June 30, 1966		In progress
JAPAN - June 30, 1966		In progress
PAKISTAN - June 30, 1966		In progress
PHILIPPINES - June 30, 1966		In progress
THAILAND - June 30, 1966		Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schaad	In progress
LESOTHO - June 30, 1966		In progress
LESOTHO - June 30, 1966		In progress
BELGIUM - June 30, 1966	Hornstein	In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
ICELAND - June 30, 1966	Schick	Completed
ISRAEL - December, 1965		In progress
NORWAY - June 30, 1966		Completed
PORTUGAL - June 30, 1966	Cheek	Completed
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress
YUGOSLAVIA - June 30, 1966 (new)	Simmons	Completed
December 31, 1965	"	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
CHILE - December 31, 1965		In progress
COLOMBIA - June 30, 1966		In progress
COSTA RICA - June 30, 1966		Completed
DOMINICAN REPUBLIC - December 31, 1965	van der Haijden	Completed
EL SALVADOR - June 30, 1966		In progress
GUATEMALA - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Haijden	In abeyance
HONDURAS - June 30, 1966	van der Haijden	In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - June 30 & Dec. 31, 1965;	Wyss	In abeyance
June 30, 1966 (preliminary)	Wyss	Completed
VENEZUELA - June 30, 1966		In progress

Statistics Division  
IERD-Economics Department  
November 22, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 under-developed countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. Andrew M. Kamarch

November 4, 1966

Charles G. Goor *CGG*

Progress Report of Statistics Division  
for the period October 16 - 31, 1966

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA							
	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	4	10 (2)	1	7 (3)	-	16 (1)	1 (1)	2 (5)
June 30, 1966	2	8 (2)	-	6 (3)	-	12 (1)	1 (1)	7 (4)
Mar. 31, 1966	-	-	1	-	-	-	-	-
Dec. 31, 1965	1	2	-	1	-	3	-	2 (1)
June 30, 1965	1	-	-	-	-	-	-	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; ( )-number of countries started during period.

Work	Requested by	Status
2. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
3. Routine updating of historical tables of all countries to 12/31/65	Economics	In progress
4. Complex assembly of historical and projected debt data for publication	Economics	Completed
5. Congo-Kinshasa - routine preparation of list of debts as of 12/31/65	Africa	Completed
6. Computing debt service ratio for Uganda as of 12/31/65 and for Uganda and a share of EACSO debt	Afr. (Tolley)	Completed
7. Comparison of tables 1 and 2 as of 12/31/65 with tables prepared by Tunisia	Africa	Completed
8. Malawi - routine checking and updating material on external public debt	Afr. (Vigie)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Routine preparation of amortization schedules and discounting service payments	Afr. (Calika)	Completed
10. Senegal - checkup June 1966 debt submission as to quality and completeness	Afr. (Billington)	Completed
11. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress
12. Technical memoranda - Korea and Malaysia	Asia	Completed
13. Mexico - memo concerning debt report of 12/31/65	W. Hem.	Completed
14. Colombia - routine updating of tables showing debt outstanding as of June 30, 1965	W. Hem.	Completed
15. Turkey - checking of June 1966 debt submission and preparation of memo	Europe-M.E. (Wouters)	Completed
16. Jordan - preparation of memo on external debt submission as of June 1966	Europe-M.E. (Bart)	Completed

WorkRequested byStatus**B. GENERAL STATISTICS**

1. Complicated data search, moderately complex other factors:  
Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2) Ec. (Singh) In progress
2. Highly complicated data search and calculations:  
Export experience study (see Annex 2) Ec. (de Vries) In progress
3. Moderately complex regression analysis:  
Industrial protection study - Argentina, Spain and Brazil-interrelationships of imports, production, time etc. Ec. (de Fontenay) In progress
4. Moderately complicated regression analysis:  
Jamaica - interrelationships among various economic indicators Ec. (Hawkins) In progress
5. Complicated data search:  
Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs Ec. (Oury) In progress
6. Moderately complex data collection:  
IBRD disbursement in 1955-66 to selected suppliers of electrical equipment in U.K., Sweden, Switzerland, Austria, France and Germany Ec. (Cilingiroglu) Completed
7. Moderately complicated regression analysis:  
Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc. Ec. (Liu) In progress
8. Complicated calculations:  
Computation of East African Econometric Model for Uganda, Kenya and Tanzania Ec. (Hawkins/Africa (Bruce) In progress
9. Moderately complicated regression analysis:  
Supplementary financing study - trends of import and manufactured exports unit values for a large number of countries for 1954-65 Ec. (Maccone) In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated calculations: Cumulative present values of a cost or benefit stream with various growth rates discounted at various rates for a number of periods	Ec. (de Weille)	Completed
11. Simple computer program: Livestock projects in Peru and Ecuador - rate of return calculations	Proj. (Schaefer-Kehnert)	Completed
12. Complicated analysis: Disbursement patterns of IHRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
13. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guasqui-La-Paz	Proj. (Sander)	On hand
14. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Haltin)	In abeyance
15. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
16. Moderately complex data collection: Data on bids and contracts for a sample of IHRD loans during 1960-66	Proj. (Ripman)	In progress
17. Moderately complex calculations: Bolivia livestock project - preparation of cash flow, balance sheet, and profit and loss statements	(Andreu and) Proj. (Protopapas)	Completed
18. Routine checking: Trinidad and Tobago - Highway Project report	Proj. (Kaden)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Simple calculations: Ecuador livestock project - repayment schedule (annuities and components)	Adm. (Lamers)	Completed
20. Moderately complex regression analysis: Central American countries imports related to GNP, etc.	W. Hem. (Schmitt)	Completed
21. Moderately complex tabulation: IBRD and IDB loans by purpose during 1961-66 for comparative study	W. Hem. (Lenfant)	Completed
22. Simple calculations: Ghana - various calculation on economic data	Ghana Mission (Hansen/ Hammel)	Completed
23. Moderately complicated calculation and tabulation: Central American trade and various other data	C.Am. Mission (Guerra)	In progress
24. Moderately complex data collection and calculations:	(Villa-) Brasil Mission (fuerte)	In progress
25. Moderately complicated data search: Central African Republic - updating tables on public finance, production, external trade, national income, prices, etc.	Afr. (Booz)	Completed
26. Moderately complex data collection: Recent commodity prices (maize, wheat, jute, etc.) in India, Pakistan, Burma, Nepal, etc.	IMF-Africa (Salgado)	Completed
27. Simple data collection and tabulation: Spain - import and export data, revision and updating for 1965	Europe-M.E. (van der Mel)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IFD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Rizman)	In abeyance
4. Moderately complex computer program for livestock development model	Proj. (Picciotto)	In progress
5. Moderately complex computer program for East African country model	Afr. (Bruce)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPHICS</u>		
1. Aluminum production - 2 charts	Ec. (Huang)	Completed
2. Ecuador organization chart	Proj. (Knobel)	On hand
3. Analysis of the activities of Projects Dept. charts (revised and updated)	Proj. (Chadenet)	Completed
4. Guyana - educational pyramid, organization chart and diagram	Proj. (Lethem)	On hand
5. Thailand - revision of chart and addition	Proj. (Arnold)	Completed
6. Ceylon - organization charts	Proj. (Bascoah)	In progress
7. Organization chart for Bolivia livestock project	Proj. (Fransen)	Completed
8. Display chart project	Pres. Off. (Friedman)	On hand
9. Sudan - Gezira study chart	Mission (Haynes)	Completed
10. Personnel charts	Adm. (Eschenberg)	In progress
11. Loans to Western Hemisphere countries display chart (revised and updated)	W. Hem. (Alter)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

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ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
EACSO - June 30, 1966 (new)		In progress
ETHIOPIA - June 30, 1966		Completed
GABON - June 30, 1966		In progress
KENYA - June 30, 1966		In progress
LIBERIA - June 30, 1965		Completed
MALAGASY - Dec. 31, 1965 & June 30, 1966		In progress
MALAWI - June 30, 1966	Conrad	Completed
MALI - December 31, 1965		In progress
NIGERIA - June 30, 1966 (new)	Billington	In progress
SENEGAL - June 30, 1966		In progress
TANZANIA - June 30, 1966		In progress
ZAMBIA - December 31, 1965; June 30, 1966	Bruce "	Completed In progress
<u>ASIA</u>		
AUSTRALIA - June 30, 1966		In progress
CEYLON - December 31, 1965		In progress
CHINA - June 30, 1966		In progress
JAPAN - June 30, 1966 (new)		In progress
IRAN - March 31, 1966		Completed
PAKISTAN - June 30, 1966 (new)		In progress
PHILIPPINES - June 30, 1966 (new)		In progress
THAILAND - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966	Schnad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
BELOIUM - June 30, 1966 (new)	Hornstein	In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
ICELAND - June 30, 1966	Schiek	In progress
ISRAEL - December, 1965		In progress
NORWAY - June 30, 1966		In progress
PORTUGAL - June 30, 1966	Cheek	In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65; June 30, 1966		In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL (CONT.)

Country and Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>		
CHILE - December 31, 1965 (new)		In progress
COLOMBIA - June 30, 1966 (new)		Completed
DOMINICAN REPUBLIC - December 31, 1965	van der Heijden	In progress
EL SALVADOR - June 30, 1966 (new)		In progress
GUATEMALA - June 30, 1966		In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
HONDURAS - June 30, 1966	van der Heijden	In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - June 30 & Dec. 31, 1965;	Wyss	In abeyance
June 30, 1966 (new)		In progress
VENEZUELA - June 30, 1966 (new)		In progress
COSTA RICA - June 30, 1966 (new)		In progress

Statistics Division  
IBRD-Economics Department  
November 4, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertilizer consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A. M. Kamarck

November 1, 1966

E. K. Hawkins

Work Program of the Institutional and Quantitative Research Division for  
Two-week Period Ending October 31, 1966

E. K. Hawkins

- Review of comments on capital requirements paper.

Review of material on agrarian reform and land tenure.

Further work on econometric model for Jamaica and consultations on East Africa model with mission and Mr. Kuntu.

A. Elsas

- On mission to India.

R. J. Niebuhr

- Continued work on an econometric model for Malaysia.

J. C. Liu

- Continued work on an econometric model for Brazil.

N. G. Carter

- On mission to East Africa.

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu and Carter

# STATUS OF MAJOR STUDIES

	<u>Subject</u>	<u>Estimated dates for the completion of the different stages</u>		
		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsas	<u>Study of Indian Planning Models.</u>	Complete.	October - December 1966.	January - February 1967.
E. K. Hawkins	<u>Planning Models for Kenya, Uganda and Tanzania.</u> (Collaboration with the African Department and Statistical Services Division)	Mid-September 1966.	Mid-September to end November 1966.	Subject to further action not yet determined.
	<u>Econometric Model for Jamaica.</u> (Consultant:-Professor Marshall Hall)	September 1966.	October 1966 to March 1967.	April - September 1967.
J. C. Liu	<u>Econometric Model for Brazil.</u>	Mid-October 1966.	Mid-October 1966 to March 1967.	Undetermined at this stage.
R. J. Niebuhr	<u>Econometric Models for Malaysia and/or Thailand.</u>	Mid-October 1966.	Mid-October 1966 to March 1967.	April - June 1967.

Stage 1 is defined as the period in which preliminary inquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models re-worked and re-estimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

Mr. Andrew M. Kamarch

October 20, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period October 1 - 15, 1966

A. EXTERNAL DEBT

## 1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND DATE								
Date	Africa		Asia		E-M.E.		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
Total	-	12 (6)	2 (1)	5 (1)	3 (1)	16 (2)	3	5 (1)
June 30, 1966	-	8 (4)	2 (1)	3	2 (1)	12 (1)	1	4 (1)
Mar. 31, 1966	-	-	-	1	-	-	-	-
Dec. 31, 1965	-	3 (2)	-	1 (1)	1 <u>1</u>	3 (1)	1	1
June 30, 1965	-	1	-	-	-	-	1	-
Dec. 31, 1964	-	-	-	-	-	1	-	-

Note: Excludes 5 countries in abeyance; 1 revised; ( ) = number of countries started during period.

Work	Requested by	Status
2. Routine coding for computers: Iran - coding of IRRD, AID, Exim, on a fiscal basis	Economics	In progress
3. Complex assembly of historical and projected debt data for publication	Economics	In progress
4. Iceland - technical memorandum on debt report as of December 31, 1965	Europe-M.E.	Completed
5. Morocco - preparation of a list of Morocco's debt as of 12/31/65	Afr. (Golden)	Completed
6. Malagasy - routine checking of external debt reports as of December, 1965	Africa	Completed
7. Morocco - preparation of technical memorandum on debt report as of 12/31/65	Africa	Completed
8. Pakistan - routine preparation of memorandum on submission as of Dec. 1965	Asia	In progress

October 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. India - preparation of tables showing estimated service payments from 10/1/66-3/31/67 on loans from Germany, U.K. and U.S.	Asia (Votaw)	Completed
10. Peru - routine checking of debt reports	W. Hem. (Wyss)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Ec. (Singh)	Completed
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Simple regression analysis: Regression equations for 112 variables (1955-64) in various combinations (data unspecified)	Ec. (Niebuhr)	Completed
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc.	Ec. (Liu)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Ec. (Hawkins)/ Africa (Bruce)	In progress
9. Moderately complicated regression analysis: Supplementary financing study - trends of import and manufactured exports unit values for a large number of countries for 1954-65	Ec. (Maccone)	In progress

October 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated calculations: Cumulative present values of a cost or benefit stream with various growth rates discounted at various rates for a number of periods	Ec. (de Waille)	In progress
11. Simple calculation and tabulation: Aggregation of U.S. investment and earnings data 1958-64	Ec. (Kamarok)	Completed
12. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
13. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Quaquí-La-Paz	Proj. (Sander)	On hand
14. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
5. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
16. Moderately complicated data search: Price series from 1950 to date for 15 commodities including wax, oils, oilseeds, oil-cakes, oranges, cocoa, etc.	Pres. Off. (White)	Completed
17. Moderately complicated regression analysis: Imports related to GDP, population and population density for 66 countries	EDI (Dominguez)	In progress
18. Simple calculations: Rate of return calculations for Mogadisco and other road projects	Proj. (Huber/Eklund)	Completed
19. Moderately complicated tabulation: IBRD disbursements regarding old loans for shipping ports and waterways	Info. (Pryor)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated tabulation: IDA/IBRD disbursements in Canada 1960-66, Japan 1964-66 by category of goods, supplier and amount	Info. (Lind, Love)	Completed
21. Moderately complicated tabulation: IBRD disbursements to Power Gas Corpora- tions (U. K.)	Info. (Clements)	Completed
22. Simple calculations: Portugal - computation of growth rates and percentage distribution of detailed statis- tics on national income and supporting tables from 1958 to 1965	Europe-M.E. (Wahl)	Completed
23. Simple calculations: Ghana - various calculation on economic data	Ghana Mission(Hansen/Hammel)	In progress
24. Moderately complicated calculation and tabulation: Central American trade and various other data	C.Am. Mission(Guerra)	In progress
25. Moderately complicated data search: Central African Republic - updating tables on public finance, production, external trade, national income, prices, etc.	Afr. (Boos)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IERD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Ripman)	In abeyance
4. Moderately complex computer program for livestock development model	Proj. (Picciotto)	In progress
5. Moderately complex computer program for East African country model	Afr. (Bruce)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPICS</u>		
1. Copper study charts	Ec. (Asamama)	Completed
2. Colombia schedules	Proj. (Sicely)	Completed
3. Analysis of operation of Projects Dept. - charts revised and updated	Proj. (Chadenet)	On hand
4. Trinidad and Tobago organization chart	Proj. (Partharasathi)	Completed
5. Chile - construction schedule	Proj. (Sicely)	Completed
6. Swaziland - revision of chart	Proj. (Wyatt)	Completed
7. Sudan - sketch of education project construction schedule	Proj. (Kulsky)	Completed
8. Display chart project	Pres. Off. (Friedman)	On hand
9. Pakistan organization chart	IFC (Rascoe)	Completed
10. Kilombero rainfall statistical chart	IFC (Eynon)	Completed
11. India - Indian Explosives Ltd.	IFC (Channagan)	Completed
12. Bank administrative expenses and professional staff charts	Treas. (Johnston/Shoaib)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards
7. Preparation of current data on yields of IERD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IEM cards to Statistics IEM cards

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ETHIOPIA - June 30, 1966		In progress
GABON - June 30, 1966		In progress
KENYA - June 30, 1966		In progress
LIBERIA - June 30, 1965		In progress
MALAGASY - Dec. 31, 1965 & June 30, 1966 (new)		In progress
MALAWI - June 30, 1966	Conrad	In progress
MALI - December 31, 1965		In progress
SENEGAL - June 30, 1966 (new)	Billington	In progress
TANZANIA - June 30, 1966 (new)		In progress
ZAMBIA - Dec. 31, 1965 & June 30, 1966 (new)	Bruce	In progress
<u>ASIA</u>		
AFGHANISTAN - June 30, 1966 (new)	Wang	Completed
AUSTRALIA - June 30, 1966		In progress
CEYLON - December 31, 1965 (new)		In progress
CHINA - June 30, 1966		In progress
IRAN - March 31, 1966		In progress
THAILAND - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - June 30, 1966 (new)	Schaad	In progress
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966		In progress
GREECE - December 31, 1965 (rev.)	Schaad)	Completed
JORDAN - June 30, 1966		Completed
IRELAND - June 30, 1966	Schiak	In progress
ISRAEL - December, 1965		In progress
LEBANON - June 30, 1966		Completed
NORWAY - June 30, 1966		In progress
PORTUGAL - June 30, 1966	Cheek	In progress
U.A.R. - June 30, 1966	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65		In progress
June 30, 1966		In progress
YUGOSLAVIA - December 31, 1965	Simons	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & Dec. 31, 1965	Ross	Completed
DOMINICAN REPUBLIC - December 31, 1965	van der Heijden	In progress
HAITI - December 31, 1963 & 1964; June 30, 1965	van der Heijden	In abeyance
GUATEMALA - June 30, 1966		In progress
HONDURAS - June 30, 1966	van der Heijden	In progress
JAMAICA - June 30, 1966	van der heijden	Completed
PANAMA - June 30, 1966	Ross	In progress
PERU - June 30 & Dec. 31, 1965	Wynn	In abeyance

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analyzed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A.M. Kemerck

October 17, 1966

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending October 15, 1966

- |              |   |   |
|--------------|---|---|
| E.K. Hawkins | - | Preparation of discussion paper on first results for Jamaica.                                       |
|              |   | Review of materials on population and economic growth.  |
|              |   | Further consideration of East African model in consultation with Messrs. Kunda and Carter.          |
| A. Elsas     | - | On mission to India   |
| R.J. Niebuhr | - | Continued work on an econometric model for Malaysia.  |
| J.C. Liu     | - | On mission to Brazil in connection with an econometric model for that country.                      |
| N.G. Carter  | - | Preparation of a model for determining the quantitative effects of different investment strategies. |
|              |   | Background work in preparation for mission to East Africa.  |

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu and Carter

Mr. Andrew M. Kamarek

October 7, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period Sept. 16 to 30, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For June 30, 1966 : 2 countries	Africa	Completed
For June 30, 1966 : 4 countries (1 new)	"	In progress
For December 31, 1965: 1 country	"	Completed
For December 31, 1965: 1 country	"	In progress
For June 30, 1965 : 1 country	"	In progress
For June 30, 1966 : 3 countries	Asia	In progress
For March 31, 1966 : 1 country (new)	"	In progress
For June 30, 1966 : 11 countries (4 new)	Europe-Middle East	In progress
For December 31, 1965: 2 countries	" " "	In progress
For December 31, 1964: 1 country	" " "	In progress
For June 30, 1966 : 4 countries	Western Hemisphere	In progress
For December 31, 1965: 1 country (rev.)	" "	Completed
For December 31, 1965: 2 countries (1 new)	" "	In progress
For December 31, 1965: 1 country	" "	In abeyance
For June 30, 1965 : 1 country	" "	In progress
For June 30, 1965 : 2 countries	" "	In abeyance
For December 31, 1964: 1 country	" "	In abeyance
For December 31, 1963: 1 country	" "	In abeyance
2. Routine preparation of debt tables including service payments 1956-65 for Kenya, Uganda and Tanzania as of 12/31/65	Econ (Driva)	Completed
3. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
4. Complex assembly of historical and projected debt data for publication	Economics	In progress
5. Iceland - technical memorandum on debt report as of December 31, 1965	Europe-M.E.	In progress
6. U.A.R. - routine checking of debt reports prepared by Ministry of Finance	Europe-M.E.	Completed

October 7, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Ireland - routine checking of external debt reports as of December 31, 1965	Europe-M.E. (Dominguez)	Completed
8. Routine examination of Malagasy's external debt report as of June 30, 1966 and preparation of technical memorandum	Africa	Completed
9. Malagasy - routine checking of external debt reports as of December, 1965	Africa	In progress
10. Zambia - checking new submission for debt representation letter	Africa	Completed
11. Pakistan - routine preparation of memorandum on submission as of December 1965	Asia	In progress
12. India - preparation of tables showing estimated service payments from 10/1/66 - 3/31/67 on loans from Germany, U.K. and U.S.	Asia (Votaw)	In progress
13. Central American countries - preparation of various statistical tables for Central American Mission report	C.Am. Mission (Guerra)	Completed
14. Trinidad and Tobago - routine preparation of amortization schedule for proposed IBRD loan	W. Hem.	Completed
15. Central America - routine run for weighted average terms and preparation of amortization schedules of proposed loans	W. Hem. (Schmitt)	Completed
16. Peru - routine checking of debt reports	W. Hem. (Wyss)	In progress
17. Yugoslavia - routine preparation of 10 amortization schedules for proposed loan	IFC (Hoffman)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. GENERAL STATISTICS</b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Ec. (Singh)	In progress
4. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
5. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Complicated regression analysis: Copper model - interrelationships among production, consumption, stock, prices etc. with various alternatives and for different periods	Ec. (Asanuma)	Completed
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc.	Ec. (Liu)	In progress
8. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Africa (Bruce) Ec. (Hawkins)	In progress
9. Moderately complicated regression analysis: Supplementary financing study - trends of import and manufactured exports unit values for a large number of countries for 1954-65	Ec. (Maccone)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis: Argentina resource allocation study - production and exports of beef related to prices, income, rainfall with lagged variables etc.	Ec. (de Fontenay)	Completed
11. Moderately complicated work: Coffee prices - calculation of standard deviations of 2 series of data, and few charts	Ec. (Singh)	Completed
12. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
13. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
14. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
15. Moderately complicated calculations: Trinidad & Tobago - rates of return calculations for a number of alternatives	Proj. (Nelson)	Completed
16. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
17. Moderately complicated data search: Price series from 1950 to date for 15 commodities including wax, oils, oilseeds, oil-cakes, oranges, cocoa, etc.	Pres. Off. (White)	In progress
18. Complicated data collection and tabulation: Work relating to annual report	Pres. Off. (Kochav)	Completed
19. Moderately complicated regression analysis: Imports related to GDP, population and population density for 66 countries	EDI (Dominguez)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated analysis: Regression analysis and other calculations on miscellaneous data	Admin. (Eschenberg)	Completed
21. Simple regression analysis: Telephones related to GNP for all countries	Admin. (Van Nisamen)	Completed
22. Moderately complicated tabulation: IBRD disbursement in Sweden 1966, Switzer- land 1965-66 by category of goods, supplier and amounts	Info. (Lind, Senkaran)	Completed
23. Moderately complicated tabulation: IDA/IBRD disbursements in Canada 1960-66, Japan 1964-66 by category of goods, supplier and amount	Info. (Lind, Love)	In progress
24. Moderately complicated data search and calculations: Effective loans on per capita basis and as per centages of exports and GDP for major borrowers	Europe-M.E. (Cope)	Completed
25. Simple calculations: Portugal - computation of growth rates and per centage distribution of detailed statis- tics on national income and supporting tables from 1958 to 1965	Europe-M.E. (Wahl)	In progress
26. Moderately complicated regression analysis: Central American countries - interrelation- ships among GNP, population, money supply, imports etc.	W. Hem. (Schmitt)	Completed
27. Moderately complicated tabulation: IBRD-IDA loans to Latin American and Western Hemisphere countries tabulated by purpose, type of borrowers, per capita, disbursements, and net outflow etc.	W. Hem. (Lenfant)	Completed
28. Simple tabulation: Iran agricultural census data on holdings, crops and livestock tabulated by regions	Iranian Mission (King)	Completed
29. Moderately complicated calculation and <del>cula-</del> <del>tabulation:</del> Central American trade and various other data	C.Am. Mission (Guerra)	In progress

October 7, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IHRD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Ryman)	In abeyance
4. Moderately complex computer program for livestock development model	Proj. (Picciotto)	In progress
5. Simple computer program to compute matrix elements for the Linear Program used in the Indus-Basin agricultural project	Proj. (Vergin)	Completed
6. Moderately complex computer program for East African country model	Africa (Bruce)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Trade position and domestic market size - 2 charts	Ec. (de Vries)	Completed
2. Commodity charts	Ec. (Els)	Completed
3. Brazil automotive industry chart	Ec. (Martinez/Walstedt)	Completed
4. Afghanistan working schedule - lettering on chart	Proj. (Wright)	Completed
5. Telephone density and GNP per capita	Proj. (Van Nisamen)	Completed
6. Sudan educational diagram	Proj. (Burns)	Completed
7. Sudan organization chart to be redrawn	Proj. (Burns)	Completed
8. Colombia - 2 organization charts and 2 schedules	Proj. (Sicely)	Completed
9. Display chart project	Pres. Off. (Friedman)	On hand
10. India - Hindustan Chemicals - distribution of nitrogenous fertilizers	IFC (Channugam)	Completed
11. Pakistan organization chart and detailed sketch	IFC (Pesce)	Completed
12. Revision of IBRD Staff Retirement Plan - 3 charts	Treas. (Mazzitti)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IBRD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IBRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ms

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO BRAZZAVILLE - June 30, 1966	Booz	Completed
December 31, 1965	Booz	Completed
ETHIOPIA - June 30, 1966 (new)		In progress
GABON - June 30, 1966		In progress
KENYA - June 30, 1966		In progress
LIBERIA - June 30, 1965		In progress
MALAWI - June 30, 1966	Conrad	In progress
MALI - December 31, 1965		In progress
NIGERIA - June 30, 1966		Completed
<u>ASIA</u>		
AUSTRALIA - June 30, 1966 (new)		In progress
CHINA - June 30, 1966		In progress
INDIA - March 31, 1966 (new)		In progress
THAILAND - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
BASUTOLAND - June 30, 1966		In progress
BECHUANALAND - June 30, 1966		In progress
CYPRUS - June 30, 1966		In progress
DENMARK - June 30, 1966		In progress
FINLAND - June 30, 1966 (new)		In progress
ICELAND - June 30, 1966	Schick	In progress
JORDAN - June 30, 1966		In progress
NORWAY - June 30, 1966 (new)		In progress
PORTUGAL - June 30, 1966 (new)	Cheek	In progress
U.A.R. - June 30, 1966 (new)	Wouters	In progress
UNITED KINGDOM - Dec. 31, 1964 & 65		
June 30, 1966	S	In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & Dec. 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965 (rev.)	Eory	Completed
DOMINICAN REPUBLIC-December 31, 1965 (new)	van der Heijden	In progress
GUATEMALA - June 30, 1966		In progress
HAITI - December 31, 1963 and 1964;		
June 30, 1965	Kuczynski	In abeyance
HONDURAS - June 30, 1966		In progress
JAMAICA - June 30, 1966	van der Heijden	In progress
PANAMA - June 30, 1966	Ross	In progress
PERU - June 30 and Dec. 31, 1965	Wyss	In abeyance

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertilizer consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

Mr. A.M. Kamarck

September 30, 1966

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending September 30, 1966

E.K. Hawkins

- Review of results obtained from first run of simple model on Jamaica.

Preparation of second draft of paper on capital requirements estimates.

Review of computations of East African model in consultation with Messrs. Kundu, Bruce and Maiss.

Review of paper on the Agrarian Reform at the request of the study group organized by the FAO, with which the Bank is cooperating.

A. Elsaas

- Preparation for Mission to India.

Completion of discussion notes on growth formulae and trade and savings gap models.

E.J. Niebuhr

- Continued work on an econometric model for Malaysia.

J.C. Liu

- Worked on an econometric model for Brazil.

N.G. Carter

- Resettlement completed.

Preparation of a model for determining the quantitative effects of different investment strategies.

Review of results obtained from first run of simple model on Jamaica (with Mr. Hawkins).

EKHawkins/w

cc: Messrs. de Vries, Elsaas, Niebuhr, Liu and Carter

# STATUS OF MAJOR STUDIES

	<u>Subject</u>	<u>Estimated dates for the completion of the different stages</u>		
		<u>Stage 1</u>	<u>Stage 2</u>	<u>Stage 3</u>
A. Elsas	<u>Study of Indian Planning Models.</u>	Completed	October - December 1966	January - February 1967.
E.K. Hawkins	<u>Planning Models for Kenya, Uganda and Tanzania.</u> (Collaboration with the Africa Department and Statistical Services Division)	Completed	Mid-September to end November 1966.	Subject to further action not yet determined.
	<u>Econometric Model for Jamaica.</u> (Consultant:- Professor Marshall Hall)	First run completed on simple model	October 1966 to March 1967.	April - September 1967.
J.C. Liu	<u>Econometric Model for Brazil</u>	Mid-October 1966	Mid-October 1966 to March 1967	Undetermined at this stage.
R.J. Niebuhr	<u>Econometric Models for Malaysia and/or Thailand</u>	Mid-October 1966	Mid-October 1966 to March 1967	April - June 1967.

Stage 1 is defined as the period in which preliminary enquiries are made and the first computations are completed. The latter will be preliminary tests of various relationships and hypotheses as a basis for discussion and further work.

Stage 2 will start with the consideration of the results obtained in stage 1 and will include the bulk of the detailed research, including necessary field work.

Stage 3 will see the models re-worked and reestimated, as required by the findings of stage 2. The work will also be written up in the form that seems appropriate to the project concerned. This will necessarily vary both with the complexity of the model concerned and the uses which are to be made of it.

Mr. Andrew M. Kamarck

Sept. 20, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period Sept. 1 to 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For June 30, 1966 : 4 countries (3 new)	Africa	In progress
For December 31, 1965: 3 countries (1 rev.)	"	Completed
For December 31, 1965: 2 countries	"	In progress
For June 30, 1965 : 1 country	"	In progress
For June 30, 1966 : 2 countries (1 new)	Asia	In progress
For September, 1965 : 2 countries	"	In progress
For March, 1965 : 1 country	"	In progress
For September, 1964 : 1 country	"	In progress
For March, 1964 : 1 country	"	In progress
For June 30, 1966 : 7 countries (5 new)	Europe-Middle East	In progress
For December 31, 1965: 2 countries	" " "	In progress
For December 31, 1964: 1 country	" " "	In progress
For June 30, 1966 : 4 countries (3 new)	Western Hemisphere	In progress
For December 31, 1965: 3 countries (2 revs.)	" "	Completed
For December 31, 1965: 1 country	" "	In progress
For December 31, 1965: 1 country	" "	In abeyance
For June 30, 1965 : 1 country	" "	In progress
For June 30, 1965 : 2 countries	" "	In abeyance
For December 31, 1964: 1 country	" "	In abeyance
For December 31, 1963: 1 country	" "	In abeyance
<b>2. Routine coding for computer:</b>		
Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
<b>3. Routine updating of historical tables of all countries to 12/31/65</b>		
	Economics	In progress
<b>4. Complex assembly of historical and projected debt data for publication</b>		
	Economics	In progress
<b>5. Iceland - technical memorandum on debt report as of December 31, 1965</b>		
	Europe-M.E.	In progress

Sept. 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. Routine examination of Malagasy's external debt report as of June 30, 1966 and preparation of technical memorandum	Africa	In progress
7. Technical memorandum: Sierra Leone - debt report as of December 31, 1965	Africa	Completed
8. Malagasy - routine checking of external debt reports as of December, 1965	Africa	In progress
9. Somalia - routine checking of debt reports	Africa	Completed
10. Preparation of tables on term breakdown and weighted averages on state and enterprise debts	Africa(Edelman)	Completed
11. Ghana - routine preparation of tables of long-term public debt outstanding including disbursements schedule, 1965-1970	Africa	Completed
12. Thailand - routine preparation of 2 amortization tables for proposed IBRD loans	Asia	Completed
13. Central American countries - preparation of various statistical tables for Central American Mission report	C.Am. Mission (Guerra)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Ec. (Singh)	In progress
4. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
5. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
6. Complicated data search: Agricultural model - Indus Basin project: detailed historical data of weather, production, yield, prices and numerous agricultural inputs-	Ec. (Oury)	In progress
7. Complicated regression analysis: Copper model - interrelationships among production, consumption, stock, prices etc. with various alternatives and for different periods	Ec. (Asanuma)	In progress
8. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators e.g. GNP, production, money supply, consumption, investment etc.	Ec. (Liu)	In progress
9. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Africa (Bruce) Ec. (Hawkins)	In progress

Sept. 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis: Supplementary financing study - trends of import and manufactured exports unit va- lues for a large number of countries for 1954-65	Ec. (Macone)	In progress
11. Simple regression analysis: Argentina import substitution study - relating variables $y_1$ , $y_2$ and $y_3$ to $x_1$ , $x_2$ (nature of data unspecified)	Ec. (Damas)	Completed
12. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost esti- mates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., cen- tral ry., lake steamers, Guacui-la-Paz	Proj. (Sander)	On hand
13. Highly technical statistical analysis: Optimum cost model of an educational pro- ject	Proj. (Hultin)	In abeyance
14. Simple computer program: Iceland - rates of return calculations for Beneffe project	Proj. (Whyte)	Completed
15. Simple computer program: Swaziland - rates of return calculations	Proj. (Whyte)	Completed
16. Moderately complicated calculations: Trinidad & Tobago - rates of return calcu- lations for a number of alternatives	Proj. (Nelson)	In progress
17. Moderately complicated calculations: Indus Basin study - calculation of production value from average, yield, etc. for various regions	Proj. (Wapenhans)	In progress
18. Simple calculations: Colombia Agricultural Development program - cost-benefit figures	Proj. (Schaefer-Kehnert)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Complicated data collection and tabulation: Work relating to annual report	Pres.Off.(Kochav)	In progress
20. Moderately complicated regression analysis: Imports related to GDP, population and population density for 66 countries	EDI (Dominguez)	In progress
21. Moderately complicated tabulation: Congo imports 1962-65 in detail	Africa (Booz)	Completed
22. Moderately complicated calculations: Thailand dam construction - cash flow tables and rates of return	Admin. (Golan)	Completed
23. Moderately complicated analysis: Regression analysis and other calculations on miscellaneous data	Admin.(Eschenberg)	In progress
24. Moderately complicated data collection: IBRD and IDA background information for joint financing - survey of loans in power, highways, railways and communications - disbursements in each country grouped by amount of purchases, number of orders, and suppliers	Admin. (Fraser)	Completed
25. Simple computer program: Syria - rates of return calculations	Admin. (Eklund)	Completed
26. Simple regression analysis: Telephones related to GNP for all countries	Admin. (Van Nizmen)	In progress
27. Moderately complicated tabulation: IBRD disbursement in Sweden 1966, Switzerland 1965-66 by category of goods, supplier and amounts	Info.(Lind, Sankaran)	In progress
28. Moderately complicated data collection: Summary of construction equipment purchases with IBRD and IDA loans by suppliers and purchasers for a selection of loans	Info. (Graves)	Completed
29. Moderately complicated data search and calculations: Effective loans on per capita basis and as per percentages of exports and GDP for major borrowers	Europe-M.E. (Cope)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
30. Moderately complicated regression analysis: Central American countries - interrelation- ships among GNP, population, money supply, imports etc.	W. Hem. (Schmitt)	In progress
31. Moderately complicated tabulation: IHRD-IDA loans to Latin America and Western Hemisphere countries tabulated by purpose, type of borrowers, per capita, disbursements and net outflow etc.	W. Hem. (Lenfant)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IRRD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Ripman)	In abeyance
4. Moderately complex computer program for East African country model	Africa (Bruce)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPHICS</u>		
1. IFC charts	Treas.(Rutland/Gray)	Completed
2. Experimenting with spot charts on trade position and domestic market size	Ec. (de Vries)	Completed
3. Iran chart revised	Ec. (de Weille)	Completed
4. Commodity charts	Ec. (ELz)	In progress
5. Brazil automotive industry chart	Ec. (Martinez/Walstedt)	On hand
6. Investment in fixed assets - Fiat (2 charts)	Ec. (Baranson)	Completed
7. Comparison of foreign prices - Argentina	Ec. (Datas)	Completed
8. Cross section sample of tariff levels - cables	Ec. (Datas)	Completed
9. Crown Land Development project of Trinidad and Tobago	Proj. (Helmers)	Completed
10. Uganda charts	Proj. (Hultin)	Completed
11. Sudan organization chart to be revised	Proj. (Burns)	On hand
12. Colombia -2 organization charts and 2 schedules	Proj. (Sicely)	On hand
13. Display chart project	Pres. Off. (Friedman)	On hand
14. Israel Organization chart	IFC (Bose)	Completed

E. CONTINUING- EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IBRD bonds
8. Preparation of current data on yields of internal government bonds and stock indices
9. Maintenance of debt files
10. Highly technical drafting of manual of instructions for treatment and processing of external debt
11. All countries - semi-annual conversion of Export-Import Bank IBM cards to Statistics IBM cards

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IBRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ams

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO BRAZZAVILLE - December 31, 1965	Booz	In progress
EACSO - December 31, 1965		Completed
ETHIOPIA - December 31, 1965 (revision)		Completed
GABON - June 30, 1966 (new)		In progress
KENYA - June 30, 1966		In progress
LIBERIA - June 30, 1965		In progress
MALAWI - December 31, 1965		Completed
June 30, 1966 (new)	Conrad	In progress
MALI - December 31, 1965		In progress
NIGERIA - June 30, 1966 (new)		In progress
<u>ASIA</u>		
INA - June 30, 1966 (new)		In progress
INDIA - March, Sept., 1965;		
March, Sept., 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress
THAILAND - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
BASUTOLAND - June 30, 1966 (new)		In progress
BECHUANALAND - June 30, 1966 (new)		In progress
CYPRUS - June 30, 1966 (new)		In progress
DENMARK - June 30, 1966 (new)		In progress
ICELAND - June 30, 1966	Schiek	In progress
JORDAN - June 30, 1966 (new)		In progress
UNITED KINGDOM - Dec. 31, 1964 & 65		
June 30, 1966		In progress
YOSLAVIA - December 31, 1965	Simmons	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & Dec. 31, 1965	Ross	In progress
GUATEMALA - June 30, 1966		In progress
HAITI - December 31, 1963 and 1964;		
June 30, 1965	Kuczynski	In abeyance
HONDURAS - June 30, 1966 (new)		In progress
JAMAICA - June 30, 1966 (new)	van der Heijden	In progress
PANAMA - June 30, 1966 (new)	Ross	In progress
PARAGUAY - December 31, 1965 (revision)	Ross	Completed
PERU - June 30 and Dec. 31, 1965	Wyss	In abeyance
URUGUAY - December 31, 1965	Eory	Completed
VENEZUELA - December 31, 1965 (revision)	Lerdau	Completed

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

to Dept. Post.

Mr. A.M. Kemsch

September 15, 1966

E.K. Hawkins

*EKH*

Work Program of the Institutional and Quantitative Research Group for  
Two-week Period Ending September 15, 1966

- E.K. Hawkins - Further work on econometric model for Jamaica including preliminary calculations.
- Review and rewriting of paper on capital requirements estimates.
- A. Elsas - Further work on paper on capital requirements estimates.
- Preliminary study of a fourth five-year plan for India and general work on the framework of growth models with changing technology.
- R.J. Niebuhr - Continued work on an econometric model for Malaysia.
- J.C. Liu - Worked on an econometric model for Brazil.
- N.O. Carter - Resettlement.
- Background investigations into economy of Nigeria, Ghana, Zambia with a view to possibilities of quantitative analysis.
- Preparation of paper on the current state of quantitative work on Nigeria.

EKHawkins/w

cc: Messrs. de Vries, Elsas, Niebuhr, Liu and Carter

Mr. Andrew M. Kamarck

Sept. 8, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period August 16 to 31, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For June 30, 1966 : 1 country (new)	Africa	In progress
For December 31, 1965: 2 countries	"	Completed
For December 31, 1965: 4 countries	"	In progress
For June 30, 1965 : 1 country	"	In progress
For June 30, 1966 : 2 countries	Asia	Completed
For June 30, 1966 : 1 country (new)	"	In progress
For March, 1966 : 1 country	"	Completed
For September, 1965 : 2 countries	"	In progress
For March, 1965 : 1 country	"	In progress
For September, 1964 : 1 country	"	In progress
For March, 1964 : 1 country	"	In progress
For June 30, 1966 : 2 countries (new)	Europe-Middle East	In progress
For December 31, 1965: 1 country	" " "	Completed
For December 31, 1965: 2 countries (1 new)	" " "	In progress
For December 31, 1964: 1 country (new)	" " "	In progress
For June 30, 1966 : 1 country (new)	Western Hemisphere	In progress
For December 31, 1965: 1 country	" "	Completed
For December 31, 1965: 2 countries (1 new)	" "	In progress
For December 31, 1965: 1 country	" "	In abeyance
For June 30, 1965 : 1 country	" "	In progress
For June 30, 1965 : 2 countries	" "	In abeyance
For December 31, 1964: 1 country	" "	In abeyance
For December 31, 1963: 1 country	" "	In abeyance
<b>2. Processing export projection for 35 countries</b>	Economics	In progress
<b>3. Routine coding for computers:</b> Iran - coding of IHRD, AID, Exim, on a fiscal basis	Economics	In progress
<b>4. Research on types of projections of AID loans</b>	Economics	Completed
<b>5. Routine updating of historical tables of all countries to 12/31/65</b>	Economics	In progress

Sept. 8, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. Preparation of debt outstanding net of undisbursed with breakdown by private and public creditors, 1960-1965	Eco. (Meiss)	Completed
7. Preparation of tables for all countries, 1956-65 showing gross outstandings, net of undisbursed, authorizations, disbursements and service payments	Economics	Completed
8. Routine preparation of tables on service payments from 1960-65 for 19 Latin American countries	Economics	Completed
9. Correcting IERD listing for June 1961 and December 1962 and 1963	Economics	In progress
10. Jamaica - routine checking of additional debt information	W. Hem.	Completed
11. Ecuador - routine checking of additional debt information	W. Hem.	Completed
12. Italy - Technical memorandum on debt report as of December 31, 1965	Europe-M.E.	Completed
13. Iceland - Technical memorandum on debt report as of December 31, 1965	Europe-M.E.	In progress
14. Routine examination of material on Moroccan private debt	Africa(Golden)	Completed
15. Tunisia - reconciliation of debt tables with IMF tables	Africa	Completed
16. Ghana - preparation of table of long-term public debt outstanding including repayment schedule, 1967-1970	Africa (Hammel)	Completed
17. Senegal - checking debt representation letter	Africa(Cojot)	Completed
18. Congo Brazzaville - preparation of list of external debts as of Dec. 31, 1965	Africa(Booz)	Completed
19. Preparation of tables on term breakdown and weighted averages on state and enterprise debts	Africa(Edelman)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Senegal - preparation of amortization schedules on proposed IHRD loan	Africa	Completed
21. Pakistan - entry of debt data from debtor source in section files	Asia	Completed
22. Central American countries - preparation of various statistical tables for Central American Mission report	C.Am Mission(Guerra)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2 )	Ec. (Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Ec. (de Vries)	In progress
3. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Ec. (Singh)	In progress
4. Complicated regression analysis: Brazil GDP related to money supply, price level and population for 1947-64 with various combinations of dependent variables and complicated equations	Ec. (Meiselman)	Completed
5. Moderately complicated tabulation and processing: Various tables from export projection data of 35 countries	Ec. (Singh & Maiss)	Completed
6. Moderately complicated data search: Commodity price series for metals, textiles, fertiliser, etc. (9 new commodities) from about 1950 to date	Ec. (Maccone, Singh)	Completed
7. Moderately complicated data search: Compiling cash flow data for all developing countries, 1960-64	Ec. (Villafuerte)	Completed
8. Simple regression analysis: U.S. plywood consumption related to construction of houses and doors in houses	Ec. (Khan)	Completed
9. Moderately complicated data search: India and Pakistan exports of textile goods (SITC 65) for 1950-53 and 1960-63	Ec. (de Vries)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis: Brazil - money supply related to price and GNP	Ec. (Liu)	In progress
11. Complicated calculations: Computation of East African Econometric Model for Uganda, Kenya and Tanzania	Africa (Bruce) Ec. (Hawkins)	In progress
12. Simple regression analysis: GNP of various European countries related with manufacturing production	Ec. (Meier)	Completed
13. Moderately complicated regression analysis: Supplementary financing study - trends of import and manufactured exports unit values for a large number of countries for 1954-65	Ec. (Maccone)	In progress
14. Simple regression analysis: Argentina import substitution study - relating variables $y_1$ , $y_2$ and $y_3$ to $x_1$ , $x_2$ (nature of data unspecified)	Ec. (Dantas)	In progress
15. Simple calculations: Average annual changes in coarse grains and wheat production data for a number of countries from 1956-65	Ec. (Elz)	Completed
16. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guacui-La-Paz	Proj. (Sander)	On hand
17. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Haltin)	In abeyance
18. Routine checking: Ethiopian power and light authority - financial tables	Proj. (Myte)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Moderately complicated calculations: Indus basin project - various calculations for cost-benefit figures and rate of return calculations (12 sets)	Proj. (Wapenhans)	Completed
20. Routine checking: Draft report on appraisal of third road project	Proj. (Jaycox)	Completed
21. Simple calculations: Rates of return on two sets of data	Proj. (Courbois)	Completed
22. Complicated data collection and tabulation: Work relating to annual report	Pres.Off. (Kochav)	In progress
23. Moderately complicated regression analysis: Imports related to GDP, population and popu- lation density for 66 countries	EDI (Dominguez)	In progress
24. Moderately complicated tabulation: Congo imports 1962-65 in detail	Africa (Booz)	In progress
25. Moderately complicated calculations: Thailand dam construction - cash flow tables and rates of return	Admin. (Golan)	In progress
26. Moderately complicated analysis: Regression analysis and other calculations on miscellaneous data	Admin. (Eschenberg)	In progress
27. Moderately complicated data collection: IBRD and IDA background information for joint financing - survey of loans in power, highways, railways and communications - dis- bursements in each country grouped by amount of purchases, number of orders, and suppliers	Admin. (Fraser)	In progress
28. Moderately complicated data collection: IBRD loan 387 to Spain - German suppliers, type of equipment and value	Info. (Noone)	Completed
29. Moderately complicated data collection: Summary of construction equipment purchases with IBRD and IDA loans by suppliers and purchasers for a selection of loans	Info. (Graves)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and pro- cessing procedures	Ec. (Statistics)	In progress
2. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to cal- culate cash flows	Proj. (Ripman)	In abeyance
4. Simple computer program to make calcula- tions and produce input cards to the linear program for the Indus-basin agri- cultural project	Proj. (Vergin)	Completed
5. Moderately complex computer program for East African country model	Africa(Bruce)	In progress
6. Moderately complex computer program for tabulation of Central American countries imports	C.Am. Mission(Guerra)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Chile - organization chart	Proj. (Schaefer-Kehnert)	Completed
2. Cyprus - 2 schedules prepared for printing	Proj. (Huang)	Completed
3. 8 analysis of Projects Department charts updated and revised	Proj. (Chadenet)	Completed
4. Jamaica - educational diagram revised	Proj. (Germanacos)	Completed
5. Swasiland electricity board - 1 chart	Proj. (Wyatt)	Completed
6. Overlay for personnel chart	Ec. (Goer)	Completed
7. Lining tables for Exchange of International Indebtedness	Ec. (Suto)	Completed
8. Display chart project	Pres.Off.(Friedman)	In progress
9. IBRD Administrative Expenses Charts (2) updated	Treas. (Poore)	Completed
10. Israel Organisation chart	IFC (Rose)	In progress
11. Kenya - organization chart & Nairobi chart	IFC (Lynon)	Completed
12. Tariff Levels	W. Hem. (Datas)	In progress
13. Loans to Latin American Countries display chart	W. Hem. (Alter)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of IERD bonds
9. Tabulation of IERD loan disbursements
10. Maintenance of debt files
11. Highly technical drafting of manual of instructions for treatment and processing of external debt

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ms  
cc: Messrs. de Vries  
King

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided).

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO - December 31, 1965	Ba	In progress
EACSO - December 31, 1965		In progress
KENYA - December 31, 1965	Bruce	Completed
June 30, 1966 (new)		In progress
LIBERIA - June 30, 1965		In progress
MALAWI - December 31, 1965		In progress
MALI - December 31, 1965		In progress
UGANDA - December 31, 1965	Bruce	Completed
<u>ASIA</u>		
INDIA - March, 1966	Katz	Completed
March, Sept., 1965;		
March, Sept., 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress
KOREA - June 30, 1966	Reif	Completed
NEW ZEALAND - June 30, 1966		Completed
THAILAND - June 30, 1966(new)		In progress
<u>EUROPE-MIDDLE EAST</u>		
ICELAND - June 30, 1966(new)	Schick	In progress
ITALY - December 31, 1965		Completed
UNITED KINGDOM - Dec. 31, 1964 & 1965		
June 30, 1966 (new)		In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & Dec. 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965	Eory	Completed
GUATEMALA - June 30, 1966 (new)		In progress
HAITI - December 31, 1963 and 1964;		
June 30, 1965	Kuczynski	In abeyance
PERU - June 30 and Dec. 31, 1965	Wyss	In abeyance
URUGUAY - December 31, 1965(new)	Eory	In progress

Statistics Division  
IBRD-Economics Department  
Sept. 8, 1966

Mr. Andrew M. Kamarck

August 31, 1966

Bertil Walstedt

*BW*

Principal Activities of Industrialization Group - August 16-31, 1966

Walstedt: General Supervision;  
Planning European field trip, Industrial Protection Study;  
Summary of last year's activities

Baranson: Industrial Protection Study, Argentina  
Chapters on "Economic Conditions" and "Evaluation"  
for Argentine Country Study;  
Revisions of automotive and heavy mechanical equip-  
ment reports

Gilingiroglu: Completed Corporate Finance Course

Datas: Industrial Protection Study, Argentina  
Heavy Electrical Industry Report

Guillot: Algerian Mission, completing work;  
Tunisian Mission, initiating study

Villella: Industrial Protection Study, Brazil  
Working on Country Study

Martinez: Finished report on automotive industry in Brazil;  
Steel expansion plans (helping Miss May)

May: Steel expansion plans in developing countries, 1966-71  
(memo for Mr. Avramovic);  
Study of comparative tariff rates for heavy equipment  
and automotive items

In addition to the activities listed above, there were two major meetings connected with the Industrial Protection Study:

1. Presentation to Departmental Meeting on the organization and first findings of the Industrial Protection Study; and
2. A meeting with Mr. Sacchetti and members of International Development Finance Group to discuss the problem of exchange rates as it affects the Industrial Protection Study.

cc: Messrs. de Vries, Collier/Bohr, King/Sacchetti  
Industrialization Group

BWalstedt:hbb

Mr. Andrew M. Kamarok

August 17, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period August 1 to 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 1 country(new)	Africa	Completed
For December 31, 1965: 6 countries	"	In progress
For June 30, 1965 : 1 country	"	In progress
For December 31, 1964: 1 country(new)	"	Completed
For March, 1966 : 1 country	Asia	In progress
For June 30, 1966 : 1 country	"	In progress
For December 31, 1965: 1 country	"	In progress
For September, 1965 : 2 countries	"	In progress
For March, 1965 : 1 country	"	In progress
For September, 1964 : 1 country-	"	In progress
For March, 1964 : 1 country	"	In progress
For December 31, 1965: 3 countries	Europe-Middle East	Completed
For December 31, 1965: 2 countries(1 new)	" " "	In progress
For December 31, 1965: 1 country	" " "	In abeyance
For December 31, 1965: 2 countries(1 new)	Western Hemisphere	In progress
For December 31, 1965: 1 country	" "	In abeyance
For June 30, 1965 : 1 country	" "	In progress
For June 30, 1965 : 2 countries	" "	In abeyance
For December 31, 1964: 1 country	" "	In abeyance
For December 31, 1963: 1 country	" "	In abeyance
<b>2. Processing export projection for 35 countries</b>	Economics	In progress
<b>3. Routine coding for computer:</b> Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
<b>4. Research on types of projections of AID loans</b>	Economics	In progress
<b>5. Routine updating of historical tables of all countries to 12/31/65</b>	Economics	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. Routine proofreading and checking references of typewritten drafts (Book on history of IBRD)	Economics(Bitterman)	Completed
7. Preparation of tables for all countries, 1956-65 showing gross outstandings, net of undisbursed, authorizations, disbursements and service payments	Economics	In progress
8. Routine preparation of tables on service payments from 1960-1965 for 19 Latin American countries	Economics	In progress
9. Correcting IBRD listings for June 1964 and December 1962 and 1963	Economics	In progress
10. Argentina - routine calculation of debt service ratios, 1966-1975	We.Hemisp.(Ross)	Completed
11. Moderately complex preparation of historical tables of service payments for El Salvador with breakdown by borrowing agency, 1960-1965	We.Hemisp.(Schmitt)	Completed
12. Colombia - preparation of technical memorandum - debt report as of 12/31/65	We.Hemisp.(Frost)	Completed
13. Yugoslavia - routine checking of files for Forms C and D not received	E-M. East	In progress
14. Greece - routine estimate of debt service 1966 - 1970	E-M. East	In progress
15. U.A.R. - routine preparation of tables showing amount outstanding of privately-placed debt as of December 31, 1964	E-M. East(Richardson)	Completed
16. Routine examination of material on Moroccan private debt	Africa(Golden)	In progress
17. Routine checking of external debt reports of Ivory Coast	Africa(Cojet)	Completed
18. Tunisia - reconciliation of debt tables with IMF tables	Africa	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Congo Brassaville - special tables for loans with complete terms, loans with assumed terms and proposed loans	Africa(Booz)	Completed
20. Algeria - preparation of technical memorandum	Africa	Completed
21. Pakistan - entry of debt data from debtor source in section files	Asia	In progress
22. Korea - technical memorandum on debt report as of 12/31/65	Asia(Reif)	Completed
23. Pakistan - preparation of debt cards for new loans	Asia	Completed
24. Korea - preparation of debt cards for new loans	Asia	Completed

August 17, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factor: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco.(Singh)	In progress
2. Highly complicated data search and calculations: Export experience study (see Annex 2)	Eco.(de Vries)	In progress
3. Difficult data search and calculation: Demand for steel (see Annex 2)	Eco. (Walstedt)	Completed
4. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Eco. (Singh)	In progress
5. Moderately complicated data collection: Historical series, revising 1963-1965 figures and adding 1966 prices in "The Commodity Problem"	Eco. (Maccone)	Completed
6. Complicated regression analysis: Brazil GDP related to money supply, price level and population for 1947-64 with various combinations of dependent variables and complicated equations	Eco.(Meiselman)	In progress
7. Complicated calculations: India index of industrial production - setting up a new base period (1961) and r revising old figures from 1951 to 1965 (base period=1956)	Eco. (Bohr)	Completed
8. Complicated coding: Export commodities SITC codes for various countries for machine tabulation	Eco. (Maiss, Singh)	Completed
9. Moderately complicated regression analysis: Argentina import substitution study - imports as functions of GDP, ind. production, value added, reserve etc.	Eco. (Fontenay)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated tabulation and processing: Various tables from export projection data of 35 countries	Eco.(Singh & Maiss)	In progress
11. Moderately complicated data search: Commodity price series for metals, textiles, fertiliser etc. (9 new commodities) from about 1950 to date	Eco.(Macone, Singh)	In progress
12. Moderately complicated data search: Revising invisible export figures for 19 selected countries	Eco.(Rao)	Completed
13. Moderately complicated data search: Compiling cash flow data for all developing countries, 1960-64	Eco.(Villafuerte)	In progress
14. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Quaquí-La-Paz	Proj. (Sander)	On hand
15. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
16. Simple computer program: Sudan land clearance project - rate of return calculations	Proj. (Nelson)	Completed
17. Moderately complicated calculations: Indus basin project - various calculations for cost-benefit figures and rate of return calculations (12 sets)	Proj.(Wapenhans)	In progress
18. Simple calculations: Indus river system - annual and monthly averages of drawing of water for 1921-31 and 1931-46 from 8 rivers	Proj.(Luhman)	Completed

August 17, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Complicated data collection and tabulations: Work relating to annual report	Pres.Off.(Kochav)	In progress
20. Moderately complicated checking: Data in IERD annual report	Pres.Off.(Kochav)	Completed
21. Simple computer program: Rate of return calculations for a project with a large number of alternative cost- benefit data	Admin.(Huber)	Completed
22. Simple checking: Some cash flow calculations	Admin.(Van Nimmern)	Completed
23. Moderately complicated regression analysis: Imports related to GDP, population and popu- lation density for 66 countries	EDI (Dominguez)	In progress
24. Simple calculations and tabulation: Congo - aid from FED	Africa(Booz)	Completed
25. Moderately complicated tabulation: IERD disbursements in U.S. 2nd quarter, 1966 by state and number of suppliers in each state	Inform.(Graves)	Completed
26. Simple checking: Tables on IERD/IDA loans by purpose (printers proofs)	Inform.(Lightowler)	Completed
27. Simple calculations: Argentina cost-of-living index, rate of exchange etc.	We.Hemisp.(Ross)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco.(Statistics)	In progress
2. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
3. Preparation of a computer program to calculate cash flows	Proj.(Ripman)	In abeyance
4. Plotting of salary/age charts by a computer program	Adm.(Eschenberg)	In abeyance
5. Moderately complex computer program for East African country model	Africa(Bruce)	In progress
6. Moderately complex computer program for tabulation of Central American countries imports	We.Hemisp.(Guerra)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPHICS</u>		
1. Analysis of Projects Dept. - 8 charts	Proj.(Chadenet)	Completed
2. Venezuela organization chart (sketch)	Proj. (Knobel)	In progress
3. Karachi - one chart (sketch)	Proj. (Wyatt)	Completed
4. Tunisia organization chart	Proj. (Van Nimmen)	Completed
5. Sudan organization chart	Proj.(Burns)	Completed
6. Thailand - construction schedule	Proj.(Bartsch)	Completed
7. Chile - organization chart	Proj.(Schaefer-Kehnert)	Completed
8. Chile - 2 charts	Proj.(Sear)	Completed
9. Philippines - 1 chart	Proj. (Arnold)	Completed
10. Thailand - 1 chart	Proj. (Arnold)	Completed
11. Swaziland electricity board - 1 chart	Proj.(Wyatt)	In progress
12. 3 sketches on nickel	Eco. (Myer)	Completed
13. Routine interest rates charts	Eco. (Goor)	Completed
14. Argentina - 1 chart-relation between import and investment	Eco.(Dadas-Panero)	Completed
15. Display chart project	Pres.Off.(Friedman)	In progress
16. IBRD Primary Commodity Price Index - new chart	Pres.Off.(Avramovic)	Completed

August 17, 1966

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards
7. Preparation of current data on yields of internal government bonds and stock indices
8. Preparation of current data on yields of IBRD bonds
9. Tabulation of IBRD loan disbursements
10. Maintenance of debt files
11. Highly technical drafting of manual of instructions for treatment and processing of external debt

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IBRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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smg  
cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO - December 31, 1965	Ba	In progress
EACSO - December 31, 1965		In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - June 30, 1965		In progress
MALAWI - December 31, 1965		In progress
MALI - December 31, 1965		In progress
NIGERIA - December 31, 1964 and 1965		Completed
UGANDA - December 31, 1965	Bruce	In progress
<u>ASIA</u>		
INDIA - March, 1966; March, Sept., 1965; March, September, 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress
KOREA - December 31, 1965	Reif	In progress
NEW ZEALAND - June 30, 1966		In progress
<u>EUROPE-MIDDLE EAST</u>		
FRANCE - December 31, 1965		Completed
GREECE - December 31, 1965		Completed
ICELAND - December 31, 1965	Schick	Completed
ITALY - December 31, 1965		In progress
NETHERLANDS - December 31, 1965		In progress
YUGOSLAVIA - December 31, 1965	Simmons	In abeyance
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & December 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965	Rory	In progress
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In abeyance
PERU - June 30, and December 31, 1965	Wyss	In abeyance

Statistics Division  
IBRD-Economics Department  
August 17, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-56 and 1962-64 data. (Some data and analysis already provided).

*cc Dept act*

Mr. Andrew M. Kamarck

August 15, 1966

Bertil Walstedt

Bimonthly Report, August 1-15, 1966

During the first half of August, all the staff was here, with the exception of Baranson, who was on leave August 1 and 2, and Miss Martinez, who was on leave August 1 through 5. In addition, Cilingiroglu participated in the Corporate Finance Course starting August 8.

The Division was occupied almost entirely with the import substitution and protection study. Thus, Baranson was working on the country study for Argentina, while Vilella was working on the country study for Brazil. Datas completed a study of the protective system in Argentina and started working on the electrical equipment industry in Argentina. Cilingiroglu is working on the heavy mechanical industry in Brazil. Miss Martinez completed a first draft of the automotive industry in Brazil based upon notes and documentation previously collected by Walstedt and Cilingiroglu. Miss May is working on a comparative study of the tractor industry and is also preparing the tables on the comparative rates of protection for the equipment sectors in a selected number of countries.

On balance, this work is proceeding reasonably according to the schedule outlined in the early part of June.

Walstedt, since his return on July 28, has been concerned mainly with administration of the import substitution and protection project and with the final drafting of the report on Spanish industry. (A preliminary draft was submitted to the mission chief on June 20.)

  
BWalstedt:hbb

cc: Messrs. de Vries, Collier, King, Bohr  
Industrialization Group

Op. Admin.

Mr. Andrew M. Kamarek

August 3, 1966

Charles G. Goor *CGG*

Progress Report of Statistics Division  
for the period July 16 to 31, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 6 countries	Africa	In progress
For June 30, 1965 : 1 country	"	In progress
For December 31, 1965: 1 country(new)	Asia	In progress
For June 30, 1966 : 1 country(new)	"	In progress
For March, 1966 : 1 country	"	In progress
For September, 1965 : 2 countries	"	In progress
For March, 1965 : 1 country	"	In progress
For September, 1964 : 1 country	"	In progress
For March, 1964 : 1 country	"	In progress
For December 31, 1965: 5 countries	Europe-Middle East	Completed
For December 31, 1965: 4 countries(2 new)	" " "	In progress
For December 31, 1965: 1 country	" " "	In abeyance
For December 31, 1965: 6 countries(2 new)	Western Hemisphere	Completed
For December 31, 1965: 1 country	" "	In progress
For December 31, 1965: 1 country	" "	In abeyance
For June 30, 1965 : 1 country	" "	In progress
For June 30, 1965 : 2 countries	" "	In abeyance
For December 31, 1964: 1 country	" "	Completed
For December 31, 1964: 1 country	" "	In abeyance
For December 31, 1963: 1 country	" "	In abeyance
2. A highly involved statistical operation including financial analysis: Preparation for publication of historical tables to end 1964	A/E-ME/As/WH	Completed
3. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
4. Research on types of projections of AID loans	Economics	In progress

August 3, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
5. Routine updating of historical tables to 1966 for Pakistan, Malaysia, Sudan, Nigeria, Portugal and Tunisia	Economics	In progress
6. Routine coding to produce EXIMBANK debt punchcards	Economics	Completed
7. Routine proofreading and checking references of typewritten drafts (Book on history of IBRD)	Economics(Bitterman)	In progress
8. Pakistan - calculation of present value of 4 proposed U.S. loans to Pakistan	Eco.(de Vries)-	Completed
9. Routine preparation of tables on service payments from 1960-1965 for 19 Latin American countries	Economics	In progress
10. Argentina - routine calculation of debt service ratios, 1966 - 1975	We.Hemisp.(Ross)	In progress
11. Routine calculation of amortization schedule for proposed IBRD loan to Jamaica	We.Hemisp.(Kuriyama)	Completed
12. Technical memorandum: Italy - debt report as of June 30, 1965	E-M. East	Completed
13. Yugoslavia - routine checking of files for Forms C and D not received	E-M. East	In progress
14. Greece - routine estimate of debt service 1966 - 1970	E-M. East	In progress
15. U.A.R. - routine preparation of tables showing amount outstanding of privately-placed debt as of December 31, 1965	E-M. East (Richardson)	In progress
16. Routine examination of material on Moroccan private debt	Africa(Golden)	In progress
17. Congo Brazzaville - technical memorandum - analysis of debt reports as of 12/31/65	Africa	Completed
18. Tunisia - reconciliation of debt tables with IMF tables	Africa	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Routine updating of historical tables for Australia, Japan, China, Bechuanaland, Philippines & Ethiopia to Dec. 31, 1965	Africa	In progress
20. Technical memoranda: Congo-Leopoldville debt reports as of Dec. 31, 1965	Africa	Completed
21. A highly complex statistical operation including financial analysis: Preparation of an estimate of the world's external public debt as of December 31, 1965 and service for selected years	Pres.Off.(Kochav)	Completed
22. Routine revisions on statistical tables of suppliers' credits study for OECD	Pres.Off.(Kalmanoff)	Completed
23. Pakistan - Entry of debt data from debtor source in section files	Asia	In progress

**B. GENERAL STATISTICS**

- |   |                  |             |
|---|------------------|-------------|
| 1. Complicated data search, moderately complex other factor:<br>Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2) | Eco. (Singh)     | In progress |
| 2. Highly complicated data search and calculations:<br>Export experience study (see Annex 2)  | Eco. (de Vries)  | In progress |
| 3. Difficult data search and calculation:<br>Demand for steel (see Annex 2)   | Eco. (Walstedt)  | In progress |
| 4. Complicated regression analysis:<br>Aluminum study: some data search and analysis for various periods within 1900-1965 and for USA, Japan, Europe and world  | Eco. (Huang)     | Completed   |
| 5. Moderately complicated data search:<br>Exports of various agricultural and mining products of developing countries (part of capital requirements study)  | Eco. (Singh)     | In progress |
| 6. Simple regression analysis:<br>OECD countries total nickel consumption related to growth of manufactures and GDP for 1955-64 and 1958-64 and projected to 1975   | Eco. (Meier)     | Completed   |
| 7. Moderately complicated data collection:<br>Historical series, revising 1963-1965 figures and adding 1966 prices in "The Commodity Problem"   | Eco. (Maccone)   | In progress |
| 8. Simple regression analysis:<br>1) Plywood consumption related to GNP, population and construction activities in 8 countries for 1957-64<br>2) Trend in world construction of plywood, 1913-64  | Eco. (Khan)      | Completed   |
| 9. Complicated regression analysis:<br>Brazil GDP related to money supply, price level and population for 1947-64 with various combinations of dependent variables and complicated equations  | Eco. (Meiselman) | In progress |

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Complicated calculations: India index of industrial production - setting up a new base period (1961) and revising old figures from 1951 to 1965 (base period=1956)	Eco. (Bohr)	In progress
11. Simple calculations: Brazil cost-of-living and wholesale price indices 1955-65 by fiscal year	Eco. (Walstedt)	Completed
12. Simple calculation and tabulation: IBRD primary commodity indices updating of tables as in Report EC-114	Eco. (Kundu)	Completed
13. Complicated coding: Export commodities SITC codes for various countries for machine tabulation	Eco. (Maiss, Singh)	In progress
14. Moderately complicated data collection: Latin American external financing from Balance-of-payments data	Eco. (Lari)	Completed
15. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Quauqui-La-Paz	Proj. (Sander)	On hand
16. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
17. Moderately complicated calculation: Costa Rica agricultural project cash flow tables	Proj. (Andreu)	Completed
18. Simple computer program: Rate of return calculation for Trinidad Southern Highway project	Proj. (Parthasarathi)	Completed
19. Simple calculations: Northern Tunisian Agriculture Co-operative cash flow	Proj. (Goffin)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Complicated data collection and tabulations: Work relating to annual report	Pres.Off. (Kochav)-	In progress
21. Moderately complicated calculations: Honduras data revision and conversion	Central Ame.Mis.(Schmitt)	Completed
22. Simple calculations: Central America (Costa Rica, El Salvador, Guatemala, Honduras, and Nicaragua) indices of various data	Gen.Ame.Mis.(Kuczynski)	Completed
23. Simple calculations for charts: IPC annual report sources of funds available in 1960, 1963, and 1966	Information(Graves)	Completed
24. Simple computer program: Compound growth rate calculations for a long series of data	Admin.(Lamers)	Completed
25. Simple computer program: Rate of return calculations for a project with a large number of alternative cost- benefit data	Admin.(Huber)	In progress
26. Moderately complicated regression analysis: Imports related to GDP, population and popu- lation density for 66 countries	EDI (Dominguez)	In progress
27. Moderately complicated tabulation: IBRD-IDA disbursements in Canada, April- June 1966	Treasurer's(Jones)	Completed

August 3, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Highly complex system analysis: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco. (Statistics)	In progress
2. Simple computer programs to calculate the compound interest and annuity tables	Eco. (Statistics)	Completed
3. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
4. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
5. Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
6. Simple computer program to print sample tables for the country data file (Greece)	Eco. (Levy)	Completed
7. Moderately complex computer program for East African country model	Africa (Bruce)	In progress
8. Moderately complex computer program for tabulation of Central American countries imports We.Hemis. (Guerra)		In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Nigeria - organization chart	Proj. (Nelson)	Completed
2. Karachi - Electric Supply Corporation - 1 chart and 1 diagram	Proj. (Wyatt)	Completed
3. Analysis of Projects Dept. - 8 charts	Proj. (Chadenet)	In progress
4. Malawi charts revised	Proj. (Pichler/Kulsky)	Completed
5. Manila - capacity requirements	IFC (Monsod)	Completed
6. Argentina - 1 chart relation between import and investment	Eco. (Datan)	In progress
7. 37 commodity charts, revised, updated (12 charts redrawn)	Eco. (Singh/Kamarok)	Completed
8. Personnel chart and overlay	Admin. (Busse)	Completed
9. IFC Annual Report chart sketches	Information (Graves)	Completed
10. IBRD Primary Commodity Price Index chart updated and revised	Pres. Off. (Avramovic)	Completed
11. Display chart project	Pres. Off. (Friedman)	In progress
12. Greece - 2 organization charts	Mission (Schumacher)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards
7. Preparation of current data on yields of internal government bonds and stock indices
8. Preparation of current data on yields of IERD bonds
9. Tabulation of IERD loan disbursements
10. Maintenance of debt files
11. Highly technical drafting of manual of instructions for treatment and processing of external debt

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IERD and IDA disbursements
2. Maintenance of IERD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IERD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ms

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO - December 31, 1965	Ba	In progress
EACSO - December 31, 1965		In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - June 30, 1965		In progress
MALAWI - December 31, 1965		In progress
MALI - December 31, 1965		In progress
UGANDA - December 31, 1965	Bruce	In progress
<u>ASIA</u>		
INDIA - March, 1966; March, Sept., 1965; March, September, 1964	Votaw	In progress
IRAN - September, 1965	Marat	In progress
KOREA - December 31, 1965 (new)	Reif	In progress
NEW ZEALAND - June 30, 1966 (new)		In progress
<u>EUROPE-MIDDLE EAST</u>		
BELGIUM - December 31, 1965		Completed
CYPRUS - December 31, 1965		Completed
DENMARK - December 31, 1965	Zafirion	Completed
FRANCE - December 31, 1965 (new)		In progress
GREECE - December 31, 1965		In progress
ICELAND - December 31, 1965 (new)	Schick	In progress
IRELAND - December 31, 1965		Completed
ITALY - December 31, 1965		In progress
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	Completed
YUGOSLAVIA - December 31, 1965	Simons	In abeyance
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & December 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965	Eory	Completed
COSTA RICA - December 31, 1965		Completed
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In abeyance
MEXICO - December 31, 1964 and 1965	Lerdau	Completed
NICARAGUA - December 31, 1965 (new)		Completed
PANAMA - December 31, 1965 (new)		Completed
PERU - June 30 and December 31, 1965	Wynn	In abeyance
VENEZUELA - December 31, 1965	Zirnan	Completed

Statistics Division  
IBRD-Economics Department  
August 3, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-56 and 1962-64 data. (Some data and analysis already provided).

4. Aluminum study:

Regression of consumption on industrial production, prices of aluminum and pig iron.

Mr. Andrew M. Kamarck

July 21, 1966

Charles G. Coor *cc: J*Progress Report of Statistics Division  
for the period July 1 to 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 1 country	Africa	Completed
For December 31, 1965: 6 countries(2 new)	"	In progress
For June 30, 1965 : 1 country	"	In progress
For December 31, 1965: 1 country(new)	Europe-Middle East	Completed
For December 31, 1965: 8 countries(3 new)	" " "	In progress
For June 30, 1965 : 1 country	" " "	Completed
For December 31, 1965: 1 country (new)	Economics	Completed
For December 31, 1965: 1 country	Western Hemisphere	Completed
For December 31, 1965: 6 countries	" "	In progress
For June 30, 1965 : 1 country	" "	Completed
For June 30, 1965 : 3 countries	" "	In progress
For December 31, 1964: 1 country (new)	" "	Completed
For December 31, 1964: 2 countries	" "	In progress
For December 31, 1963: 1 country	" "	In progress
For March, 1966 : 1 country	South Asia	In progress
For September, 1965 : 2 countries	" "	In progress
For March, 1965 : 1 country	" "	In progress
For September, 1964 : 1 country	" "	In progress
For March, 1964 : 1 country	" "	In progress
<b>2. A highly involved statistical operation including financial analysis: Preparation for publication of historical tables to end 1964</b>	A/E-ME/FE/SA/WH	In progress
<b>3. Routine coding for computer: Iran - coding of IHRD, AID, Exim, on a fiscal basis</b>	Economics	In progress
<b>4. Research on types of projection of AID loans</b>	Economics	In progress
<b>5. Routine updating of historical tables to 1966 for Pakistan, Malaysia, Sudan, Nigeria, Portugal and Tunisia</b>	Economics	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. Routine coding to produce EXIMBANK debt punchcards	Economics	In progress
7. Routine preparation of graphs for econometric model of Mexico	Economics	Completed
8. Routine checking of reliability of revised editing program	Economics	In progress
9. Peru - routine calculation of debt service ratios from 1966, 1967 and 1970	We.Hemisp.(Ross)	Completed
10. Argentina - routine calculation of debt service ratios, 1966 - 1975	We.Hemisp.(Ross)	In progress
11. Routine calculation of amortization schedule for proposed IBRD loans to Peru	We.Hemisp.(Knox)	Completed
12. Moderately complex: Preparation of historical table for Chile, 1956-65 of debts of the Central Bank	We.Hemisp.(Dosik)	Completed
13. Swaziland - preparation of a list of all public debt outstanding as of Dec. 31, 1965	E-M. East(Simmons)	Completed
14. Technical memorandum: Italy - debt report as of June 30, 1965	E-M. East	In progress
15. Ceylon - updating December 31, 1964 projection with proposed aid from a number of countries	Far East	Completed
16. Malaysia - routine preparation of 1 amortization schedule for proposed IBRD loan	Far East	Completed
17. Routine examination of material on Moroccan private debt	Africa(Golden)	In Progress
18. Preparation of historical tables of state debts of Tunisia 1963-1965	Africa	Completed
19. Routine checking of major reported additions for debt representation letter for Malaysia	Africa	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Tunisia - technical compilation of selected data of state and enterprise debt	Africa	Completed
21. A highly complex statistical operation including financial analysis: Preparation of an estimate of the world's external public debt as of December 31, 1965 and service for selected years	Pres.Off.(Kochav)	In progress
22. Preparation of list of foreign bonds issued for developing countries in 1966	Pres.Off. (Saeed)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factor: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco.(Singh)	In progress
2. Highly complicated data search and calculations: Export experience study(see Annex 2)	Eco.(de Vries)	In progress
3. Difficult data search and calculations: Demand for steel (see Annex 2)	Eco.(Walstedt)	In progress
4. Complicated regression analysis: Aluminum study: some data search and analysis for various periods within 1900-1965 and for USA, Japan, Europe and world	Eco.(Huang)	In progress
5. Moderately complicated data search: Exports of various agricultural and mining products of developing countries(part of capital requirements study)	Eco.(Singh)	In progress
6. Moderately complicated regression analysis: Public current and capital expenditures by purpose (general services, defense, economic sciences, education, health, etc.) related to per capital GDP for some 36 developing countries taken together and in groups	Eco. (Sharif)	Completed
7. Simple regression analysis: OECD countries total nickel consumption related to growth of manufactures and GDP for 1955-64 and 1958-64 and projected to 1975	Eco. (Meier)	In progress
8. Moderately complicated data collection: Historical series, revising 1963-1965 figures and adding 1966 prices in "The Commodity Problem"	Eco. (Maccone)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Simple regression analysis: U.S. export unit value of feed grains related to logged stock and price 1955-64 and projected in future	Eco. (Ela)	Completed
10. Simple regression analysis: 1) US nickel in stainless steel related to stainless steel production 1955-65 2) Free world nickel consumption trend 1950-65 and projection up to 1975	Eco. (Meier)	Completed
11. Simple regression analysis: 1) Plywood consumption related to GNP, population and construction activities in 8 countries for 1957-64 2) Trend in world construction of plywood, 1913-64	Eco. (Khan)	In progress
12. Moderately complicated regression analysis: 1) 2 price determination models of copper 1947-64 and projections to 1970 2) Copper consumption related to industrial production in 7 countries for various periods ranging between 1901-1964	Eco. (Asanuma)	Completed
13. Complicated regression analysis: Brazil GDP related to money supply, price level and population for 1947-64 with va- rious combinations of dependant variables and complicated equations	Eco. (Meiselman)	In progress
14. Complicated calculations: India index of industrial production - setting up a new base period (1961) and revising old figures from 1951 to 1965 (base period-1956)	Eco. (Bohr)	In progress
15. Moderately complicated data collection: "Invisible" elements in Balance of Payments accounts of 19 selected countries for 1956-63	Eco. (Leon)	Completed
16. Moderately complicated calculations: Derivation of some coefficients for a linear programming model of the indus basin water project	Eco. (Vergin)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
17. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - traffic statistics, cost estimates and expenditures, labor force, Peru and Bolivia income statement, consolidated trial balance, etc. for southern ry., central ry., lake steamers, Guaqui-La Paz	Proj. (Sander)	On hand
18. Simple coding for computer and calculations: IBRD loan disbursements by purpose and determination of percent disbursed	Proj. (Chadenet)	Completed
19. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In abeyance
20. Routine checking: Calculations in Cameroon Development Corp. report	Proj. (Walden)	Completed
21. Moderately complicated calculation: Costa Rica agricultural project cash flow tables	Proj. (Andreu)	In progress
22. Simple computer program: Rate of return calculation for Trinidad Southern Highway project	Proj. (Parthasarathi)	In progress
23. Routine checking: Calculations in Crown lands development project	Proj. (Walden)	Completed
24. Routine checking: Tables in a report	Proj. (Lowden)	Completed
25. Complicated data collection and tabulations: Work relating to annual report	Pres. Off. (Kochav)	In progress
26. Moderately complicated regression analysis: Imports related to GDP, population and population density for 66 countries	EDI (Dominguez)	In progress
27. Simple calculations: Spain 1962 and 1965 trade figures revised and tabulated	Spanish Mis. (Zarandin)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
28. Moderately complicated tabulation: IBRD-IDA disbursements in Canada, April- June 1966	Treasurer's (Jones)	In progress
29. Simple tabulation: Agricultural data of Republic of Congo	Africa (Booz)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analyses: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco. (Statistics)	In progress
2. Simple computer programs to calculate the compound interest and annuity tables	Eco. (Statistics)	In progress
3. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
4. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In progress
5. Simple computer programs to derive coeffi- cients for input to indus basin linear programming exercise	Proj. (Vergin)	Completed
6. Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
7. Simple computer program to print sample tables for the country data file (Greece)	Eco. (Levy)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Jamaica Telephone Co. chart	Proj. (Scoffier)	Completed
2. Tunisia - structure of education diagram revised	Proj. (Tugan)	Completed
3. Honduras - organization chart for Mr. Friedman's office	Proj. (Soges)	Completed
4. Nigeria - organization chart	Proj. (Nelson)	On hand
5. Karachi - Electric Supply Corporation	Proj. (Wyatt)	On hand
6. Manila - capacity requirements	We.Hemisp.(Monsod)	On hand
7. Argentina - sketch: relation between import and investment	Economics (Datas)	In progress
8. Iran - 3 charts	Eco. (de Weille)	Completed
9. Chile - educational pyramid	Eco. (Nunez)	Completed
10. One chart - relationship between imports of capital goods and fixed gross investment	Eco. (Datas)	On hand
11. 37 Commodity chart, revised updated	Eco. (Singh/Kamarok)	In progress
12. 6 charts to go to Johns Hopkins	Eco. (Latimer)	Completed
13. Kenya - 2 charts - hotel properties ltd. and foreign exchange earnings	IPC (Wells)	Completed
14. Philippines - Private Development Corp. organization chart	IPC (Hedberg)	Completed
15. Prices of specified growth of cotton chart	Pres.Off. (Whitaker)	Completed
16. Yields on long-term bond and IBRD commodity price index in selected capital markets	Pres.Off. (Kochav)	Completed
17. Display chart project	Pres.Off.(Friedman)	In progress
18. Greece - 2 organization charts	Mission (Schmacher)	In progress
19. Algeria - French version of charts	Mission (Siedel)	Completed

July 2, 1966

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest report
3. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets
4. Search for information on lending agencies in various countries.
5. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London
6. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards
7. Preparation of current data on yields of internal government bonds and stock indices
8. Preparation of current data on yields of IBRD bonds
9. Tabulation of IBRD loan disbursements
10. Maintenance of debt files
11. Highly technical drafting of manual of instructions for treatment and processing of external debt.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices
5. Maintenance of IBRD-IDA loans and credits by economic purpose

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ms

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Data	Requested by	Status
<u>AFRICA</u>		
CONGO - December 31, 1965	Ba	In progress
EASCO - December 31, 1965(new)		In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - June 30, 1965		In progress
MALAWI - December 31, 1965		In progress
MALI - December 31, 1965		In progress
TUNISIA - December 31, 1965	Edelman	Completed
UGANDA - December 31, 1965(new)	Bruce	In progress
<u>EUROPE-MIDDLE EAST</u>		
BELGIUM - December 31, 1965		In progress
CYPRUS - December 31, 1965		In progress
DENMARK - December 31, 1965	Zafirion	In progress
EUTHIOPIA - December 31, 1965 (new)	Kruithof	Completed
FRANCE - June 30, 1965		Completed
GREECE - December 31, 1965(new)		In progress
IRELAND - December 31, 1965(new)		In progress
ITALY - December 31, 1965 (new)		In progress
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress
<u>ECONOMICS</u>		
ALGERIA - December 31, 1965(new)	Lari	Completed
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & December 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965	Eory	In progress
CHILE - June 30, 1965	Reitter	Completed
COSTA RICA - December 31, 1965		In progress
ECUADOR - December 31, 1965	Shibusawa	Completed
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
MEXICO - December 31, 1964 and 1965	Lerdau	In progress
PERU - December 31, 1964(new)	Ross	Completed
June 30 and December 31, 1965	Wyes	In progress
VENEZUELA - December 31, 1965	Zirman	In progress
<u>SOUTH ASIA</u>		
INDIA - March, 1966; March, Sept., 1965; March, September, 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress

Statistics Division

IBRD-Economics Department  
July 21, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-56 and 1962-64 data. (Some data and analysis provided already).

6. Aluminum study:

Regression of consumption on industrial production, prices of aluminum and pig iron.

*Op. Admin*

Mr. Andrew M. Kamarck

July 11, 1966

Charles G. Goor *CG*

Progress Report of Statistics Division  
for the period June 16 to 30, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 1 country	Africa	Completed
For December 31, 1965: 5 countries(3 new)	"	In progress
For June 30, 1965 : 1 country	"	Completed
For June 30, 1965 : 1 country (new)	"	In progress
For December 31, 1965: 3 countries(1 new)	Europe-Middle East	Completed
For December 31, 1965: 5 countries	" " "	In progress
For June 30, 1965 : 1 country (new)	" " "	Completed
For June 30, 1965 : 1 country(new)	" " "	In progress
For December 31, 1965: 3 countries(1 new)	Far East	Completed
For December 31, 1965: 8 countries(2 new)	Western Hemisphere	In progress
For June 30, 1965 : 4 countries	" "	In progress
For December 31, 1964: 2 countries	" "	In progress
For December 31, 1963: 1 country	" "	In progress
For March, 1966 : 1 country	South Asia	In progress
For September, 1965 : 2 countries	" "	In progress
For March, 1965 : 1 country	" "	In progress
For September, 1964 : 1 country	" "	In progress
For March, 1964 : 1 country	" "	In progress
2. A highly involved statistical operation including financial analysis: Preparation for publication of historical tables to end 1964	A/E-ME/FE/SA/WH	In progress
3. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
4. A moderately complex data search: Descriptive table of foreign bonds publicly-issued in major capital markets, July 1 - December 31, 1965	Economics	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
5. Routine checking for discrepancies between debtor and creditor debt reports	Economics	Completed
6. Routine checking of calculations of grant element in categories of loans of selected countries	Economics	Completed
7. Research on types of projection of AID loans	Economics	In progress
8. Routine updating of historical tables to 1966 for Pakistan, Malaysia, Sudan, Nigeria, Portugal and Tunisia	Economics	In progress
9. Search for information: On lending agencies in various countries	Eco.(Eco. Staff)	In progress
10. Highly technical: Drafting of manual of instruction for treatment and processing of external debt	Eco. (Eco. Staff)	In progress
11. Routine consolidation of data and calculations: Updating estimates of debt outstanding and service payments for suppliers' credits study	Eco.(Kalmanoff)	Completed
12. Routine coding to produce EXIMBANK debt punchcards	Economics	In progress
13. Routine preparation of Graphs for econometric model of Mexico	Economics	In progress
14. Routine checking of reliability of revised editing program	Economics	In progress
15. Routine calculations of amortization schedule for proposed IBRD loan of India	So.Asia (Pollan)	Completed
16. Routine preparation of debt representation letter of India	So.Asia (Katz)	Completed
17. Simple data search and routine calculations: Chile - preliminary estimates of service payments due 1966-1975 on external public and private debt	We.Hemisp.(Wright)	Completed
18. Argentina - Routine calculation of debt service ratios, 1966 - 1975	We.Hemisp. (Ross)	In progress

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19.	Moderately complex: Preparation of historical table for Chile, 1956-65 of debts of the Central Bank	We.Hemisp.(Dosik)	In progress
20.	Chile - routine preparation of data for computing weighted average terms of loans outstanding June 30, 1966	We.Hemisp.(Reitter)	Completed
21.	Costa Rica - routine calculation of amor- tization schedules for proposed loans	We.Hemisp.(Rose)	Completed
22.	Jamaica - routine calculation of 3 amorti- zation schedules for proposed loans	Adm. (Agnew)	Completed
23.	Routine calculation: Greece - 4 amortization schedules for pro- posed bond settlement	E-M. East (Cope)	Completed
24.	Technical memorandum: Italy - debt report as of June 30, 1965	E-M. East	In progress
25.	Ceylon - updating December 31, 1964 pro- jection with proposed aid from a number of countries	Far East	In progress
26.	Malaysia - routine preparation of 1 amor- tization schedule for proposed IBRD loan	Far East	In progress
27.	Routine examination of material on Moroccan private debt	Africa (Golden)	In progress
28.	Senegal - moderately complex reconciliation of debt tables prepared by the Bank and Senegal	Africa	Completed
29.	A highly complex statistical operation in- cluding financial analysis: Preparation of an estimate of the world's external public debt as of December 31, 1965 and service for selected years	Pres.Off. (Kochav)	In progress
30.	Preparation of list of foreign bonds issued for developing countries in 1966	Pres.Off. (Saeed)	In progress

July 11, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. GENERAL STATISTICS</b>		
1. Complicated data search, moderately complex other factor: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco. (Singh)	In progress
2. Highly complicated data search and calculations: Export Experience Study (see Annex 2)	Eco. (de Vries)	In progress
3. Difficult data search and calculation: Demand for Steel (see Annex 2)	Eco. (Walstedt)	In progress
4. Complicated regression analysis: Aluminum study: some data search and analysis for various periods within 1900-1965 and for USA, Japan, Europe and world	Eco. (Huang)	In progress
5. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Eco. (Singh)	In progress
6. Simple regression analysis: UK imports of food grain related to price, consumer expenditure, and domestic production	Economics	Completed
7. Simple regression analysis: Argentina imports and imports of capital goods only related to GDP, value of manufacturing products, and gross fixed investment for 1955-64	Eco. (Dadas)	Completed
8. Moderately complicated regression analysis: Public current and capital expenditures by purpose (general services, defense, economic sciences, education, health, etc.) related to per capital GDP for some 36 developing countries taken together and in groups	Eco. (Sharif)	In progress
9. Simple regression analysis: OECD countries total nickel consumption related to growth of manufactures and GDP for 1955-64 and 1958-64 and projected to 1975	Eco. (Meier)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Simple calculations: Calculations on Kenya, Uganda and Tanzania tea export data 1947-64	Eco. (Ali)	Completed
11. Moderately complicated data collection: Historical series, revising 1963 and 1964 figures and adding 1965 prices in "The Commodity Problem"	Eco. (Maccone)	Completed
12. Simple data collection: Historical series of actual and real prices for varieties of tea	Eco. (Ali)	Completed
13. Simple regression analysis: U.S. export unit values of selected commodities (corn etc.) related with stocks and seasonal prices	Economics	Completed
14. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - Traffic Statistics, Cost estimates and expenditures, Labor force, Peru and Bolivia Income Statement, Consolidated trial balance, etc. for Southern Ry., Central Ry., Lake steamers, Guaqui-La Paz	Proj. (Sander)	On hand
15. Simple coding for computer and calculations: IBRD loan disbursements by purpose and determination of percent disbursed	Proj. (Chadenet)	In progress
16. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In progress
17. Routine checking: Statistical calculations in East Nigeria oil palm rehabilitation report	Proj. (Walden)	Completed
18. Complicated data collection and tabulations: Work relating to Annual Report	Pres. Off. (Kochav)	In progress
19. Simple calculations: Calculations on Spain tourism data (arrivals, accommodations, etc.)	Spanish Mis. (Fairmont)	Completed

July 11, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated data manipulation: Argentina petroleum study: checking, correcting and re-calculating data and re- sults, ascertaining figures agreed with test	We.Hemisp. (Ross)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analyses: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco. (Statistics)	In progress
2. Simple computer programs to calculate the Compound Interest and Annuity Tables	Eco. (Statistics)	In progress
3. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
4. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In progress
5. Simple computer programs to derive inten- sities for input to Indus Basin Linear Programming exercise	Proj. (Vergin)	In progress
6. Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
7. Simple computer program: Computing a country growth model to be applied to the Mexican economy	We.Hemisp. (Krieger)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Thailand - four schedules	Proj. (Grant)	Completed
2. 4 charts - Analysis of projects	Proj. (Chadenet)	On hand
3. Malawi - 3 educational charts	Proj. (Stewart)	Completed
4. Chile - 1 chart	Proj. (Van Gent)	Completed
5. Crown Lands Development - Project of Trinidad	Proj. (Helmert)	Completed
6. Jamaica Telephone Co. chart	Proj. (Schoffier)	On hand
7. Iran - 3 charts	Eco. (de Weille)	In progress
8. Plywood - 7 charts	Eco. (Khan)	Completed
9. Chile - Educational Pyramid	Eco. (Nunez)	In progress
10. One chart - relationship between Imports of Capital Goods and Fixed Gross Investment	Eco. (Dantas)	On hand
11. 37 Commodity chart, revised updated	Eco. (Singh/Kamarok)	On hand
12. L.C. chart - Republic of So. Africa	E-M. East (Menezes)	Completed
13. IBRD Staff Retirement Plan - 1 new chart and 2 updated	Treas. (Mazzitti)	Completed
14. Kenya - Nairobi hotel chart	IFC (Wells)	On hand
15. Philippines - Private Development Corp. Organization chart	IFC (Hedberg)	In progress
16. Prices of Specified Growth of Cotton Chart	Pres. Off. (Whitaker)	On hand

July 11, 1966

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest semi-annual report
3. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
4. Compilation of data on European dollar bonds issued in 1963 and 1964
5. Yields, deposit rates, weighted averages of Eurodollar issues in London
6. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965
7. Preparation of current data on yields of internal government bonds and stock indices
8. Preparation of current data on yields of IBRD bonds
9. Tabulation of IBRD loan disbursements
10. Maintenance of debt files

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ims

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
CONGO - December 31, 1965 (new)	Ba	In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - June 30, 1965 (new)		In progress
MALAWI - December 31, 1965 (new)		In progress
MALI - December 31, 1965 (new)		In progress
MOROCCO - June 30 and December 31, 1965	Golden	Completed
TUNISIA - December 31, 1965	Kao	In progress
<u>EUROPE-MIDDLE EAST</u>		
BELGIUM - December 31, 1965		In progress
CYPRUS - December 31, 1965		In progress
DENMARK - December 31, 1965	Zafirdou	In progress
FINLAND - December 31, 1965 (new)		Completed
FRANCE - June 30, 1965 (new)		In progress
JORDAN - December 31, 1965		Completed
MAURITIUS - June 30, 1965 (new)		Completed
SOUTH AFRICA - December 31, 1965		Completed
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	In progress
YUGOSLAVIA - December 31, 1965	Simmons	In progress
<u>FAR EAST</u>		
AUSTRALIA - December 31, 1965		Completed
CEYLON - December 31, 1964 (new)		Completed
JAPAN - December 31, 1965		Completed
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 & December 31, 1965	Ross	In progress
BOLIVIA - December 31, 1965 (new)	Eory	In progress
CHILE - June 30 and December 31, 1965	Reitter	In progress
COSTA RICA - December 31, 1965 (new)		In progress
ECUADOR - December 31, 1965	Shibusawa	In progress
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
MEXICO - December 31, 1964 and 1965	Lerdau	In progress
PERU - June 30 and December 31, 1965	Wyss	In progress
VENEZUELA - December 31, 1965	Zirnan	In progress
<u>SOUTH ASIA</u>		
INDIA - March, 1966; March, Sept., 1965; March, September, 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser, consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-56 and 1962-64 data. (Some data and analysis provided already).

4. Aluminum Study:

Regression of consumption on industrial production, prices of aluminum and pig iron.

Mr. George Kalmanoff

June 30, 1966

Attila Karaosmanoglu

Progress Report

1. Attended the Orientation Seminar.
2. Commented on Mr. Christoffersen's paper on suppliers' credits.
3. Revised the statistical annex for the suppliers' credits study.
4. Prepared tables requested by UNCTAD on IBRD, IDA and IFC operations.

AK/GW A.K.

Mr. George Kalmanoff

June 30, 1966

B. Rao *LR*

Progress Report

A note supplemented by several tables on the estimated amount of financial assistance on "soft" terms to LDCs is in process of completion and should be ready by today or tomorrow.

A proposal for supplementary resources for the African Development Bank on IDA terms has apparently been suggested by the President of ADB; this is being investigated.

BRao/GW

Mr. Andrew M. Kamarck

June 21, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period June 1 to 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 2 countries	Africa	Completed
For December 31, 1965: 3 countries (1 new)	"	In progress
For June 30, 1965 : 1 country (new)	"	In progress
For December 31, 1965: 3 countries	Europe-Middle East	Completed
For December 31, 1965: 7 countries (3 new)	" " "	In progress
For June 30, 1965 : 1 country	" " "	Completed
For December 31, 1965: 1 country	Economics	Completed
For December 31, 1965: 2 countries (1 new)	Far East	In progress
For March, 1966 : 1 country (new)	South Asia	In progress
For September, 1965 : 2 countries	" "	In progress
For March, 1965 : 1 country	" "	In progress
For September, 1964 : 1 country	" "	In progress
For March, 1964 : 1 country	" "	In progress
For December 31, 1965: 4 countries (1 new)	Western Hemisphere	In progress
For June 30, 1965 : 4 countries	" "	In progress
For December 31, 1964: 2 countries (1 new)	" "	In progress
For December 31, 1963: 1 country	" "	In progress
2. A highly involved statistical operation including financial analysis: Preparation for publication of historical tables to end 1964	A/E-ME/FE/SA/WH	In progress
3. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
4. A moderately complex data search: Descriptive table of foreign bonds publicly-issued in major capital markets, July 1 - December 31, 1965	Economics	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
5. Routine preparation of list of AID loan agreements held by Bank	Economics	Completed
6. Routine maintenance of debt files	Economics	In progress
7. Routine checking of calculations of grant element in categories of loans of selected countries	Economics	In progress
8. Routine checking of creditor material covering loans from Kuwait to Middle East and Africa	Economics	Completed
9. Routine calculation of disbursements to and repayments of all developing countries in 1963 on IERD loans	Economics(Kalmanoff)	Completed
10. Search for information: On lending agencies in various countries	Eco.(Eco. Staff)	In progress
11. Highly technical: Drafting of manual of instruction for treatment and processing of external debt	Eco. (Eco. Staff)	In progress
12. Simple data search and routine calculations: Chile - preliminary estimates of service payments due 1966-1975 on external public and private debt	We.Hemisp.(Wright)	In progress
13. Drafting of highly technical memorandum: Colombia - questions on debt submission as of December 31, 1965	We.Hemisp.(Frost)	Completed
14. Routine preparation: Brazil - 4 amortization schedules for proposed IERD loans	We.Hemisp.(Gue)	Completed
15. Argentina - Routine calculation of amortization schedule for proposed IERD loan	We.Hemisp.	Completed
16. Routine calculations: Yields to maturity of selected Jamaican bonds in New York and London	We.Hemisp.(van der Heijden)	Completed
17. Colombia - Technical memorandum on debt reports as of 6/65 and 12/65	We.Hemisp.	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
18. U.A.R. - Preparation of List of debts from Eastern European countries signed in 1964-65	E-M.East	Completed
19. Routine preparation of 2 amortization schedules for proposed IBRD loans - Spain	E.-M.East(Vacchelli)	Completed
20. Routine calculation: South Africa - IBRD net investments including and excluding sales	E.M.East(Menezes)	Completed
21. Routine listing of all public and private debts of Tunisia as of Dec. 31, 1965	Africa(Edelman)	Completed
22. Kenya - Detailed discussion of debts with Mr. M. Dixon from Kenya Treasury	Africa	Completed
23. Africa - Routine consolidation of debt tables for UNECA conference	Africa(Galika)	Completed
24. Algeria - Technical memorandum on debt report as of June 30, 1965	Africa(Golden)	Completed
25. A highly complex statistical operation including financial analysis: Preparation of an estimate of the world's external public debt as of Dec. 31, 1965 and service for selected years	Pres.Off. (Kochav)	In progress
26. Preparation of list of foreign bonds issued for developing countries in 1966	Pres.Off.(Saeed)	In progress
27. Routine coding to produce EXIMBANK debt punchcards	Economics	In progress
28. Routine calculation: Brazil - Revision of table on service payments on debt outstanding as of 6/30/65 plus projected new debts to end as of 1968	We.Hemis.(Sapir)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factor: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco. (Singh)	In progress
2. Highly complicated data search and calculations: Export Experience Study (see Annex 2)	Eco. (de Vries)	In progress
3. Difficult data search and calculation: Demand for Steel (see Annex 2)	Eco. (Walstedt)	In progress
4. Complicated regression analysis: Aluminum study: some data search and analysis for various periods within 1900-1965 and for USA, Japan, Europe and world	Eco. (Huang)	In progress
5. Simple computer program: Rates of return calculations on 18 cost benefit series	Eco. (Cilingiroglu)	Completed
6. Moderately complicated tabulation: Machinery and related imports of Spain	Eco. (Walstedt)	Completed
7. Moderately complicated data search: Exports of various agricultural and mining products of developing countries (part of capital requirements study)	Eco. (Singh)	In progress
8. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - Traffic Statistics, Cost estimates and expenditures, Labor force, Peru and Bolivia Income Statement, Consolidated trial balance, etc. for Southern Ry., Central Ry., Lake steamers, Guacui-La Paz	Proj. (Sander)	On hand
9. Simple coding for computer and calculations: IBRD loan disbursements by purpose and determination of percent disbursed	Proj. (Chadenet)	In progress
10. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In progress

Mr. Andrew M. Kamarok

June 21, 1966

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| 11. Moderately difficult calculations:<br>Chile - Index of agricultural production and<br>adjustment by price indices, fitting of trend<br>lines for growth rates in production        | Proj. (Picciotto)                            | Completed   |
| 12. Simple calculations:<br>Some computations on Sudan Land Clearance<br>data  | Proj. (Nelson)                               | Completed   |
| 13. Routine checking:<br>Statistical calculations in Sudan Report  | Proj. (Walden)                               | Completed   |
| 14. Complicated data collection and tabulations:<br>Work relating to Annual Report   | Pres.Off. (Kochav)                           | In progress |
| 15. Moderately complicated tabulation:<br>IBRD disbursements by supplier in Norway   | INF (Sankaran)                               | Completed   |
| 16. Preparation of correspondence:<br>IBRD disbursements in heavy duty equipment -<br>examined possibility of data collection (will<br>involve time consuming complicated data search) | INF(Graves)                                  | Completed   |
| 17. Simple data collection and tabulation:<br>Argentina - exports of commodities   | Wiem. (Ross)                                 | Completed   |
| 18. Moderately complicated tabulation:<br>Algeria - commodity exports and imports of<br>various items, 1949-62; (some items also by<br>destination)                                    | (Lari and<br>Villa-<br>Algerian Mis. fuerte) | Completed   |
| 19. Moderately difficult data search:<br>Cost of living index for Johannesburg and<br>South Africa   | Legal (Broches)                              | Completed   |

Mr. Andrew M. Kamarok

June 21, 1966

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C.	<u>PROGRAMMING</u>		
1.	Highly complex system analyses: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco. (Statistics)	In progress
2.	Moderately complex computer program: To prepare data on IERD loan disbursements	Proj. (Chadenet)	In progress
3.	Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In progress
4.	Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
5.	Simple computer program: Computing a country growth model to be applied to the Mexican economy	W.Hen. (Krieger)	In progress

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Mr. Andrew M. Kamarok

June 21, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
D. <u>GRAPHICS</u>		
1. Jamaica - One educational Diagram and One educational pyramid	Proj. (Macris)	Completed
2. Nigerian Railway Corporation - 5 charts	Proj. (Sander)	Completed
3. Peru - one schedule - Education Project to be prepared for printing	Proj. (McMahon)	Completed
4. Thailand - four schedules	Proj. (Grant)	In progress
5. 4 charts - Analysis of projects	Proj. (Chadenet)	On hand
6. Singapore chart	Proj. (White)	Completed
7. Malawi - 3 educational charts	Proj. (Stewart)	In progress
8. Chile - 1 chart	Proj. (Van Gent)	On hand
9. Crown Lands Development - Project of Trinidad	Proj. (Helmers)	On hand
10. Korea - 3 charts - Capital Inflow and Ratio of Debt Service	Korean Mis. (Jansen)	Completed
11. 1 diagram - Argentina - Allocation of taxes on motor fuel, natural gas, and electricity	Argen. Proj. (Hinrichs)	Completed
12. Mexico - 4 charts and one organization chart	Mexico Mis. (Lerdau)	Completed
13. Aluminum charts updated and revised	Eco. (Huang)	Completed
14. Iran - 1 chart	Eco. (de Wille)	On hand
15. L.C. chart - Republic of So. Africa	E. & M. East (Menezes)	In progress
16. IBRD Staff Retirement Plan - 1 new chart and 2 updated	Treas. (Mazzitti)	On hand
17. IBRD/IFC Administrative Expenses	Treas. (Poore)	Completed
18. Algeria - 2 diagrams lined	Algerian Mis. (Seidel)	Completed
19. Algeria - 2 charts	Algerian Mis. (Seidel)	Completed

Mr. Andrew M. Kamarek

June 21, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Developing Countries - 3 charts	Pres. Off.(Kochav)	Completed
21. IBRD chart	Pres. Off.(Kochav)	Completed

Mr. Andrew M. Kamarek

June 21, 1966

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest semi-annual report
3. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
4. Compilation of data on European dollar bonds issued in 1963 and 1964
5. Yields, deposit rates, weighted averages of Eurodollar issues in London
6. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965
7. Preparation of current data on yields of internal government bonds and stock indices.
8. Preparation of current data on yields of IBRD bonds.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ims  
cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ETHIOPIA - December 31, 1965		Completed
KENYA - December 31, 1965	Bruce	In progress
MOROCCO - June 30 and December 31, 1965(new)	Golden	In progress
NIGERIA - December 31, 1965		Completed
TUNISIA - December 31, 1965	Kao	In progress
<u>ECONOMICS</u>		
ALGERIA - December 31, 1965	Leon & Lari	Completed
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1965		Completed
BELGIUM - December 31, 1965		In progress
CYPRUS - December 31, 1965		In progress
DENMARK - December 31, 1965	Zafirion	In progress
JORDAN - December 31, 1965(new)		In progress
SOUTH AFRICA - December 31, 1965 (new)		In progress
SPAIN - December 31, 1965		Completed
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	In progress
YUGOSLAVIA - December 31, 1965 (new)	Simsom	In progress
YUGOSLAVIA - June 30, 1965		Completed
<u>FAR EAST</u>		
AUSTRALIA - December 31, 1965		In progress
JAPAN - December 31, 1965 (new)		In progress
<u>SOUTH ASIA</u>		
INDIA - March 1966; March, September, 1965; March, September, 1964	Votaw	In progress
IRAN - September, 1965	Merat	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 and December 31, 1965	Ross	In progress
CHILE - June 30, 1965	Reitter	In progress
ECUADOR - December 31, 1965(new)	Shibusawa	In progress
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
MEXICO - December 31, 1964 and 1965	Lerdau	In progress
PERU - June 30 and December 31, 1965	Wyss	In progress
VENEZUELA - December 31, 1965	Zirnan	In progress

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-56 and 1962-64 data. (Some data and analysis provided already).

8. Aluminum Study:

Regression of consumption on industrial production, prices of aluminum and pig iron.

Op. Admin

Mr. Andrew M. Kamarck

June 16, 1966

Bertil Walstedt

Bimonthly Report, June 1-15, 1966

### General

1. During the last two weeks, the group was concerned primarily with completion of Mission reports (Spain, Algeria, Mexico) and with preparation for the next stage of the Industrial Protection Study. A substantial amount of work was also done in commenting upon a report regarding "The Industrial Development of Pakistan". Baranson coordinated this work but several people (Cilingiroglu, Datas, Guillot, Miss May, and Nowicki) contributed comments on different industries.

### Mission Work

2. Guillot presented his report on Algerian industry to the head of the Algerian Mission.

3. Walstedt and Lall worked on the Industry Annex of the Spanish Mission and hope to complete a first draft by June 20.

4. Datas completed the first draft of a report on the heavy mechanical equipment industry for the Mexican Mission.

### Industrial Protection Study

5. Several discussions were held regarding the future work on the Industrial Protection project, and most of the priorities and assignments for the next six months were fixed.

6. Baranson began work on the country study for Argentina while Villela started a similar study on Brazil.

7. Cilingiroglu started a study of the heavy mechanical equipment industry in Brazil. His main assignment, however, will be the overall report on the heavy electrical equipment industry.

8. Our two Research Assistants will also become involved in the Industrial Protection Study. Thus, Miss Martinez started working on the report on the motor vehicle industry in Brazil under Mr. Cilingiroglu's guidance.

9. In connection with the import substitution study, Mr. Cilingiroglu will present proposals for a bimonthly reporting schedule along the same general lines as the periodic progress reports by the Investment Planning group.

  
BWalstedt/hd

cc: Messrs. de Vries, Collier, King, Bohr  
Industrialization Group

Mr. Otto Maiss

June 16, 1966

Dina Driva D.D.

Progress Report

I continue working on the capital requirements of Thailand and Ethiopia.

DD/GW

By Admin

Mr. George Kalmanoff

June 15, 1966

Vinod Dubey

Progress Report

VD

Continued to work on the import substitution and protection study.

VD/GW

Op admin

Mr. George Kalmanoff

June 15, 1966

Attila Karaosmanoglu

Progress Report

1. Studied some literature on the calculation of capital requirements.
2. Studied the report on Nigeria's debt servicing burden and terms of borrowing to prepare comments requested by Mr. Kamarck.

AK/GW

A-K.

Mr. Andrew M. Kamarck

June 6, 1966

Charles G. Goor *CGG*

Progress Report of Statistics Division  
for the period May 16 to May 31, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
For December 31, 1965: 4 countries	Africa	In progress
For December 31, 1965: 6 countries (3 new)	Europe-Middle East	In progress
For June 30, 1965 : 1 country	" " "	In progress
For December 31, 1965: 1 country (new)	Economics	In progress
For December 31, 1965: 1 country (new)	Far East	In progress
For September, 1965 : 2 countries	South Asia	In progress
For March, 1965 : 1 country	" "	In progress
For September, 1964 : 1 country	" "	In progress
For March, 1964 : 1 country	" "	In progress
For December 31, 1965: 3 countries (new)	Western Hemisphere	Completed
For December 31, 1965: 4 countries	" "	In progress
For June 30, 1965 : 1 country (new)	" "	Completed
For June 30, 1965 : 4 countries	" "	In progress
For December 31, 1964: 1 country	" "	In progress
For December 31, 1963: 1 country	" "	In progress
<b>2. Routine calculation:</b>		
Three years' service payments on debt of Tunisian Government and enterprises	Afr. (U Tun Wai)	Completed
<b>3. Routine calculation:</b>		
IBRD net investments and commitments including 2 proposed loans	Africa	Completed
<b>4. Routine preparation of amortization schedule:</b>		
Zambia - Proposed IBRD loan	Africa	Completed
<b>5. A highly involved statistical operation including financial analysis:</b>		
Preparation for publication of historical tables of end 1964	A/E-ME/FE/SA/WH	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress
7. A moderately complex data search: Descriptive table of foreign bonds publicly- issued in major capital markets, July 1 - December 31, 1965	Economics	In progress
8. Routine calculation: Korea - Gross capital inflow required to service debt, on various assumptions	Far East (Jansen)	Completed
9. A highly complex statistical operation in- cluding financial analysis: Preparation of an estimate of the world's external public debt as of Dec. 31, 1965	Pres.Off. (Kochav)	In progress
10. Simple data search and routine calculations: Chile - preliminary estimates of service pay- ments due 1966-1975 on external public and private debt	We.Hemisp. (Wright)	In progress
11. Routine calculation: Brazil - IBRD Net Investments and commitments including 3 proposed new loans	We.Hemisp. (Husain)	Completed
12. Drafting of highly technical memorandum: Colombia - questions on debt submission as of December 31, 1965	We.Hemisp. (Frost)	In progress
13. Difficult reconciliation of reports on out- standing debt: Argentina - December 31, 1964 and 1965	We.Hemisp. (Ross)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. <u>GENERAL STATISTICS</u></b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco. (Singh)	In progress
2. Highly complicated data search and calculations: Export Experience Study (see Annex 2)	Eco. (de Vries)	In progress
3. Difficult data search and calculation: Demand for Steel (see Annex 2)	Eco. (Walstedt)	In progress
4. Difficult data search: 5 countries currency conversion rates, 1900 - 1929	Eco. (Asanuma)	Completed
5. Simple calculations: Regression Analysis of Various oils and oil-seeds exportations	Eco. (Dieter Elz)	Completed
6. Simple calculations: Malawi - miscellaneous calculations needed for charting central government development expenditures on education	Eco. (Oldham)	Completed
7. Simple calculations: W.H., Europe and Africa (less dev. countries) net official aid: IFS exchange rates per country, conversions from \$ to local currency-	Eco. (Vial)	Completed
8. Complicated regression analysis: Aluminum study: some data search and analysis for various periods within 1900-1965 and for USA, Japan, Europe and world	Eco. (Huang)	In progress
9. Simple tabulation: Set up exports tables by major commodity and country (Korea)	Korean Mis. (Reedy)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - Traffic Statistics, Cost estimates and expenditures, Labor force, Peru and Bolivian Income Statement, Consolidated trial balance, etc. for Souther Ry., Central Ry., Lake steam- ers, Guaqui-La Paz	Proj.(Sander)	On hand
11. Simple coding for computer and calculations: IERD loan disbursements by purpose and deter- mination of percent disbursed	Proj.(Chadenet)	In progress
12. Highly technical statistical analysis: Optimum cost model of an educational project	Proj.(Hultin)	In progress
13. Moderately difficult calculations: Nigeria - checking cash flow for western Nigerian Cocoa Project	Proj. (Rowe)	Completed
14. Charts and moderately difficult calculations: Ireland - Production and exports of main agri- cultural products - 5-year average and growth rate	Proj. (Harna)	Completed
15. Routine checking: Checking the figures in supplementary apprai- sal of the third expressway project - Tokyo - Shizuoka	Proj.(Birion)	Completed
16. Moderately difficult calculations: Chile - Index of agricultural production and adjustment by price indices, fitting of trend lines for growth rates in production	Proj.(Picciotto)	In progress
17. Simple computer program: Nigerian cocoa - rate of return for cash flow	Proj.(Nelson)	Completed
18. Complicated data collection and tabulations: Work relating to Annual Report	Pres.Off.(Kochav)	In progress
19. Simple tabulation: Table on GDP, investment, savings and re- sources in Brazil	West.Hemisp.(Busain)	Completed
20. Moderately difficult collection of data: Preparation of tables for Argentina report	West.Hemisp.(Ross)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. <u>PROGRAMMING</u>		
1. Highly complex system analyses: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco.(Statistics)	In progress
2. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj.(Chadenet)	In progress
3. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
4. Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
5. Simple computer program: Computing a country growth model to be applied to the Mexican economy	West.Hemisp.(Krieger)	In progress

June 6, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Tunisia - 2 educational diagrams and 1 organizational pyramid	Proj. (Tuqan)	Completed
2. Malaysia - 2 charts - National Electricity Board	Proj. (D.King)	Completed
3. Jamaica - One educational Diagram and One educational pyramid	Proj. (Macris)	On hand
4. Malawi - 4 charts	Proj. (Pichler)	Completed
5. Ceylon - one chart - Numbers of Schools by Class Structure	Proj. (McLellan)	Completed
6. Nigerian Railway Corporation - 5 charts	Proj. (Sander)	In progress
7. Sudan - organization chart revised - Land Clearance and Mechanised Cultivation	Proj. (Nelson)	Completed
8. Peru - one schedule - Education Project to be prepared for printing	Proj. (McMahon)	On hand
9. Malawi - Summary of Costs Table lined	Proj. (Kulsky)	Completed
10. Thailand - one organization chart and six schedules	Proj. (Grant)	On Hand
11. 4 charts - Analysis of projects	Proj. (Chadenet)	On Hand
12. Korea - one chart - Relationship Between GNP, Commodity Imports and Current Account Deficit	Korea Mis.(Jansen)	Completed
13. Korea - 3 charts - Capital Inflow and Ratio of Debt Service	Korea Mis.(Jansen)	In progress
14. Korea - one chart - Dependent and Working Age Population in Korea, Taiwan and Japan	Korea Mis.(Gulhati)	Completed
15. 1 diagram Argentina - Allocation of taxes on motor fuel, natural gas, and electricity	Argan.Proj.(Hinrichs)	In progress
16. Algeria - one chart	Alge. Mis.(Van Helden)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
17. One SLC chart - Bank Loans to So. Africa	Eu/M.East(Menezes)	Completed
18. Algeria - 2 charts - Rainfall and Stream Flow in 3 N. Algerian Valleys	Alge.Mis.(Seidel)	Completed
19. One SLC chart - Bank Loans to Brazil	West.Hemis.(Husain)	Completed
20. Mexico - 4 charts and one organization chart	Mexico.Mis.(Lerdau)	On hand
21. 2 charts updated and revised	Economics(Huang)	In progress
22. 1 diagram inked	Economics(Villafuerte)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan -preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest semi-annual report
3. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
4. Compilation of data on European dollar bonds issued in 1963 and 1964
5. Yields, deposit rates, weighted averages of Eurodollar issues in London
6. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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ms

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ETHIOPIA - December 31, 1965		In progress
KENYA - December 31, 1965	Bruce	In progress
NIGERIA - December 31, 1965		In progress
TUNISIA - December 31, 1965	Kao	In progress
<u>ECONOMICS</u>		
ALGERIA - December 31, 1965(new)	Leon & Lari	In progress
<u>EUROPE-MIDDLE EAST</u>		
AUSTRIA - December 31, 1965(new)		In progress
BELGIUM - December 31, 1965		In progress
CYPRUS - December 31, 1965(new)		In progress
DENMARK - December 31, 1965	Zafirion	In progress
SPAIN - December 31, 1965(new)		In progress
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	In progress
YUGOSLAVIA - June 30, 1965		In progress
<u>FAR EAST</u>		
AUSTRALIA - December 31, 1965 (new)		In progress
<u>SOUTH ASIA</u>		
INDIA - March, September, 1965; March, September, 1965	Votaw	In progress
IRAN - September, 1965	Merat	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 and December 31, 1965	Ross	In progress
CHILE - June 30, 1965	Reitter	In progress
COLOMBIA - December 31, 1965(new)	Frost	Completed
ECUADOR - June 30, 1965		Completed
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
JAMAICA - December 31, 1965(new)	Schmitt	Completed
MEXICO - December 31, 1965	Lerdau	In progress
NICARAGUA - December 31, 1965	van der Heijden	Completed
PERU - June 30 and December 31, 1965	Wyss	In progress
VENEZUELA - December 31, 1965	Zirnan	In progress

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trend and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production, related to variables such as yield, fertiliser consumption, price, and irrigation. Data analyzed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index. (Some data provided)

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-55 and 1962-64 data. (Some data and analysis already provided).

5. Trend lines of 3 commodities in 2 different time periods (about 10 years) each.

6. Aluminum Study:

Regression of consumption on industrial production, prices of aluminum and pig iron.

Annex 3: Statistics Division Manhours, by requesting Department and by section assigned, May 16 to 31, 1966

STATISTICS DIVISION

APPROXIMATE TIME ALLOCATED FOR THE PERIOD OF MAY 16 TO 31, 1966.

DEPARTMENTS	EXT. DEBT	GEN. STAT.	GRAPHICS	
AFRICA	213.00		13.00	226.00
ECONOMICS	137.50	420.00	43.00	600.50
E D I	3.00			3.00
E ME	197.00		3.00	200.00
EUROPEAN OFFICE	2.00			2.00
FAR EAST	31.00	3.00	17.00	51.00
OFFICE OF PRESIDENT	132.00			132.00
PROJECTS		58.00	76.00	134.00
SOUTH ASIA	20.00			20.00
WESTERN HEMISPHERE	439.00	56.00	8.00	503.00
	1,174.50	537.00	160.00	1,871.50
ANNUAL LEAVE	44.00		16.00	60.00
HOLIDAY	104.00	48.00	16.00	168.00
SICK LEAVE	36.00	16.00		52.00
	184.00	64.00	32.00	280.00
	1,358.50	601.00	192.00	2,151.50
			TOTAL	

Not e: The manhours shown in this table exclude the Programming Section, other professional and secretarial activity, and, for the Economics Department reflect regularly recurring statistical charts and tables not specifically requested.

Mr. George Kalmanoff

June 1, 1966

Attila Karaosmanoglu

Progress Report

1. I have prepared a bibliography for Mr. Demuth on "Private Foreign Investments in Developing Countries".
2. I have attended the course in Modern Analytic Methods.
3. I have started studying the documents on the problem of "Estimation of External Capital Requirements" and got in touch with Mr. Maane as suggested by Mr. de Vries.

AKaraosmanoglu/GW A.K.  
May 27, 1966

*André Adrien*  
*Operations Admin*

Mr. Andrew M. Kamarch

May 26, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period May 1 to May 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
1. Posting, coding and preparation of debt tables: (for detail see Annex 1 attached)		
For December 31, 1964: 1 country	Africa	Completed
For December 31, 1965: 4 countries	"	In progress
For June 30, 1965 : 1 country	"	Completed
For December 31, 1965: 1 country	Europe-Middle East	Completed
For : 3 countries	" " "	In progress
For June 30, 1965 : 1 country	" " "	In progress
For December 31, 1965: 1 country	Far East	Completed
For September, 1965 : 2 countries	South Asia	In progress
For March, 1965 : 1 country	" "	In progress
For September, 1964: 1 country	" "	In progress
For March, 1964 : 1 country	" "	In progress
For December 31, 1965: 4 countries (1 new)	Western Hemisphere	In progress
: 1 country	" "	Completed
For June 30, 1965 : 5 countries	" "	In progress
For December 31, 1964: 1 country	" "	In progress
For December 31, 1963: 1 country	" "	In progress
2. Routine calculation: Three years' service payments on debt of Tunisia Government and enterprises	Afr. (U Tun Wai)	In progress
3. Routine calculation: Schedule for proposed IBRD loan to Senegal	Afr. (Cojet)	Completed
4. A highly involved statistical operation in- cluding financial analysis: Preparation for publication of historical tables to end 1964	A/E-ME/FE/SA/WH	In progress
5. Routine coding for computer: Iran - coding of IBRD, AID, Exim, on a fiscal basis	Economics	In progress

May 26, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
6. A moderately complex data search including financial analysis: Descriptive table of foreign bonds publicly-issued in major capital markets, July 1 - December 31, 1965	Economics	In progress
7. Routine calculation of data and simple calculations: Updating estimates of amounts outstanding December 31, 1965 and service 1965-1971 (total debt and suppliers' credits) for 36 selected countries; computing ratios of suppliers' credits to totals	Eco. (Kalmanoff)	Completed
8. Moderately complex coding for computer and financial analyses of data: Colombia - preparation of historical table on suppliers' credits 1958-1964 by purpose of debt	Eco. (Christoffersen)	Completed
9. Routine consolidation of data and tabulations: Final summary table of foreign bonds and equities publicly-issued and privately-placed in major capital markets during 1965	Eco. (for distr.)	Completed
10. Routine data search and calculations: Ghana - estimate of outstanding public debt and service payments for 1966-1971	Eco. (Kamarek)	Completed
11. A highly complex statistical operation including financial analysis: Preparation for an estimate of the world's external public debt as of Dec. 31, 1965	Pres. Off. (Kochav)	In progress
12. Simple data search and routine calculations: Chile - preliminary estimates of service payments due 1966-1975 on external public and private debt	We.Hemisp. (Wright)	In progress
13. Routine consolidation of data and simple calculations: List of Peru's privately-placed debts with amounts outstanding December 31, 1965	We.Hemisp. (Wyss)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>B. GENERAL STATISTICS</b>		
1. Complicated data search, moderately complex other factors: Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings (see Annex 2)	Eco. (Singh)	In progress
2. Highly complicated data search and calculations: Export Experience Study (See Annex 2)	Eco. (de Vries)	In progress
3. Difficult data search and calculations: Demand for Steel (See Annex 2)	Eco. (Walstedt)	In progress
4. Moderately complicated calculations: Economic indicators of the World Sugar Market: data collection on production, consumption ex- ports; calculation of moving averages, unit values and indexes	Eco. (Lovasy)	Completed
5. Complicated data search: Wholesale price indexes for selected countries 1900 - 1965	Eco. (Asanuma)	Completed
6. Complicated data collection: Compiling natural gas statistics	Eco. (Villafructe)	Completed
7. Simple data collection and calculations: Exports of capital goods to LDC's from Indus- trialized countries in 1964	Eco. (Nespoulous-Neuville)	Completed
8. Simple calculations: 3 yr. moving averages of cocoa consumption and production with graphs, 1955-1965	Eco. (Lovasy)	Completed
9. Difficult data search: 5 countries currency conversion rates, 1900-1929	Eco. (Asanuma)	In progress
10. Moderately difficult calculation: Copper price study - price deflation (3 coun- tries) currency conversion used computation of new indexes 1900 - 1965	Eco. (Asanuma)	Completed
11. Simple tabulation: Table on agricultural commodity export of France	Eco. (Lari)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
12. Simple tabulation and calculation: Investment (private and public) flow to selected developing countries	Eco. (Lari)	Completed
13. Simple programming for computer: 2 matrix inversions	Eco. (Elsaas)	Completed
14. Complicated data collection and tabulations: Work relating to Annual Report	Pres. Off. (Kochav)	In progress
15. Moderately complicated consolidation of data: Peru - re-classifying data for loan #334 - The Peruvian Corporation Limited: 1963/64 to date - Traffic Statistics, Cost estimates and expenditures, Labor force, Peru and Bolivia Income Statement, Consolidated trial balance, etc. for Southern Ry., Central Ry., Lake steam- ers, Guaqui-La Paz	Proj. (Sander)	On hand
16. Simple coding for computer and calculations: IBRD loan disbursements by purpose and deter- mination of percent disbursed	Proj. (Chadenet)	In progress
17. Highly technical statistical analysis: Optimum cost model of an educational project	Proj. (Hultin)	In progress
18. Moderately difficult calculations: Nigeria - checking cash flow for western Nigeria Cocoa Project	Proj. (Rowe)	In progress
19. Routine checking of figures: Cameroon development project	Proj.	Completed
20. Charts and moderately difficult calculations: Ireland - Production and exports of main agri- cultural products - 5-year average and growth rate	Proj. (Harma)	In progress
21. Routine checking of figures: Panama Road project report	Proj. (Jaycox)	Completed
22. Routine checking of figures: Singapore Port Report	Proj.	Completed
23. Simple programming for computer: Eastern Nigeria Cocoa project - Rate of Return	Proj. (Rowe)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
24. Simple programming for computers: Iceland project - Rate of return	Proj. (Whyte)	Completed
25. Moderately difficult tabulation: Revision of Colombian statistical tables	We.Hemisp.(Frost)	Completed
26. Difficult data collection, calculation and tabulation: Calculation of statistical tables for Central American Mission	We.Hemisp.(Kuczynski)	Completed
27. Simple programming for computer: Correlation Analysis for the Mexican Mission (see Annex 2)	We.Hemisp.(Hogg)	Completed
28. Simple data assembling: Preparing Fund quotas, Bank, IDA and IFC subscriptions as of 3/31/66 (Data used in Statistical Abstract of the U.S.)	U.S. Dept. of Commerce, Bureau of Census	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>C. <u>PROGRAMMING</u></b>		
1. Highly complex system analyses: Planning a new system for coding, punching, assembling, editing, adjusting, updating external debt data in the form of a data bank and the required retrieval and processing procedures	Eco.(Statistics)	In progress
2. Moderately complex computer program: To calculate grant element of loans by cate- gory within country borrower, using the histo- rical debt data file	Eco. (Kochav)	Completed
3. Simple computer program: To sum up weighted average terms of debts by category and by geographical area	Eco. (Kochav)	Completed
4. Simple computer program: To calculate interest payment on IBRD loans in the coming six months	Eco. (Statistics)	Completed
5. Moderately complex computer program: To prepare data on IBRD loan disbursements	Proj. (Chadenet)	In progress
6. Preparation of a computer program to calculate cash flows	Proj. (Ripman)	In abeyance
7. Plotting of salary/age charts by a computer program	Adm. (Eschenberg)	In abeyance
8. Moderately complex computer program: To calculate grant element of loans by cate- gory within country borrower using current debt data file	Pres.Off. (Kochav)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>D. <u>GRAPHICS</u></b>		
1. Pakistan - 2 charts and 1 diagram - Lahore Water Supply, Sewerage and Drainage Project	Proj. (Robertson)	Completed
2. Pakistan - 1 organization chart, Lahore Water Supply, Sewerage and Drainage Project	Proj. (Apcar)	Completed
3. 1 chart Electricite et Gaz d'Algeria-	Proj. (Wyatt)	Completed
4. Tunisia - 2 educational diagrams and 1 organizational pyramid	Proj. (Tugan)	In progress
5. Pakistan - outline of school system-	Proj. (Stewart)	Completed
6. Uganda - 5 charts revised	Proj. (Hultin)	Completed
7. East Pakistan - One educational pyramid revised	Proj. (Stewart)-	Completed
8. Malaysia - 2 charts - National Electricity Board	Proj. (D.King)	In progress
9. Jamaica - One educational Diagram and One educational pyramid	Proj. (Macris)	On hand
10. Ceylon - One educational pyramid	Proj. (McLellan)	Completed
11. Algeria - 1 diagram to be inked	Eco. (Villafuerte)	Completed
12. Mexico - 2 charts - Electric Transformers Domestic Sales and Imports, Motor Vehicles Assembled	Eco. (Datas-Panero)	Completed
13. Construction Schedule and Flow diagram, Senegal-Sies	IFC (Feige)	Completed
14. 1 diagram Argentina - Allocation of taxes on motor fuel, natural gas, and electricity	Argen. Proj.(Hinrichs)	In progress
15. Pakistan - External Public Debt Service	So.Asia (McDiarmid)	Completed
16. Korea - 2 charts - Public Revenue and Expenditures, and Money and Prices	Korean Mission(Jansen)	Completed
17. Korea - one chart - Financing of Investment	Korean Mis. (Gulhati)	Completed
18. Algeria - one chart	Alge. Mis. (Van Helden)	On Hand

Mr. Andrew M. Kamarck

- 8 -

May 26, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. 2 charts - IBRD Primary Commodity Price Index (new chart) and Yield	Pres.Off.(Kochav)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Exchange Plan - preparation of latest semi-annual report
2. E.D.'s debt tables - preparation of latest semi-annual report
3. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
4. Compilation of data on European dollar bonds issued in 1963 and 1964
5. Yields, deposit rates, weighted averages of Eurodollar issues in London
6. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements
2. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
3. Maintenance of Commodity Prices
4. Maintenance of U.S. and Foreign Commodity Price Indices

PROGRAMMING

1. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

---

ms

cc: Messrs. de Vries  
King

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - DETAIL

Country and Date	Requested by	Status
<u>AFRICA</u>		
ETHIOPIA - December 31, 1965		In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - December 31, 1964	Fleming	Completed
MALI - June 30 and December 31, 1965	Cojot	Completed
NIGERIA - December 31, 1965		In progress
TUNISIA - December 31, 1965	Kao	In progress
<u>EUROPE-MIDDLE EAST</u>		
BELGIUM - December 31, 1965		In progress
DENMARK - December 31, 1965	Zafirion	In progress
PORTUGAL - December 31, 1965	Cheek	Completed
UNITED ARAB REPUBLIC - December 31, 1965	Wouters	In progress
YUGOSLAVIA - June 30, 1965		In progress
<u>FAR EAST</u>		
PHILIPPINES - December 31, 1965	Blobel	Completed
<u>SOUTH ASIA</u>		
INDIA - March, September, 1964; March, September, 1965	Votaw	In progress
IRAN - September, 1965	Merat	In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30 and December 31, 1965	Ross	In progress
CHILE - June 30, 1965	Reitter	In progress
ECUADOR - June 30, 1965		In progress
EL SALVADOR - December 31, 1965		Completed
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
MEXICO - December 31, 1965 (new)	Lerdau	In progress
PERU - June 30 and December 31, 1965	Wyss	In progress
VENEZUELA - December 31, 1965	Zinman	In progress

Statistics Division  
IBRD-Economics Department  
May 26, 1966

Annex 2: Description of regression analyses  
by General Statistics Section

1. Rice Study:

Trends and projections on area, yield, production, consumption, exports, imports, stock, population, etc. Also consumption related to population and income; production related to variables such as yield, fertiliser consumption, price, and irrigation. Data analysed by 28 countries, and several regions of the world.

2. Export experience study:

Study the growths of primary and other exports of 29 underdeveloped countries by analysing their relation to trade dependence, heavy industrial production, price stability, etc. - which are characteristics of the country's trade position and development policy orientation, and are expected to influence the export development; exports related to GNP, steel production, agricultural and heavy industrial production, domestic price, commodity price, trade position index, and commodity market share index.

(Some data provided).

3. Demand for steel:

Attempt to explain laws of growth in steel consumption and develop tools for projection of future demand; regression analysis of steel consumption in relation to GNP, industrial production, construction activities, metal industries, fixed capital formation, price of steel; cross-country analysis with 27 countries for 1954-'56 and 1962-'64 data. (Some data and analysis already provided).

27. Increase in freight-mileage in relation to GNP.

Mr. George Kalmanoff

May 13, 1966

Attilâ Karaosmanoğlu

Progress Report

1. General

I reported for duty on April 28. Since then I have been familiarizing myself with the documents and data existing in the Department on the economic aspects of external indebtedness and related subjects. In this connection I have read the recent studies and visited the Statistics Division in order to have an idea about the processes employed in the Debtor Country Reporting Scheme.

2. Suppliers' Credits

I have participated in a meeting with Mr. Kalmanoff and Mr. Nespoulous-Neuville, and prepared some tables in connection with the statistical appendix of the Suppliers' Credits Study.

AKaraosmanoğlu/GW A.K.

Mr. George Kalmanoff

May 13, 1966

Dina Driva D.D.

Progress Report

I have completed the draft on the Suppliers' Credits for Colombia.  
Continue work on the same subject for Thailand.

DDriva/GW

Mr. Andrew M. Kamarck

April 19, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period April 1 to April 15, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b><u>AFRICA</u></b>		
1. Posting, coding and preparation of debt tables:		
ETHIOPIA - December 31, 1965*		In progress
KENYA - December 31, 1965	Bruce	In progress
LIBERIA - December 31, 1965*	Fleming	In progress
MALI - June 30 and December 31, 1965	Cojot	In progress
MALTA - December 31, 1965*		Completed
RHODESIA - December 31, 1965	Conrad	In progress
SWAZILAND - December 31, 1965*		In progress
SUDAN - December 31, 1965*	Kao	In progress
TUNISIA - December 31, 1965*		In progress
<b><u>EUROPE - MIDDLE EAST</u></b>		
2. Posting, coding and preparation of debt tables:		
DENMARK - December 31, 1965*	Zafirion	In progress
LUXEMBOURG - December 31, 1965*		In progress
NORWAY - December 31, 1965*	Hornstein	In progress
PORTUGAL - December 31, 1965*	Cheek	In progress
U.A.R. - December 31, 1965	Wouters	In progress
YUGOSLAVIA - June 30, 1965		In progress
<b><u>FAR EAST</u></b>		
3. Posting, coding and preparation of debt tables:		
CHINA - December 31, 1965	Street	Completed
MALAYSIA - December 31, 1965	Wade	In progress
PHILIPPINES - December 31, 1965*	Hobel	In progress
THAILAND - December 31, 1965*	Hammel	In progress
4. JAPAN - Amortization Schedule for proposed loan of \$100 million*		Completed
<b><u>SOUTH ASIA</u></b>		
5. Posting, coding and preparation of debt tables:		
INDIA - March, September, 1964; March, September, 1965	Votaw	In progress
PAKISTAN - December 31, 1965	Martin	In progress

April 19, 1966

A. EXTERNAL DEBT (CONT.)SOUTH ASIA

7. PAKISTAN - Staff Loan Committee Chart\*

Martin Completed

WESTERN HEMISPHERE

8. Posting, coding and preparation of debt tables:

ARGENTINA - June 30 and December 31, 1965

BRITISH GUIANA - December 31, 1965

CHILE - June 30, 1965

ECUADOR - June 30, 1965

HAITI - December 31, 1963 and 1964;

June 30, 1965

PANAMA - December 31, 1965

PERU - June 30, 1965

TRINIDAD AND TOBAGO - June 30 and December 31, 1965

URUGUAY - June 30, 1965

VENEZUELA - December 31, 1965\*

Ross	In progress
van der Heijden	Completed
Reitter	In progress
	In progress

Kuczynski	In progress
	Completed
Wyss	In progress

van der Heijden	Completed
Ross	In progress
Zinman	In progress

9. COLOMBIA - Amortization Schedule of proposed IBRD loan\*

Fligler Completed

A/E-ME/FE/SA/WH

10. Preparation of historical tables to end 1964

In progress

ECONOMICS DEPT.

11. IRAN - coding of IBRD, AID, Exim, on a fiscal basis

In progress

12. Preparation of Table on Estimated Foreign Loans Issued 1900 - 1966

Bitterman Completed

13. Semi-annual summary table of foreign bonds publicly-issued and privately-placed and foreign equity issues (July 1-Dec.31,1965)

Completed

14. Preparation for an estimate of the world's external public debt as of Dec. 31, 1965

Completed

15. YUGOSLAVIA - Preparation of historical tables on suppliers' credits 1958-1964 by purpose of debts\*

Christoffersen Completed

April 19, 1966

A. EXTERNAL DEBT (CONT.)

16. NIGERIA - Preparation of historical tables on suppliers' credits 1958-1964 by purpose of debts\*
17. Descriptive table of foreign bonds publicly-issued in major capital markets, July 1 - December 31, 1965\*

ECONOMICS DEPT.

Christoffersen Completed

In progress

PRESIDENT'S OFFICE

18. Weighted average terms of debts incurred by 37 countries in 1964 and the average grant element in such loans
19. Checking listings of 37 countries for calculating grant element of loans, 1960-1964\*

Kochav

In progress

Kochav

Completed

B. GENERAL STATISTICS

20. Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings
21. Regression analysis of export share of various countries
22. Demand for Steel (GNP and Gross domestic capital formation: selected countries)
23. Probable demand for imports arising from IBRD-IDA disbursements in LDC's
24. Regression Analysis: Tea Statistics\*

ECONOMICS DEPT.

Singh

In progress

de Vries

In progress

Walstedt

In progress

Rao

Completed

Ali, Liagat

Completed

INFO. OFFICE

25. IBRD and IDA disbursements by supplier and goods in Yugoslavia, Sweden, Germany and Netherlands

Maher/Sankaran In progress

April 19, 1966

B. GENERAL STATISTICS (CONT.)

	<u>FAR EAST (KOREAN MISSION)</u>	
26. Miscellaneous calculations for Korean Mission	Gulhati & others	Completed
27. Compiling U.S. & Japan's imports for selected commodities, calculating percentages thereof etc. 1964-1965 - 1960-61	Nowicki	Completed
	<u>PRESIDENT'S OFFICE</u>	
28. Work relating to Annual Report	Kochav	In progress
	<u>PROJECTS DEPT.</u>	
29. PERU - re-classifying data for loan #334 1963/64 to date	Sander	On hand
30. Checking the figures of Senegal Railway Project*	De Gryse	In progress
31. IBRD loan disbursements and determination of percent disbursed	Chadenet	In progress
32. Checking Thailand appraisal report*	Haker	Completed
33. Rate of return calculation*	Whyte	Completed
34. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBRD and Costa Rican banks)	Andreu	In progress
35. Optimum cost model of an educational project	Haltin	In progress
	<u>EUROPE-MIDDLE EAST</u>	
36. EGYPT - trade, Balance of payments, etc.	Wouters	In progress
	<u>WESTERN HEMISPHERE</u>	
37. COLOMBIA - preparation of statistical tables	Frost	In progress
38. Calculation of statistical tables for Central American Mission*	Kuczynski	In progress

April 19, 1966

B. GENERAL STATISTICS (CONT.)

<u>AFRICA</u>		
39. MOROCCO - Public investment study for Moroccan Mission	Booz	In progress
<u>IFC</u>		
40. BRAZIL - Check statistical tables for Pulp and Paper Report*	Kapur	Completed
41. Regression Analysis: Manila Stock data*	Monsod	Completed
<u>TREASURER'S</u>		
42. IDA Disbursements in Canada, 1st quarter '66*	Jones	Completed
<u>OTHER</u>		
43. Preparing Fund quotas, Bank, IDA & IFC subscriptions as of 3/31/66 (Data used in Statistical Abstract of the U.S.)*	U.S. Dept. of Commerce Bureau of Census	In progress

C. PROGRAMMING

<u>ECONOMICS DEPT.</u>		
44. Program for producing exchange of information tables	Statistics	In progress
45. Program to produce yearly amortization, interest and total payments as % of original amounts	Goor	In progress
46. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics	In progress
47. Program to compute the Present Value of 1, Present Value of 1 per period and Partial Payment, given variable rates*	Slaphey	In progress

April 19, 1966

C. PROGRAMMING (CONT.)PROJECTS DEPT.

48. Program to prepare data on IBRD loan disbursements	Chadenet	In progress
49. Preparation of a computer program to calculate cash flows	Ripman	In progress
50. PAKISTAN - Indus Basin; Prepared cards for Linear Program*	Vergin	Completed

ADMINISTRATION

51. Plotting of salary/age charts by a computer program	Eschenberg	In progress
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PRESIDENT'S OFFICE

52. Program to calculate grant element of loans, by category within country borrower	Kochav	In progress
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D. GRAPHICSPROJECTS DEPT.

53. PAKISTAN - one chart - educational pyramid distribution of students enrolled	Steward	Completed
54. 5 charts on Analysis of projects	Chadenet	Completed
55. KENYA - Organization chart - Agricultural Finance Corporation*	Goffin	Completed
56. UGANDA - 4 charts revised - Central Gov't. Recurrent Cost of Education*	Pichler	Completed
57. THAILAND - 2 charts - Yanhee Reservoir Area and capacity curves and operation study*	Rinman	In progress
58. One chart revised - Southwest Iceland Power System; Capacity and Demand*	King	Completed

April 19, 1966

D. GRAPHICS(CONT.)

- |   |           |           |
|---|-----------|-----------|
| 59. MALAWI - construction schedule Secondary Technical Schools and National Primary Teacher Training College* | Kulsky    | Completed |
| 60. MALAYSIA - one organization chart and one construction schedule - Kemubu Project*-                        | Threlkeld | Completed |
| 61. INDIA - Revised Construction Program - Salandi Irrigation Project*  | Bartsch   | Completed |

ECONOMICS DEPT.

- |  |             |           |
|--|-------------|-----------|
| 62. 30 Financial tables lined*   | Paulson     | Completed |
| 63. 2 charts - Number of IBRD and IFC regular staff*   | Goor/Clarke | Completed |
| 64. MEXICO - one chart (pencil sketch) Motor Vehicles Assembled 1950-1963 and Manufactured thereafter* | Datas       | Completed |

IPC

- |  |           |           |
|--|-----------|-----------|
| 65. Organization chart - Corporation Financiera Colombiana*                  | Mejia     | Completed |
| 66. One chart - Profit Breakeven   | Williams  | Completed |
| 67. MEXICO - one chart - Cia Fundidora de Hierro y Acero de Monterrey, S.A.* | Kneip     | Completed |
| 68. INDIA - One chart - Caustic Soda - Consumption and Demand*               | Channugan | Completed |

SOUTH ASIA

- |   |        |           |
|---|--------|-----------|
| 69. PAKISTAN - One SLC chart - Bank loans to Pakistan: Net Investments and Commitments* | Martin | Completed |
|---|--------|-----------|

E. CONTINUINGA. EXTERNAL DEBT

- |  |  |  |
|--|--|--|
| 70. Exchange Plan - preparation of latest semi-annual report |  |  |
|--|--|--|

April 19, 1966

E. CONTINUING (CONT.)

- 71. E.D.'s debt tables - preparation of latest semi-annual report
- 72. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
- 73. Compilation of data on European dollar bonds issued in 1963 and 1964
- 74. Yields, deposit rates, weighted averages of Eurodollar issues in London
- 75. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

B. GENERAL STATISTICS

- 76. Maintenance of supplier vouchers on IBRD and IDA disbursements
- 77. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
- 78. Maintenance of Commodity Prices
- 79. Maintenance of US and Foreign Commodity Price Indices

C. PROGRAMMING

- 80. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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New  
cc: Messrs. de Vries  
Kalmanoff  
King

CGGeor/ms

Mr. A. M. Kamarck

April 15, 1966

E. K. Hawkins *EKH*

Work Program of the Basic Research Group for Two Week Period  
Ending April 15.

1. E. K. Hawkins - A. Redrafting of policy memorandum on Ecuador for the Economic Committee. Final revision of the economic report in preparation for distribution to the Executive Directors.  
  
B. Completion of work program in quantitative economics. Commencement of work on a choice of model to be used for the countries chosen in the above memorandum.  
  
C. Preliminary consideration of possible work on population. Attendance as an observer at an inter-agency meeting on the proposed agrarian reform study to be carried out by FAO.
2. A. Elsaas - Continuation of work on UAR mission report and contribution to the Bell Mission report.
3. R. J. Neibuhr - Work on the report of the Pakistan economic mission.

EKHawkins:bsc

cc Mr. B. A. de Vries

Mr. George Kalmanoff

April 15, 1966

B. Rao

Progress Report

- 1) Completed statistical analysis of projected service on suppliers credits for 35 countries.
- 2) Completed a note on the probable additional demand for imports from Part I countries generated by IDA disbursements in Part II countries.
- 3) Completed a similar analysis of IBRD disbursements in fiscal years 1962/63-1964/65.
- 4) A statement of IDA and IFC operations in calendar 1964-65 for UNCTAD will be ready by Tuesday prior to my departure on home leave.

BRao/GW

*BR*

Mr. Andrew M. Kamarck

April 4, 1966

George Kalmanoff G.K.

Progress report of the International Development Finance Division  
for the period March 16 - 31, 1966

Badri Rao - continued work on suppliers' credits study, analyzing comprehensive statistical data relating to debtor countries; furnished information on the flow of official bilateral funds to international organizations in relation to comments by Mr. Willard Thorp; supplied information on external indebtedness of developing countries to Mr. Friedman; analyzed import pattern of Part II IDA countries with selected Part I countries; supplied data on IBRD loans to private enterprises in developing countries in connection with inquiry by UNCTAD; continued work on analysis of import trade of developing countries with selected industrialized countries as basis for calculating "feedback" effect of IBRD disbursements in developing countries.

Patrick de Fontenay - on country mission in Spain.

Vinod Dubey - continued work on import substitution study, relating to the import intensity of import substitution, and a calculation of the domestic resource cost per dollar saved.

Dina Driva - suppliers' credits study: investigated materials available on the experiences of Colombia, Ghana and Thailand.

Leif Christoffersen - suppliers' credits study: investigated materials available on experiences of Brazil, Nigeria and Yugoslavia.

George Kalmanoff - suppliers' credits study: completed the rewriting of a preliminary draft of the study.

- DAC early warning system on indebtedness: memo to files.

- Costs of aid: discussed paper on this subject for annual report with Mr. Kochav.

- UNCTAD: supplied information to Mr. Consolo for reply to UNCTAD inquiry on implementation of Geneva recommendations.

CC: Messrs. de Vries, King, Rao, de Fontenay, Dubey, Christoffersen  
Miss Driva

Mr. George Kalmanoff

April 1, 1966

Badri Rao *BR*

Progress Report

- 1) Furnished information on the flow of official bilateral funds to international organizations in connection with Mr. Woods' enquiry relative to Mr. Willard Thorp's speech.
- 2) Furnished information on the external indebtedness of 38 LDC's for Mr. Friedman's talk to the Harvard University.
- 3) Prepared an analytical note on the net contribution of selected Part I countries to IDA.
- 4) Processed an enquiry regarding IBRD assistance to private entities in LDC's.
- 5) Analysis of the probable demand for imports from industrial countries by LDC's arising from IBRD disbursements in the latter is proceeding.
- 6) Analysis of debt service obligations in respect of aggregate external debt and suppliers credits is nearing completion.

BRao/GW

6 ps - Admin

Mr. Andrew M. Kamarck

April 1, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the period March 18 to March 31, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b><u>AFRICA</u></b>		
1. Posting, coding and preparation of debt tables: BECHUANALAND - December 31, 1965* KENYA - December 31, 1965* LIBERIA - December 31, 1964* MALI - June 30 and December 31, 1965* RHODESIA - December 31, 1965* TANZANIA - December 31, 1965	Schaad Bruce Le Clerc Cojot Conrad Calika	Completed In progress Completed In progress In progress Completed
<b><u>EUROPE - MIDDLE EAST</u></b>		
2. Posting, coding and preparation of debt tables: U.A.R. - December 31, 1965 YUGOSLAVIA - June 30, 1965	Wouters	In progress In progress
3. U.A.R. - special summary tables as of December 31, 1965	Wouters	Completed
<b><u>FAR EAST</u></b>		
4. Posting, coding and preparation of debt tables: CHINA - December 31, 1965 MALAYSIA - December 31, 1965* NEW ZEALAND - December 31, 1965 THAILAND - December 31, 1965*	Street Waide  Honsi	In progress In progress Completed Completed
5. THAILAND - preparation of private debt tables as of December 31, 1965*	Honsi	Completed
<b><u>SOUTH ASIA</u></b>		
6. Posting, coding and preparation of debt tables: INDIA - March, September, 1964; March, September, 1965 PAKISTAN - December 31, 1965*	Votaw Martin	In progress In progress

April 1, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

7. Posting, coding and preparation of debt tables:		
ARGENTINA - June 30, and December 31, 1965	Ross	In progress
BRITISH GUIANA - December 31, 1965	van der Heijden	In progress
BRITISH HONDURAS - December 31, 1965	Schmitt	Completed
CHILE - June 30, 1965	Reitter	In progress
ECUADOR - June 30, 1965*		In progress
GUATEMALA - December 31, 1965		Completed
HAITI - December 31, 1963 and 1964; June 30, 1965	Kuczynski	In progress
ICELAND - June 30, 1965	Zafirliou	Completed
PANAMA - December 31, 1965		In progress
PARAGUAY - December 31, 1965	Ross	Completed
PERU - June 30, 1965	Wyss	In progress
TRINIDAD AND TOBAGO - June 30 and December 31, 1965*	van der Heijden	In progress
URUGUAY - June 30, 1965	Ross	In progress
8. BRAZIL - posting, coding and preparation of debt tables as of June 30, 1965 showing dis- bursements on expected loans during 1966-67	Schick	Completed
9. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965	Lerdau	Completed
10. PERU - \$9.1 mil. Amortization Schedule*	Masoni	Completed
	<u>A/E-ME/FE/SA/WH</u>	
11. Preparation of historical tables to end 1964		In progress
	<u>ECONOMICS DEPT.</u>	
12. Preparation of historical debt table on 37 countries	Nespoulous- Neuville	Completed
13. IRAN - coding of IBRD, AID, Exim, on a fiscal basis		In progress
14. ALL COUNTRIES - Export-Import Bank coding IBM cards		Completed
15. Preparation of Table on Estimated Foreign Loans Issued 1900 - 1966*	Bitterman	In progress

April 1, 1966

B. GENERAL STATISTICS (CONT.)FAR EAST (KOREAN MISSION)

- |   |                  |             |
|---|------------------|-------------|
| 27. Miscellaneous calculations for Korean Mission   | Gulhati & others | In progress |
| 28. Compiling U.S. & Japan's imports for selected commodities, calculating percentages thereof - etc. 1964-65 - 1960-61 | Nowicki          | In progress |

INFO. OFFICE

- |  |                |             |
|--|----------------|-------------|
| 29. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplier (updating - Germany, 1965) | Sankaran       | Completed   |
| 30. IBRD and IDA disbursements by supplier and goods in Yugoslavia, Sweden, Germany and Netherlands                  | Maher/Sankaran | In progress |

PRESIDENT'S OFFICE

- |                                    |        |             |
|------------------------------------|--------|-------------|
| 31. Work relating to Annual Report | Kochav | In progress |
|------------------------------------|--------|-------------|

PROJECTS DEPT.

- |  |               |             |
|--|---------------|-------------|
| 32. PERU - re-classifying data for loan #334 1963/64 to date   | Sander        | On hand     |
| 33. Cost flow for Sudanese land clearance project*   | Walden        | Completed   |
| 34. Checking statistical tables in Malawi appraisal report*  | Soges         | Completed   |
| 35. Rate of return calculation*  | Parthasarathi | Completed   |
| 36. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBRD and Costa Rican banks) | Andreu        | In progress |
| 37. Optimum cost model of an educational project   | Hultin        | In progress |

EUROPE-MIDDLE EAST

- |                         |                 |             |
|-------------------------|-----------------|-------------|
| 38. EGYPT - trade, etc. | Wouters & Papic | In progress |
|-------------------------|-----------------|-------------|

April 1, 1966

A. EXTERNAL DEBT (CONT.)ECONOMICS DEPT.

- |   |             |
|---|-------------|
| 16. Semi-annual summary table of foreign bonds publicly-issued and privately-placed and foreign equity issues (July 1-Dec.31,1965)* | In progress |
| 17. Preparation for an estimate of the world's external public debt as of Dec. 31, 1965*  | In progress |

PRESIDENT'S OFFICE

- |   |                       |
|---|-----------------------|
| 18. Weighted average terms of debts incurred by 37 countries in 1964; and the average grant element in such loans | Kochav<br>In progress |
|---|-----------------------|

PROJECTS DEPT.

- |  |           |
|--|-----------|
| 19. IBRD cumulative disbursements, 6/30/47 to 12/31/60 | Completed |
|--|-----------|

B. GENERAL STATISTICSECONOMICS DEPT.

- |   |                         |
|---|-------------------------|
| 20. IBRD loan disbursements and determination of percent disbursed  | Goor<br>In progress     |
| 21. Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings | Singh<br>In progress    |
| 22. Regression analysis of export share of various countries  | de Vries<br>In progress |
| 23. Calculating trend for economic indicators of tuna industry  | Ali<br>Completed        |
| 24. Demand for Steel (GNP and Gross domestic capital formation: selected countries)   | Walstedt<br>In progress |
| 25. Projections of sugar exports and consumption*   | Ali<br>Completed        |
| 26. Probable demand for imports arising from IBRD-IDA disbursements in LDC's*   | Rao<br>In progress      |

April 1, 1966

B. GENERAL STATISTICS (CONT.)

	<u>WESTERN HEMISPHERE</u>	
39. COLOMBIA - preparation of statistical tables*	Frost	In progress
	<u>AFRICA</u>	
40. MOROCCO - Public investment study for Moroccan Mission*	Booz	In progress

C. PROGRAMMING

	<u>ECONOMICS DEPT.</u>	
41. Program for producing exchange of information tables	Statistics	In progress
42. Program to produce yearly amortization, interest and total payments as % of original amounts*	Goor	In progress
43. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics	In progress
	<u>PROJECTS DEPT.</u>	
44. Program to prepare data on IBRD loan disbursements	Chadenet	In progress
45. Preparation of a computer program to calculate cash flows	Ripman	In progress
	<u>ADMINISTRATION</u>	
46. Plotting of salary/age charts by a computer program	Eschenberg	In progress
	<u>PRESIDENT'S OFFICE</u>	
47. Program to calculate grant element of loans, by category within country borrower	Kochav	In progress

April 1, 1966

D. GRAPHICS

	<u>PROJECTS DEPT.</u>	
48. PAKISTAN - one chart - educational pyramid distribution of students enrolled	Steward	On hand
49. LIBERIA - one organization chart - Second Highway Project	Paraud	Completed
50. VENEZUELA - two organization charts revised*	Paraud	Completed
51. 5 charts on Analysis of projects*	Chadenet	In progress
	<u>ECONOMICS DEPT.</u>	
52. Free World: Consumption and Production of Aluminum*	Huang	Completed
	<u>IFC</u>	
53. One organization chart on Turkiye Sinai Kalkinma Bankasi, S.A.*	Su	Completed
54. One organization chart on Industrial and Mining Development Bank of Iran*	Ritchie	Completed
55. Three charts revised - Corporacion Financiera Del Valle, Del Norte and Nacional*	Mejia	Completed
56. One organization chart on Corporacion Financiera Colombiana*	Mejia	In progress
	<u>WESTERN HEMISPHERE</u>	
57. ARGENTINA - one chart on Production and Number of Wells*	Rochet/Ross	Completed
	<u>ARGENTINE PROJECT</u>	
58. One chart on Installed Refining Capacity	Henry	Completed

April 1, 1966

E. CONTINUING

A. EXTERNAL DEBT

- 59. Exchange Plan - preparation of latest semi-annual report
- 60. E.D.'s debt tables - preparation of tables as of most recent dates
- 61. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
- 62. Compilation of data on European dollar bonds issued in 1963 and 1964
- 63. Yields, deposit rates, weighted averages of Eurodollar issues in London
- 64. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

B. GENERAL STATISTICS

- 65. Maintenance of supplier vouchers on IBRD and IDA disbursements
- 66. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
- 67. Maintenance of Commodity Prices
- 68. Maintenance of US and Foreign Commodity Price Indices

C. PROGRAMMING

- 69. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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\* New

cc: Messrs. de Vries  
Kalmanoff  
King

GGGoor/ms

Mr. Andrew M. Kamarck

March 18, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the week ended March 17, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<u>A. EXTERNAL DEBT</u>		
<u>AFRICA</u>		
1. Posting, coding and preparation of debt tables: LIBERIA - December 31, 1964 TANZANIA - December 31, 1965	Le Clerc Calika	In progress In progress
2. SENEGAL - Proposed IBRD Amortization Schedule*		Completed
<u>EUROPE-MIDDLE EAST</u>		
3. Posting, coding and preparation of debt tables: U.A.R. - December 31, 1965 YUGOSLAVIA - June 30, 1965	Wouters	In progress In progress
4. U.A.R. - calculation of Index Numbers for various commodities	Papic	Completed
5. U.A.R. - special summary tables as of December 31, 1965*	Wouters	In progress
<u>FAR EAST</u>		
6. Posting, coding and preparation of debt tables: CHINA - December 31, 1965 NEW ZEALAND - December 31, 1965	Street	In progress In progress
<u>SOUTH ASIA</u>		
7. Posting, coding and preparation of debt tables: INDIA - March, September, 1964; March, September, 1965	Votaw	In progress
<u>WESTERN HEMISPHERE</u>		
8. Posting, coding and preparation of debt tables: ARGENTINA - June 30 and December 31, 1965 BRITISH GUIANA - December 31, 1965 CHILE - June 30, 1965 PANAMA - December 31, 1965*	Ross van der Heijden Reitter	In progress In progress In progress In progress

March 18, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

GUATEMALA - December 31, 1965		In progress
HAITI - December 31, 1963 and 1964 and June 30, 1965	Kuczynski	In progress
ICELAND - June 30, 1965	Zafirion	In progress
PERU - June 30, 1965	Wyss	In progress
PARAGUAY - December 31, 1965	Ross	In progress
BRITISH HONDURAS - December 31, 1965	Schmitt	In progress
URUGUAY - June 30, 1965*	Wouters	In progress

- |  |        |             |
|--|--------|-------------|
| 9. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965             | Lerdau | In progress |
| 10. BRAZIL - posting, coding and preparation of debt tables as of June 30, 1965 showing disbursements on expected loans during 1966-67 | Schick | In progress |

A/E-ME/FE/SA/WH

- |  |  |             |
|--|--|-------------|
| 11. Preparation of historical tables to end 1964 |  | In progress |
|--|--|-------------|

ECONOMICS DEPT.

- |  |                     |             |
|--|---------------------|-------------|
| 12. Preparation of historical debt table on 37 countries | Nespoulous-Neuville | In progress |
| 13. IRAN - coding of IBRD, AID, Exim, on a fiscal basis  |                     | In progress |
| 14. ALL COUNTRIES - Export-Import Bank coding IBM cards  |                     | In progress |

PRESIDENT'S OFFICE

- |  |        |             |
|--|--------|-------------|
| 15. Weighted average terms of debts incurred by 37 countries in 1964 and the average grant element in such loans | Kochav | In progress |
|--|--------|-------------|

PROJECTS DEPT.

- |  |  |             |
|--|--|-------------|
| 16. IBRD cumulative disbursements, 6/30/47 to 12/31/60 |  | In progress |
|--|--|-------------|

March 18, 1966

B. GENERAL STATISTICSECONOMICS DEPT.

- |   |          |             |
|---|----------|-------------|
| 17. IBRD loan disbursements and determination of percent disbursed  | Goor     | In progress |
| 18. Rice study - analysis of factors affecting world demands and supply including computer programs, charts, research, calculations, and analysis of findings | Singh    | In progress |
| 19. Regression analysis of export share of various countries  | de Vries | In progress |
| 20. Calculating trend for economic indicators of tuna industry  | Ali      | In progress |
| 21. Demand for Steel (GNP and Gross domestic capital formation: selected countries)*  | Walstedt | In progress |

PAR EAST (KOREAN MISSION)

- |  |                  |             |
|--|------------------|-------------|
| 22. Miscellaneous calculations for Korean Mission  | Gulhati & others | In progress |
| 23. Compiling U.S. & Japan's imports for selected commodities, calculating percentages thereof- etc. 1964-1965 | Nowicki          | In progress |

INFO. OFFICE

- |  |                |             |
|--|----------------|-------------|
| 24. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplier (updating - Germany, 1965) | Sankaran       | In progress |
| 25. IBRD and IDA disbursements by supplier and goods in Yugoslavia, Sweden, Germany and Netherlands                  | Maher/Sankaran | In progress |

PRESIDENT'S OFFICE

- |                                    |        |             |
|------------------------------------|--------|-------------|
| 26. Work relating to Annual Report | Kochav | In progress |
|------------------------------------|--------|-------------|

PROJECTS DEPT.

- |  |        |         |
|--|--------|---------|
| 27. PERU - re-classifying data for loan #334 1963/64 to date | Sander | On hand |
|--|--------|---------|

March 18, 1966

B. GENERAL STATISTICS (CONT.)PROJECTS DEPT.

- |  |              |             |
|--|--------------|-------------|
| 28. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBRD and Costa Rican banks) | Andreu       | In progress |
| 29. Optimum cost model of an educational project   | Hultin       | In progress |
| 30. Annual averages for selected coffees and coconuts*   | Greenshields | Completed   |

EUROPE-MIDDLE EAST

- |  |             |             |
|--|-------------|-------------|
| 31. Calculations of statistical appendix for Spanish Mission | van der Mel | Completed   |
| 32. EGYPT - trade, etc.*                                     | Wouters     | In progress |

WESTERN HEMISPHERE

- |   |        |           |
|---|--------|-----------|
| 33. COLOMBIA - country accounts projection  | Frost  | Completed |
| 34. BRAZIL - computations for tables to be included in report on external financing | Husain | Completed |

AFRICA

- |  |       |           |
|--|-------|-----------|
| 35. SENEGAL - Balance of Payments forecast and underlying assumptions for estimates* | Cojot | Completed |
|--|-------|-----------|

C. PROGRAMMINGECONOMICS DEPT.

- |   |            |             |
|---|------------|-------------|
| 36. Projection of Export-Import Bank Medium Term Guarantees, December, 1965 |            | Completed   |
| 37. IBRD amortization tables program  | Statistics | Completed   |
| 38. Program for producing exchange of information tables                    | Statistics | In progress |

March 18, 1966

C. PROGRAMMING (CONT.)ECONOMICS DEPT.

39. Planning a new system for coding, punching, assembling, editing adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures

Statistics In progress

PROJECTS DEPT.

40. Program to prepare data on IBRD loan disbursements
41. Preparation of a computer program to calculate cash flows

Chadenet In progress

Ripman In progress

ADMINISTRATION

42. Plotting of salary/age charts by a computer program

Eschenberg In progress

PRESIDENT'S OFFICE

43. Program to calculate grant element of loans, by category within country borrower<sup>st</sup>

Kochav In progress

D. GRAPHICSPROJECTS DEPT.

44. PAKISTAN - one chart - educational pyramid distribution of students enrolled
45. SUDAN - one organization chart on Land Clearance and Mechanized Crop Production Authority (LCMCA)
46. MALAYSIA - One chart on Federal Land Development Authority<sup>th</sup>
47. LIBERIA - One organization chart - Second Highway Project<sup>th</sup>

Steward On hand

Nelson Completed

Dumaulin Completed

Paraud In progress

March 18, 1966

D. GRAPHICS (CONT.)ARGENTINE PROJECT

48. One chart on Installed Refining Capacity\* Henry In progress

PRESIDENT'S OFFICE

49. One chart LDC: Balance of Payments with U.S. and Changes in Gold and Dollar holdings\* Kochav Completed

E. CONTINUINGA. EXTERNAL DEBT

- 50. Exchange Plan - preparation of latest semi-annual report
- 51. E.D.'s debt tables - preparation of tables as of most recent dates
- 52. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
- 53. Compilation of data on European dollar bonds issued in 1963 and 1964
- 54. Yields, deposit rates, weighted averages of Eurodollar issues in London
- 55. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

B. GENERAL STATISTICS

- 56. Maintenance of supplier vouchers on IBRD and IDA disbursements
- 57. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
- 58. Maintenance of Commodity Prices
- 59. Maintenance of US and Foreign Commodity Price Indices

C. PROGRAMMING

- 60. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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\* New  
cc: Messrs. de Vries  
Kalmanoff  
/ms King

254  
per page

Mr. Andrew M. Kamarek

March 17, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for the period March 7 - 15, 1966

Badri Rao - continued work on suppliers' credits study, processing changes in certain data submitted by the Statistics Division, and reconciling data on Japanese export credits of its Ministry of Finance and Export-Import Bank; discussed minutes of the external debt experts' conference with Mr. Kerber of the U.S. Department of Commerce and communicated certain changes to Mr. Juusela of the IMF; supplied information to the Bank's Department of Information on private capital flows and the IFC.

Patrick de Fontenay - drafted a memorandum on the invitation by the Secretary-General of UNCTAD to the Bank to submit comments on the report of UNCTAD's expert group on international monetary problems; rewrote memo on cost-sharing formula; reviewed a French translation of the appendix to the supplementary financing study; attended a 60-hour course in Spanish in preparation for work on the Spanish mission.

Vinod Dubey - continued work on the import substitution study; participated in a discussion on import substitution with visiting Latin American professors; took Spanish lessons.

Dina Driva - worked on a draft on Italy as a source of supply for the suppliers' credits study.

Leif Christoffersen - started work on the suppliers' credits study, concentrating on selected countries which have used such credits to a large extent.

George Kalmanoff - suppliers' credits study - continued supervision, and worked on a rewriting of a preliminary draft of the study.

- Bank representation at various international meetings - e.g. arrangements concerning FAO Banana Study Group, general meeting with FAO on commodities work.

- Annual Report, Economic Chapter - reviewed and discussed outline with Mr. Kochav.

- Effects of IBRD operations on U.S. balance of payments - reviewed and discussed work of Mr. Hulley.

March 17, 1966

- Development assistance target of 1% of national income -  
drafted memo for Mr. Friedman.

- Coffee - drafted memo on headquarters costs for joint  
coffee study; drafted letter to Mr. Santos on observations of  
Legal Department on proposed charter for coffee diversification  
fund.

- Primary commodity price index - transmitted information  
to Mr. Friedman for Mr. Miroslav Kriz of the First National  
City Bank.

- Joint OECD proposal on reporting on external lending -  
participated in further revisions.

- IDA contributions and disbursements by principal Part I  
countries - revised memo for Mr. Friedman.

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Ops. Admin

Mr. Andrew M. Kamarek

March 11, 1966

Charles G. Goor *CGG per goor*

Progress Report of Statistics Division  
for the week ended March 10, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<u>AFRICA</u>		
1. Posting, coding and preparation of debt tables: LIBERIA - December 31, 1964 TANZANIA - December 31, 1965*	Le Clerc Calika	In progress In progress
2. GUINEA - Proposed IBRD Amortization Schedule*	Sala	Completed
3. Weighted average terms of IBRD and IDA loans contracted in 1964 (Fiscal Year) for all African countries*	de la Renaudiere	Completed
<u>EUROPE-MIDDLE EAST</u>		
4. Posting, coding and preparation of debt tables: YUGOSLAVIA - June 30, 1965 U.A.R. - December 31, 1965*	Wouters	In progress In progress
5. U.A.R. - calculation of Index Numbers for various commodities*	Papic	In progress
<u>FAR EAST</u>		
6. Posting, coding and preparation of debt tables: CHINA - December 31, 1965* NEW ZEALAND - December 31, 1965	Street	In progress In progress
<u>SOUTH ASIA</u>		
7. Posting, coding and preparation of debt tables: INDIA - March, September, 1964; March, September, 1965 PAKISTAN - June, 1965	Votaw	In progress Completed
<u>WESTERN HEMISPHERE</u>		
8. Posting, coding and preparation of debt tables: ARGENTINA - June 30 and December 31, 1965 BRITISH GUIANA - June 30 and December 31, 1965* CHILE - June 30, 1965	Ross van der Heijden Reitter	In progress In progress In progress

March 11, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

GUATEMALA - December 31, 1965		In progress
HAITI - December 31, 1963 and 1964 and June 30, 1965		In progress
ICELAND - June 30, 1965	Kuczynski	In progress
PERU - June 30, 1965*	Zafirion	In progress
PARAGUAY - December 31, 1965	Wyss	In progress
BRITISH HONDURAS - December 31, 1965*	Ross	In progress
	Schmitt	In progress
9. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965	Lerdau	In progress
10. BRAZIL - posting, coding and preparation of debt tables as of June 30, 1965 showing dis- bursements on expected loans during 1966-67	Schick	In progress
11. COLOMBIA - prepare IBRD amortization schedule*	Shibusawa	Completed
	<u>A/E-ME/FE/SA/WH</u>	
12. Preparation of historical tables to end 1964		In progress
	<u>ECONOMICS DEPT.</u>	
13. Preparation of historical debt table on 37 countries	Nespoulous- Neuville	In progress
14. IRAN - coding of IBRD, AID, Exim, on a fiscal basis		In progress
15. ALL COUNTRIES - Export-Import Bank coding IBM cards		In progress
	<u>PRESIDENT'S OFFICE</u>	
16. Calculation of weighted average terms of external debts outstanding at December 31/64: CHILE COLOMBIA PERU	Avramovic Avramovic Avramovic	Completed Completed Completed
17. Weighted average terms of debts incurred by 37 countries in 1964 and the average grant element in such loans.*	Kochav	In progress

March 11, 1966

A. EXTERNAL DEBT (CONT.)PROJECTS DEPT.

- |  |             |
|--|-------------|
| 18. IBRD cumulative disbursements, 6/30/47 to 12/31/60 | In progress |
|--|-------------|

B. GENERAL STATISTICSECONOMICS DEPT.

- |  |             |
|--|-------------|
| 19. IBRD loan disbursements and determination of percent disbursed   | In progress |
| 20. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings | In progress |
| 21. Regression analysis of export share of various countries   | In progress |
| 22. U.S. and foreign historical index series for selected countries*   | Completed   |
| 23. Calculating trend for economic indicators of tuna industry*  | In progress |

FAR EAST (KOREAN MISSION)

- |  |             |
|--|-------------|
| 24. Miscellaneous calculations for Korean Mission  | In progress |
| 25. Compiling U.S. & Japan's imports for selected commodities, calculating percentages thereof - etc. 1964-1965* | In progress |

INFOR. OFFICE

- |  |             |
|--|-------------|
| 26. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplier (updating - Germany, 1965) | In progress |
| 27. IBRD and IDA disbursements by supplier and goods in Yugoslavia, Sweden, Germany and Netherlands                  | In progress |

March 11, 1966

B. GENERAL STATISTICS (CONT.)

<u>PRESIDENT'S OFFICE</u>		
28. Work relating to Annual Report	Kochav	In progress
<u>PROJECTS DEPT.</u>		
29. PERU - re-classifying data for loan #334 1963/64 to date	Sander	On hand
30. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBRD and Costa Rican banks)	Andreu	In progress
31. Optimum cost model of an educational project	Hultin	In progress
<u>EUROPE-MIDDLE EAST</u>		
32. Calculations of statistical appendix for Spanish Mission*	van der Mel	In progress
<u>WESTERN HEMISPHERE</u>		
33. COLOMBIA - country accounts projection	Forst	In progress
34. BRAZIL - computations for tables to be included in report on external financing	Husain	In progress
<u>AFRICA</u>		
35. Population percentages, IDA/IBRD lending, etc.	Ba	Completed

C. PROGRAMMING

<u>ECONOMICS DEPT.</u>		
36. Projection of Export-Import Bank Medium Term Guarantees, December, 1965*		In progress
37. IBRD amortization tables program	Statistics	In progress
38. Program for producing exchange of inform- ation tables	Statistics	In progress

C. PROGRAMMING (CONT.)ECONOMICS DEPT.

39. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures

Statistics In progress

PROJECTS DEPT.

40. Program to prepare data on IERD loan disbursements
41. Preparation of a computer program to calculate cash flows
42. Cash flow calculation and rates of return

Chadenet In progress

Ripman In progress

Sander Completed

ADMINISTRATION

43. Plotting of salary/age charts by a computer program
44. Two computer runs

Eschenberg In progress

Van Nisnen Completed

D. GRAPHICSPROJECTS DEPT.

45. PAKISTAN - one chart - educational pyramid distribution of students enrolled
46. SUDAN - one organization chart on Land Clearance and Mechanized Crop Production Authority (LCMCA)\*

Steward On hand

Nelson In progress

ARGENTINE PROJECT

47. One chart on Nitrogenous Fertilizer Production by Years as a Functional Consumption Growth\*

Henny Completed

D. GRAPHICS (CONT.)ECONOMICS DEPT.

48. One chart on World Steel Trade\* May/Walstedt Completed

PRESIDENT'S OFFICE

49. One chart on Bank Loans to India\* Alisbah/Woods Completed

E. CONTINUINGA. EXTERNAL DEBT

- 50. Exchange Plan - preparation of latest semi-annual report
- 51. E.D.'s debt tables - preparation of tables as of most recent dates
- 52. Compilation of tables of all foreign bonds publicly issued in various markets from 1946 to present
- 53. Compilation of data on European dollar bonds issued in 1963 and 1964
- 54. Yields, deposit rates, weighted averages of Eurodollar issues in London
- 55. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

B. GENERAL STATISTICS

- 56. Maintenance of supplier vouchers on IBRD and IDA disbursements
- 57. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups
- 58. Maintenance of Commodity Prices
- 59. Maintenance of US and Foreign Commodity Price Indices

C. PROGRAMMING

- 60. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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\* New

cc: Messrs. deVries  
Kalmanoff  
King

Mr. Andrew M. Kamarek

March 7, 1966

George Kalmanoff

g.k.

Progress report of the International Development Finance Division  
for week ended March 4, 1966

Badri Rao - continued work on suppliers' credits study, completing draft memorandum on comprehensive statistical data for the period 1958-1965 for sample of 17 debtor countries, and processing data for other debtor countries; reviewed UN and UNCTAD documents concerning the basis for the development assistance target of 1% of national income.

Patrick de Fontenay - preparatory work for Spanish mission, completing statistical appendix and draft of general sections of the report.

Vinod Dubey - completed a note on the theory of effective tariffs.

Dina Driva - completed draft on the UK as a source of supply, and started work on the same subject for Italy, for the suppliers' credits study.

George Kalmanoff - suppliers' credits study - continued supervision of preparation of economic background materials, and reviewed draft report on the Bank proposal.

- proposed coffee diversification fund - prepared for, conducted and reported on meeting of informal working party.

- joint IBRD/FAO/ICO coffee study - memorandum concerning costing arrangements with FAO.

- coffee - review of commodity note.

- US contributions to IDA and IDA disbursements in US - drafted supplementary note to general memo of preceding week on principal Part I countries.

- joint OECD proposal on reporting of external lending - participated in further revisions.

- UNCTAD - reviewed summary of documents on Committee on Shipping.

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarch

March 4, 1966

Charles G. Goor

*LiG per pass*Progress Report of Statistics Division  
for the week ended March 3, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<u>A. EXTERNAL DEBT</u>		
<u>AFRICA</u>		
1. Posting, coding and preparation of debt tables: LIBERIA - December 31, 1964	Le Glare	In progress
2. EAST AFRICA - Special table for economic report*	Bruce	Completed
<u>EUROPEAN-MIDDLE EAST</u>		
3. Posting, coding and preparation of debt tables: YUGOSLAVIA - June 30, 1965		In progress
4. IRAQ - IBRD amortization schedules*	Bart	Completed
5. FINLAND - list of debts contracted in 1965*	Zafirion	Completed
<u>FAR EAST</u>		
6. Posting, coding and preparation of debt tables: NEW ZEALAND - December 31, 1965* SINGAPORE - December 31, 1965	Waide	In progress Completed
<u>SOUTH ASIA</u>		
7. Posting, coding and preparation of debt tables: INDIA - March, September, 1964; March, September, 1965 PAKISTAN - June, 1965	Votaw	In progress In progress
<u>WESTERN HEMISPHERE</u>		
8. Posting, coding and preparation of debt tables: ARGENTINA - June 30 and December 31, 1965 BRITISH GUIANA - June 30 and December, 1965 CHILE - June 30, 1965 GUATEMALA - December 31, 1965 HAITI - December 31, 1963, December 31, 1964 and June 30, 1965 ICELAND - June 30, 1965* PARAGUAY - December 31, 1965*	Ross van der Heijden Reitter  Kuczynski Zafirion Ross	In progress In progress In progress In progress  In progress In progress In progress

Mr. Andrew M. Kamarek

- 2 -

March 4, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

- |  |              |                        |
|--|--------------|------------------------|
| 9. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965             | Lerdau       | In progress            |
| 10. BRAZIL - posting, coding and preparation of debt tables as of June 30, 1965 showing disbursements on expected loans during 1966-67 | Schick       | In progress            |
| 11. IBRD Amortization Schedules:<br>COLOMBIA*<br>PARAGUAY*   | Duran-Ballen | Completed<br>Completed |

A/E-ME/FE/SA/WH

- |  |  |             |
|--|--|-------------|
| 12. Preparation of historical tables to end 1964 |  | In progress |
|--|--|-------------|

ECONOMICS DEPT.

- |  |                         |             |
|--|-------------------------|-------------|
| 13. Preparation of historical debt table on 37 countries | Nespoulous-<br>Neuville | In progress |
| 14. IRAN - coding of IBRD, AID, Exim, on a fiscal basis  |                         | In progress |
| 15. ALL COUNTRIES - Export-Import Bank coding IBM cards  |                         | In progress |
| 16. INDIA - Commitment and net investment on Bank loans* | Kamarek                 | Completed   |

PRESIDENT'S OFFICE

- |   |                                     |   |
|---|-------------------------------------|---|
| 17. Calculation of weighted average terms of external debts outstanding at December 31, 1964*<br>CHILE*<br>COLOMBIA*<br>PERU* | Avramovic<br>Avramovic<br>Avramovic | In progress<br>In progress<br>In progress |
|---|-------------------------------------|---|

PROJECTS DEPT.

- |  |  |             |
|--|--|-------------|
| 18. IBRD cumulative disbursements, 6/30/47 to 12/31/60 |  | In progress |
|--|--|-------------|

Mr. Andrew M. Kamarch

- 3 -

March 4, 1966

B. GENERAL STATISTICS

	<u>ECONOMICS DEPT.</u>	
19. IBRD loan disbursements and determination of percent disbursed	Goer	In progress
21. Italian and French production imports and sources of imports of petroleum and products, 1961 - June 1965	Villafuerte	Completed
22. Algerian import and export data for mission, 1955 - latest available	Villafuerte	Completed
23. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings	Singh	In progress
24. Price and income elasticities for cocoa	White/Macone	Completed
25. AFRICA - export values, selected commodities, 1961-63	Kundu	Completed
26. Calculating trend for economic indicators of tuna industry*	Ali	Completed
27. Miscellaneous GNP export calculations for several countries*	Rao	Completed
28. Regression analysis of export share of various countries*	deVries	In progress
	<u>FAR EAST (KOREAN MISSION)</u>	
29. Miscellaneous calculations for Korean Mission	Gulhati & others	In progress
	<u>INFO. OFFICE</u>	
30. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplier (updating - Germany, 1965)	Sankaran	In progress
31. IBRD and IDA disbursements by supplier and goods in Yugoslavia, Sweden, Germany and Netherlands*	Maher/Sankaran	In progress

March 4, 1966

B. GENERAL STATISTICS (CONT.)

<u>PRESIDENT'S OFFICE</u>		
32. Work relating to Annual Report	Kochav	In progress
<u>PROJECTS DEPT.</u>		
33. PERU - re-classifying data for loan #334 1963/64 to date	Sander	On hand
34. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBERD and Costa Rican banks)	Andreu	In progress
35. Optimum cost model of an educational project*	Hultin	In progress
36. INDUS BASIN - crop production potential 1965-2000	Helmers	Completed
<u>WESTERN HEMISPHERE</u>		
37. COLOMBIA - country accounts projection	Forst	In progress
38. BRAZIL - computations for tables to be included in report on external financing	Husain	In progress
<u>AFRICA</u>		
39. Population percentages, IDA/IBRD lending, etc.*	Ba	In progress
<u>ADMINISTRATION</u>		
40. Personnel study - rough charts*	Van Dijk	Completed
<u>SOUTH ASIA</u>		
41. Rate of return calculations*	Kraske	Completed
<u>ECONOMICS DEPT.</u>		
42. IBRD amortization tables program	Statistics	In progress

C. PROGRAMMING

Mr. Andrew M. Kamarck

- 5 -

March 4, 1966

C. PROGRAMMING (CONT.)ECONOMICS DEPT.

- |  |            |             |
|--|------------|-------------|
| 43. Program to edit, convert and balance input to exchange of information  | Statistics | Completed   |
| 44. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures | Statistics | In progress |
| 45. Program for producing exchange of information tables   | Statistics | In progress |

PROJECTS DEPT.

- |   |          |             |
|---|----------|-------------|
| 46. Program to prepare data on IBRD loan disbursements        | Chadenet | In progress |
| 47. Preparation of a computer program to calculate cash flows | Ripman   | In progress |
| 48. Cash flow calculation and rates of return*                | Sander   | In progress |

ADMINISTRATION

- |   |             |             |
|---|-------------|-------------|
| 49. Plotting of salary/age charts by a computer program | Eschenberg  | In progress |
| 50. Two computer runs                                   | Van Nimmern | In progress |

D. GRAPHICSPROJECTS DEPT.

- |  |         |          |
|--|---------|----------|
| 51. PAKISTAN - one chart - educational pyramid distribution of students enrolled | Steward | On hand  |
| 52. NIGERIA - three charts on estimated demand and capacity                      | Sheehan | Complete |

D. GRAPHICS (CONT.)ECONOMICS DEPT.

53. INDIA - four charts on commitments on Bank loans Kamarek Completed

54. Updating and revising 2 charts: IBRD Primary Commodity Price Index and Terms of Trade of Primary Products\* White Completed

TREASURY

55. Two final charts on Accounting Documents processed by Fiscal Section Johnston/Gray Completed

EDI

56. Two chart diagrams on Critical Path Method Lord Completed

E. CONTINUINGA. EXTERNAL DEBT

57. Exchange Plan - preparation of latest semi-annual report

58. E.D.'s debt tables - preparation of tables as of most recent dates

59. Compilation of table of all foreign bonds publicly issued in various markets from 1946 to present

60. Compilation of data on European dollar bonds issued in 1963 and 1964

61. Yields, deposit rates, weighted averages of Eurodollar issues in London

62. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

B. GENERAL STATISTICS

63. Maintenance of supplier vouchers on IBRD and IDA disbursements

64. Maintenance of IBRD Primary Commodity Index for Low and Medium Income Groups

E. CONTINUING (CONT.)

B. GENERAL STATISTICS

65. Maintenance of Commodity Prices

66. Maintenance of US and Foreign Commodity Price Indices

C. PROGRAMMING

67. Maintenance of existing programs (such as revisions, updating, debugging and assistance in interpretation)

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\* New

cc: Messrs. deVries  
Kalmanoff  
King

Mr. Andrew M. Kamarck

February 28, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for week ended February 25, 1966

Badri Rao - continued work on suppliers' credits study, analyzing comprehensive statistical data for the period 1958-1965 for a sample of 17 debtor countries.

Patrick de Fontenay - continued work on draft of paper on France as a source of supply for suppliers' credits study; prepared statistical appendix for Spanish mission; attended meetings on import substitution, and stabilization of primary products.

Vinod Dubey - continued work on import substitution and protection study, preparing a note on the theory of effective tariffs and tariff structure, and minutes of a meeting on the study.

Dina Driva - continued work on draft of paper on the U.K. as a source of supply for the suppliers' credits study.

George Kalmanoff - suppliers' credits study - continued supervision of preparation of economic background materials.

- IDA contributions and disbursements by principal Part I countries - drafted memo.

- UNCTAD - participated in briefing of Bank representative at meeting of experts on trade among developing countries and regional development.

- proposed coffee diversification fund - meetings with Mr. Santos and review of draft articles of agreement; preparations for meeting of informal working party.

- Lovasy project on devices for primary commodity stabilization - participated in planning meeting on the project.

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

*Cps. Admon.*

Mr. Andrew M. Kamarck

February 25, 1966

Charles G. Goor *CGG per jam*

Progress Report of Statistics Division  
for the week ended February 24, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<u>A. EXTERNAL DEBT</u>		
<u>AFRICA</u>		
1. Posting, coding and preparation of debt tables: LIBERIA - December 31, 1964	Le Clerc	In progress
<u>EAST - MIDDLE EAST</u>		
2. Posting, coding and preparation of debt tables: SPAIN - June, 1965 YUGOSLAVIA - June 30, 1965	van der Mel	Completed In progress
<u>FAR EAST</u>		
3. Posting, coding and preparation of debt tables: SINGAPORE - December 31, 1965	Waide	In progress
<u>SOUTH ASIA</u>		
4. Posting, coding and preparation of debt tables: INDIA - March, September, 1964, March, September, 1965 PAKISTAN - June, 1965	Votaw	In progress In progress
<u>WESTERN HEMISPHERE</u>		
5. Posting, coding and preparation of debt tables: BRITISH GUIANA - June 30, 1965 CHILE - June 30, 1965 HAITI - December 31, 1963, December 31, 1964 and June 30, 1965	Reitter Kuczynski	In progress In progress In progress
6. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965	Lerdau	In progress
7. ARGENTINA - posting, coding and preparation of debt tables as of June 30, 1965 and December 31, 1965 *	Ross	In progress

February 25, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

- |  |        |             |
|--|--------|-------------|
| 8. GUATEMALA - posting, coding and preparation of debt tables as of December 31, 1965*   |        | In progress |
| 9. BRAZIL - posting, coding and preparation of debt tables as of June 30, 1965 showing disbursements on expected loans during 1966-67* | Schick | In progress |

A/E-ME/FE/SA/WH

- |  |  |             |
|--|--|-------------|
| 10. Preparation of historical tables to end 1964 |  | In progress |
|--|--|-------------|

ECONOMICS DEPT.

- |  |                     |             |
|--|---------------------|-------------|
| 11. Preparation of historical debt table on 37 countries | Nespoulous-Neuville | In progress |
| 12. IRAN - coding of IBRD, AID, Exim, on a fiscal basis  |                     | In progress |
| 13. ALL COUNTRIES - Export-Import Bank coding IBM cards* |                     | In progress |
| 14. INDIA - Commitments on bank loans*                   | Kamarck             | Completed   |

PROJECTS DEPT.

- |  |  |             |
|--|--|-------------|
| 15. IBRD cumulative disbursements, 6/30/47 to 12/31/60 |  | In progress |
|--|--|-------------|

B. GENERAL STATISTICSECONOMICS DEPT.

- |   |         |             |
|---|---------|-------------|
| 16. IBRD loan disbursements and determination of percent disbursed  | Goor    | In progress |
| 17. KOREA - calculations for Korean Mission   | Gulhati | In progress |
| 18. Regression analysis between per capita income in selected under-developed countries and various components of government expenditures | Sharif  | Completed   |

February 25, 1966

B. GENERAL STATISTICS (CONT.)ECONOMICS DEPT.

- |  |              |             |
|--|--------------|-------------|
| 19. Italian and French production imports and sources of imports of petroleum and products, 1961 - June 1965   | Villafuerte  | In progress |
| 20. Algerian import and export data for mission, 1955 - latest available   | Villafuerte  | In progress |
| 21. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings | Singh        | In progress |
| 22. Price and income elasticities for cocoa  | White/Macone | In progress |
| 23. AFRICA - export values, selected commodities, 1961-63  | Kundu        | In progress |
| 24. Korea mission: annual growth rate of population, food production and disposition, value added per employed worker*                                       | Gulhati      | In progress |
| 25. Cocoa annual average series by actual and real value*  | White        | Completed   |
| 26. Correlation of per capita income and per capita fiber consumption for various countries*   | Walstedt     | Completed   |

FAR EAST (KOREAN MISSION)

- |  |            |             |
|--|------------|-------------|
| 27. Calculations - standard deviations and other calculations as requested | Shafi/Niaz | In progress |
| 28. Miscellaneous calculations for Korean Mission                          | Niaz       | In progress |

INFO. OFFICE

- |  |          |             |
|--|----------|-------------|
| 29. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplies (updating - Germany, 1965) | Sankaran | In progress |
|--|----------|-------------|

PRESIDENT'S OFFICE

- |                                    |        |             |
|------------------------------------|--------|-------------|
| 30. Work relating to Annual Report | Kochav | In progress |
|------------------------------------|--------|-------------|

B. GENERAL STATISTICS (CONT.)PROJECTS DEPT.

31. PERU - re-classifying data for loan #334 1963/64 to date	Sander	On hand
32. COSTA RICA - calculation of funds available to Costa Rican banks for relending to farmers (original funds from IBRD and Costa Rican banks)	Andreu	In progress
33. INDUS BASIN - crop production potentien 1965-2000*	Helmers	In progress
34. Discount Cost 7 low rates*	White	Completed

WESTERN HEMISPHERE

35. COLOMBIA - country accounts projection	Forst	In progress
36. BRAZIL - computations for tables to be included in report on external financing	Husain	In progress

C. PROGRAMMINGECONOMICS DEPT.

7. IBRD amortization tables program	Statistics	In progress
38. Program to edit, convert and balance input to exchange of information	Statistics	In progress
39. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics	In progress
40. Program for producing exchange of information tables	Statistics	In progress
41. Long time trends of exports for 14 selected countries*	Maccone	Completed

February 25, 1966

C. PROGRAMMING (CONT.)

42. Program to prepare data on IBRD loan disbursements

PROJECTS DEPT.

Chadenet In progress

43. Preparation of a computer program to calculate cash flows\*

Ryman In progress

ADMINISTRATION

44. Plotting of salary/age charts by a computer program

Eschenberg In progress

45. Rate of returns of Agricultural commodities\*

Humphrey Completed

46. Two computer runs\*

Van Nimmern In progress

D. GRAPHICSPROJECTS DEPT.

47. PAKISTAN - one chart - educational pyramid distribution of students enrolled

Steward On hand

48. KENYA - educational project construction Progress chart\*

Oltmanns Completed

49. NIGERIA - three charts on estimated demand and capacity

Sheehan In progress

50. SIERRE LEONE - educational pyramid and proposed educational system flow diagram

McMahon Completed

ECONOMICS DEPT.

51. INDIA - one chart on commitments on Bank loans\*

Kamarck In progress

TREASURY

52. Two final charts on Accounting Documents processed by Fiscal Section

Johnston/Gray In progress

February 25, 1966

D. GRAPHICS (CONT.)

	<u>EDI</u>	
53. Two chart diagrams on Critical Path Method	Lord	On hand
	<u>IFC</u>	
54. Break Even Graph (Indo-Nepal Textiles)	El Darwish	Completed
55. Break-even Graph (ECCASA-Honduras)*	Kemp	Completed

E. CONTINUING

- 56. Data for charts - data compilation, maintenance and new charts
- 57. Exchange Plan - preparation of latest semi-annual report
- 58. E.D.'s debt tables - preparation of tables as of most recent dates
- 59. Maintenance of supplier vouchers on IBRD disbursements
- 60. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).
- 61. KOREA - consolidated tables of budget expenditures
- 62. Compilation of table of all foreign bonds publicly issued in various markets from 1946 to present
- 63. Compilation of data on European dollar bonds issued in 1963 and 1964
- 64. Yields, deposit rates, weighted averages of Eurodollar issues in London
- 65. Maintenance of IBRD Primary Commodity Index for low and medium Income Groups
- 66. Maintenance of Commodity prices
- 67. All countries - conversion of Treasurer's IBM cards to Statistics IBM cards for December 31, 1965

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\* New

cc: Messrs. de Vries  
 Kalmanoff  
 King

6 ps. Admin.

Mr. Andrew M. Kamarck

February 21, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for the week ended February 18, 1966

Badri Rao - continued work on IBRD/IDA local currency subscriptions, and on suppliers' credits study; reported to the Banque Francaise et Italienne pour l'Amerique du Sud on IBRD/IDA operations in Latin America.

Patrick de Fontenay - continued work on revision of paper on cost-sharing formula; drafted memo on provisional report of C.I.A.P.'s expert group on international monetary problems; preparatory work for mission to Spain; worked on draft of paper on France as a source of supply for suppliers' credits study.

Vinod Dubey - worked on a note on the treatment of import substitution and the structure of protection in the report of the Committee of Economic Inquiry in Australia.

Dina Driva - worked on draft of paper on the U.K. as a source of supply for the suppliers' credits study.

George Kalmanoff - Suppliers' credits study - work related to organization of economic background studies.

- 9% IBRD and 90% IDA national currency subscriptions - completed drafting of memo.

- UNCTAD - participated in meeting to brief Bank representative at conference of experts on trade among developing countries and regional development; made arrangements for UNCTAD personnel to visit Bank to discuss mobilization of local resources in developing countries.

- Bank/OECD proposal on loan reporting - continued work on certain revisions.

- IBRD/FAO/ICA Joint Coffee Study - replied to FAO proposal on certain costing arrangements.

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarck

February 18, 1966

Charles G. Goor

Progress Report of Statistics Division  
for the week ended February 17, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<u>A. EXTERNAL DEBT</u>		
<u>AFRICA</u>		
1. Posting, coding and preparation of debt tables: LIBERIA - December 31, 1964	Le Clerc	In progress
<u>EAST - MIDDLE EAST</u>		
2. Posting, coding and preparation of debt tables: SPAIN - June, 1965 YUGOSLAVIA - June 30, 1965	van der Mel	In progress In progress
<u>FAR EAST</u>		
3. Posting, coding and preparation of debt tables: SINGAPORE - December 31, 1965	Waide	In progress
<u>SOUTH ASIA</u>		
4. Posting, coding and preparation of debt tables: INDIA - March, September, 1964, March, September, 1965 PAKISTAN - June, 1965	Votaw	In progress In progress
<u>WESTERN HEMISPHERE</u>		
5. Posting, coding and preparation of debt tables: BRITISH GUIANA - June 30, 1965 CHILE - June 30, 1965 COLOMBIA - June 30, 1965 HAITI - December 31, 1963, December 31, 1964 and June 30, 1965 JAMAICA - December 31, 1965	Reitter  Kuczynski	In progress In progress Completed  In progress Completed
6. ARGENTINA - posting creditor source and coding		In progress
7. MEXICO - preparation of special debt tables showing breakdown by debtor, maturity and interest rate as of June 30, 1965	Lerdau	In progress

February 18, 1966

A. EXTERNAL DEBT (CONT.)WESTERN HEMISPHERE

8. Amortization schedule for proposed IBRD loan\*
- JAMAICA\*
- EL SALVADOR\*
- HONDURAS\*
- COLOMBIA\*

Kuriyama	Completed
Velsor	Completed
Velsor	Completed
Gue	Completed

A/E-ME/FE/SA/WH

9. Preparation of historical tables to end 1964

In progress

ECONOMICS DEPT.

10. Preparation of historical debt table on 37 countries
11. IRAN - coding of IBRD, AID, Exim, on a fiscal basis\*
12. All countries - conversion of Treasurer's IEM cards to Statistics IEM cards for December 31, 1965\*

Nespoulous-Neuville	In progress
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In progress

In progress

PROJECTS DEPT.

13. IBRD cumulative disbursements, 6/30/47 to 12/31/60\*

In progress

B. GENERAL STATISTICSECONOMICS DEPT.

14. IBRD loan disbursements and determination of percent disbursed
15. KOREA - calculations for Korean Mission
16. Regression analysis between per capita income in selected under-developed countries and various components of government expenditures
17. Italian and French production imports and sources of imports of petroleum and products, 1961 - June 1965

Geor	In progress
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Gulhati	In progress
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Sharif	In progress
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Villafuerte	In progress
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February 18, 1966

B. GENERAL STATISTICS (CONT.)ECONOMICS DEPT.

18. Algerian import and export data for mission, 1955 - latest available	Villafuerte	In progress
19. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations, and analysis of findings	Singh	In progress
20. Price and income elasticities for cocoa	White/Macone	In progress
21. AFRICA - export values, selected commodities, 1961-63*	Kundu	In progress
22. IBRD disbursements rough charts, 1960-65	Goor	Completed
23. Miscellaneous calculations*	Driva	Completed
24. Hard fiber prices (historical series)*	Singh	Completed
25. Correction of jute exports and aggregate demand in U.S. and European members of OECD*	Varon	Completed
26. KOREAN MISSION - Budget analysis*	Gulhati	Completed

FAR EAST(KOREAN MISSION)

27. Calculations - standard deviations and other calculations as requested	Shafi/Niaz	In progress
28. Miscellaneous calculations for Korean Mission	Niaz	In progress

INFO. OFFICE

29. GERMANY, NETHERLANDS - IBRD disbursements by amounts, type of equipment, and supplies (updating - Germany, 1965)	Sankaran	In progress
30. SWEDEN - IBRD disbursements for 1964-65*	Sankaran	Completed
31. IBRD - industry loans (by phone)*	Grenier	Completed

PRESIDENT'S OFFICE

32. Work relating to Annual Report*	Kochav	In progress
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February 18, 1966

B. GENERAL STATISTICS (CONT.)PROJECTS DEPT.

- |   |                   |             |
|---|-------------------|-------------|
| 33. PERU - re-classifying data for loan #334<br>1963/64 to date   | Sander            | In progress |
| 34. INDUS BASIN - output projections and present<br>value calculations of increased output*   | Wapenhans/Helmers | Completed   |
| 35. COSTA RICA - calculation of funds available to<br>Costa Rican banks for relending to farmers<br>(original funds from IBRD and Costa Rican banks)* | Andreu            | In progress |

WESTERN HEMISPHERE

- |  |        |             |
|--|--------|-------------|
| 36. COLOMBIA - country accounts projection   | Forst  | In progress |
| 37. BRAZIL - computations for tables to be<br>included in report on external financing | Husain | In progress |

C. PROGRAMMINGECONOMICS DEPT.

- |  |            |             |
|--|------------|-------------|
| 38. IBRD amortization tables program   | Statistics | In progress |
| 39. Program to edit, convert and balance<br>input to exchange of information   | Statistics | In progress |
| 40. Planning a new system for coding, punching,<br>assembling, editing, adjusting, updating,<br>external debt data in the form of a data bank<br>and the required retrieval and processing<br>procedures | Statistics | In progress |
| 41. Program for producing exchange of information<br>tables  | Statistics | In progress |

PROJECTS DEPT.

- |   |          |             |
|---|----------|-------------|
| 42. Rate of return calculation*                             | Goffin   | Completed   |
| 43. Program to prepare data on IBRD loan dis-<br>bursements | Chadenet | In progress |

## C. PROGRAMMING (CONT.)

44. Plotting of salary/age charts by a computer program\*

ADMINISTRATION

Eschenberg In progress

D. GRAPHICSPROJECTS DEPT.

45. PAKISTAN - one chart - educational pyramid distribution of students enrolled

Steward On hand

46. LIBERIA - one organization chart on second highway project

Paraud Completed

47. NIGERIA - three charts on estimated demand and capacity

Sheehan On hand

48. SIERRE LEONE - educational pyramid and proposed educational system flow diagram

McMahon In progress

ECONOMICS DEPT.

49. One chart - relationship between per capita income and per capita consumption of fiber

Lall/Walstedt Completed

AFRICA (Ghana Mission)

50. Two organization charts - Indicative Scheme for the organization of an Emergency Effort to expand Production and Ministry of Agriculture\*

Hanson Completed

TREASURY

51. Three sketches on Accounting Documents processed by Fiscal Section\*

Johnston/Gray Completed

52. Two final charts on Accounting Documents processed by Fiscal Section\*

Johnston/Gray On hand

EDI

53. Two chart diagrams on Critical Path Method\*

Lord On hand

## C. PROGRAMMING (CONT.)

IPC

54. One chart on Break Even Graph Indo-Nepal  
Textiles\* El Darwish On hand

E. CONTINUING

55. Data for charts - data compilation, maintenance and new charts  
56. Exchange Plan - preparation of latest semi-annual report  
57. E.D.'s debt tables - preparation of tables as of most recent dates  
58. Maintenance of supplier vouchers on IBRD disbursements  
59. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).  
60. KOREA - consolidated tables of budget expenditures  
61. Compilation of table of all foreign bonds publicly issued in various markets from 1946 to present  
62. Compilation of data on European dollar bonds issued in 1963 and 1964  
63. Yields, deposit rates, weighted averages of Eurodollar issues in London

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\* New

cc: Mr. de Vries  
Mr. Kalmanoff  
Mr. King

Mr. Andrew M. Kamarek

February 14, 1966

George Kalmanoff G.K.

Progress report of the International Development Finance Division

Badri Rao - completed report on attendance at recent meeting of the Berne Union, and a special memo on questions raised at the meeting concerning a technical default on certain external debt by Uruguay and on external parallel financing for Mexico; drafted minutes of the meeting of the preceding week on external debt statistics for consideration by the co-rapporteur of the IMF (Mr. Juusela); worked on revision of memorandum on local currency contributions to the Bank and IDA; supplied information on magnitudes of external aid.

Patrick de Fontenay - drafted report on UNCTAD Financing Committee meeting concerned with international monetary reform and the developing countries; worked on revision of paper on cost-sharing formula.

Vinod Dubey - continued work on the import substitution and protection study, reviewing the papers of the Manila Conference on Industrialization, and dealing with some questions in the theory of capital transfer.

Dina Driva - continued work on balance of payments effects of IDA operations on Part I countries; continued research on policy measures affecting private international capital flows.

George Kalmanoff - Bank/OECD proposal on loan reporting - continued work on certain revisions.

- Malaysia - reviewed draft conclusions and recommendations of Economic Sub-committee.

- Magnitudes of aid - supplied information to Mr. Friedman for Paul Hoffman on magnitudes of net official aid, technical assistance, and estimate of aid by degree of "softness".

- Suppliers credits study - undertook work related to organization of the drafting of the study.

- UNCTAD - met with Mr. Malinowski, Director of the Division of Invisibles, and others concerning his work and Bank activities in tourism and other invisibles.

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarek

February 8, 1966

George Kalmanoff

gs. K.

Progress report of the International Development Finance Division  
for the week ended February 4, 1966

Badri Rao - served as Bank rapporteur at the week-long meeting of experts on compilation of external debt statistics

Patrick de Fontenay - served as one of two Bank representatives at meeting of UNCTAD Committee on Invisibles and Financing related to Trade which considered the report of the UNCTAD experts on international monetary reform and the developing countries

Vinod Dubey - continued work on the import substitution and protection study, reviewing the papers of the Manila Conference on Industrialization

Dina Driva - continued work on contributions of Part I IDA members compared to IDA disbursements in those countries; and continued research on policy measures affecting private international capital flows

George Kalmanoff - External debt statistics - participated in week-long meeting of experts on this proposal

- Bank/OECD proposal on reporting of external lending by creditor countries - participated in meetings concerned with revision of the proposal

GK:ame

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarek

February 4, 1966

Charles G. Goor

Progress Report of Statistics Division for the week ended  
February 3, 1966

WorkRequested byStatusA. EXTERNAL DEBT

## 1. Posting, coding and preparation of debt tables:

Kenya - June 30, 1965  
 Morocco - June and December 1964  
 Nicaragua - June, 1965  
 Uganda - June 30, 1965  
 British Guinea - June 30, 1965  
 Chile - June 30, 1965  
 Colombia - June 1965  
 Haiti - December 31, 1963, December 31, 1964, and June 30, 1965  
 India - March, September 1964, March, September, 1965  
 Italy - June, 1965  
 Jamaica - December 31, 1966\*  
 Liberia - December 31, 1964  
 Mauritius - December 1963, December 1964  
 Pakistan - June 1965  
 Singapore - December 31, 1965

Bruce (A) Completed  
 Africa Completed  
 Kuczynski (WH) Completed  
 Bruce (A) Completed  
 WH In progress  
 Reitter (WH) In progress  
 WH In progress  
 Kuczynski (WH) In progress  
 Votaw (SA) In progress  
 Schaad (E-ME) In progress  
 WH In progress  
 Le Clerc (A) In progress  
 Africa In progress  
 SA In progress  
 Waide (FE) In progress

## 2. Three amortization schedules for proposed IFC loans\*

Kapur (IFC) In progress

## 3. Compilation of data on European dollar bonds issued in 1963 and 1964

Ec.D. In progress

## 4. Compilation of table of all foreign bonds, publicly issued in various markets from 1946 to present

Ec.D. In progress

## 5. Computing the weighted average terms of cumulative amounts of external public debt outstanding at December 31, 1964 for Chile, Peru and Colombia

Lari (Ec.D.) In progress

## 6. India - special breakdown for India debt tables as of March 31, 1965; breakdown of IFRD loans into allocated and unallocated; individual projections for IFRD

Katz  
 South Asia In progress

## 7. Preparation of historical debt table on 37 countries

Nespoulous-  
 Neuville  
 (Ec.D.) In progress

8. Preparation of historical tables to end 1964	WH/E-ME/A-FE/SA	In progress
9. Senegal - reconciliation of IBRD debt tables and budget report 1965-66 prepared by Senegal	Cojet (A)	In progress
10. Tunisia - comparison of our tables with the tables brought back from Mission	Decaux (A)	In progress
11. Yields, deposit rates, weighted averages of Eurodollar Issues in London	Ec.D.	In progress
<b>B. <u>GENERAL STATISTICS</u></b>		
12. Compiling a price series on ground-nuts for use of the Nigerian Mission	Miss White (Ec.D.)	Completed
13. Calculations for Korea Missions*	Gulhati (Ec.D.)	Completed
14. IDA distribution in Austria as of December 31, 1965 by loan number, type goods, amount and supplier	Haushofer (E.D.)	Completed
15. Checking Project Report (Paraguay)*	Duncan (PD)	Completed
16. Checking Project Report (Port of Pisco - Peru)*	Clark (PD)	Completed
17. IDA loan calculations*	Driva (Ec.D.)	Completed
18. Export commodities for various countries*	Rao (Ec.D.)	Completed
19. Industrial fig.work of Brazil*	Husain (WE)	Completed
20. Investment income and direct investment in selected countries*	Rao (Ec.D.)	Completed
21. Miscellaneous calculations (net disbursements)*	Driva (Ec.D.)	Completed
22. Uganda tea project cash flow*	Goffin (PD)	Completed
23. Algerian import and export data for mission, 1955 to latest available	Villafuerte (Ec.D.)	In progress

24. Calculations for Korea Mission	Gulhati (Ec.D.)	In progress
25. Calculations - standard deviations and other calculations as requested*	Shafi/Niag Korean Mission	In progress
26. Country Accounts Projection	Frost (W.H.)	In progress
27. IBRD disbursements in U.S., fourth quarter 1965 by State, amount and number of suppliers in each State*	Graves (O.I.)	In progress
28. Peru - re-classifying data for loan No. 334 - 1963/64 to date	Sander (P.D.)	In progress
29. Price and income elasticities for cocoa	White/Macone (Ec.D.)	In progress
30. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations and analysis of findings	Singh (Ec.D.)	In progress
<u>C. PROGRAMMING</u>		
31. Economic life of freight cars (rate of return calculations)	Haker (P.D.)	In progress
32. IBRD amortization tables program	Statistics Division	In progress
33. Iran road study tabulations	de Wille (Ec.D.)	In progress
34. Program to edit, convert and balance input to exchange of information	Statistics Division	In progress
35. Program for producing exchange of information tables	Statistics Division	In progress
36. Program to prepare data on IBRD loan disbursements	Chadenet (P.D.)	In progress
37. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics Division	In progress
38. Program for tabulations of Iran road study	de Wille (Ec.D.)	In progress

D. GRAPHICS

39. Cameroon - one organization chart on Development Corporation	Rushmore (P.D.)	Completed
40. Uganda - education project construction progress chart	Oltmanns (P.D.)	Completed
41. Two charts on Staff Retirement Plan	Rutland (Treas.)	Completed
42. Uganda - six charts on school enrollment, educational structure and drop out curve, etc.	Hultin (P.D.)	In progress
43. Two organization charts - indicative scheme for the organization of an emergency effort to expand production from Natural Resources and Ministry of Agriculture	Hanson (G. Mission)	On hand
44. One organization chart of Nigerian Industrial Development Bank, Ltd.	Thomas (IFC)	On hand
45. Pakistan - one chart - educational pyramid-distribution of students enrolled	Stewart (P.D.)	On hand
46. Uganda - 5 charts - government cost of education	Pichler (P.D.)	On hand
47. Liberia - one organization chart on second highway project	Paroud (P.D.)	On hand
48. One chart - Free World Production Trends of Manufacturer and Primary Aluminum	Huang (Ec.D.)	On hand
49. One chart - relationship between per capita income and per capita consumption of fiber	Lall/Walstedt (Ec.D.)	On hand

E. CONTINUING

50. Data for charts - data compilation, maintenance and new charts

51. Exchange Plan - preparation of latest semi-annual report

52. E.D.'s debt tables - preparation of tables as of most recent dates

53. Maintenance of supplier vouchers on IBRD disbursements

54. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).

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\* New

cc: Mr. de Vries  
Mr. Kalmanoff

*6ps. Admin.*

Mr. Andrew M. Kamarck

February 2, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for the week ended January 28, 1966

Badri Rao - attended meeting of Berne Union at Scheveningen, Netherlands

Patrick de Fontenay - completed memorandum on cost-sharing formula; checked translation into French of supplementary financing study; preparatory work for meeting on international monetary reform of UNCTAD's Committee on Invisibles and Financing related to Trade; investigated terms of a particular Bank borrowing in Germany

Vinod Dubey - continued work on the import substitution and protection study

Dina Driva - prepared data on contributions of Part I IDA members compared to IDA disbursements in those countries

George Kalmanoff - UNCTAD matters - worked on question of Bank representation at meeting of Committee on Manufactures and meeting of experts on trade among developing countries and regional development; participated in Bank discussion with UNCTAD representative of 1966 work program pursuant to resolutions of Committee on Invisibles and Financing related to Trade

- Malaysia - prepared for and chaired meeting of Economic Subcommittee

- Coffee diversification fund - participated in and prepared memo on meeting with U.S. Deputy Assistant Secretary of State for International Resources

- Prepared memo on Foreign economic aid highlights in the U.S. Federal budget proposed for fiscal year 1967

- Revised memo for Executive Directors on the magnitude of IBRD lending in international aid, and IBRD/IDA expenditures in developing countries

- DAC matters - participated in meetings on work of subcommittee concerned with matters of interest to Bank (external debt, suppliers' credits)

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarok

January 28, 1966

Charles G. Coor *CGC*Progress Report of Statistics Division for the week ended  
January 27, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
1. Brazil - Updating of June 30, 1965 debt tables prepared by Bank of Brazil	Schick (WH)	Completed
2. Brazil - amortization schedule for proposed IBRD loan of \$19,000,000*	Perez (WH)	Completed
3. Colombia - Updating of quarterly status reports	Oue (WH)	Completed
4. Calculating amount owed by under-developed countries to creditors other than the U.S. and Canada*	Nespoulous-Neuville (Ec.D.)	Completed
5. Preparation of summary table of publicly-issued and privately-placed foreign bonds and equities for the third quarter of 1965	Ec.D.	Completed
6. Posting, coding and preparation of debt tables:		
Gabon - June 30, 1965	Paijmans (A)	Completed
Netherlands - December 31, 1965	Zafirion (E-ME)	Completed
Paraguay - June 1965	WH	Completed
Tanzania - June 30, 1965	Bruce (A)	Completed
British Guinea - June 30, 1965*	WH	In progress
Chile - June 30, 1965	Reitter (WH)	In progress
Colombia - June 1965	WH	In progress
Haiti - December 31, 1963, December 31, 1964 and June 30, 1965	Kuczynski (WH)	In progress
India - March, September 1964, March, September, 1965		
Italy - June, 1965	Votaw (SA)	In progress
Kenya - June 30, 1965	Schaad (E-ME)	In progress
Liberia - December 31, 1964*	Bruce (A)	In progress
Mauritius - December 1963, December 1964	Le Clerc (A)	In progress
Morocco - June and December 1964	Africa	In progress
Nicaragua - June, 1965	Africa	In progress
Pakistan - June 1965	Kuczynski (WH)	In progress
Singapore - December 31, 1965*	SA	In progress
Uganda - June 30, 1965	Waide	In progress
	Bruce (A)	In progress

7. Compilation of data on European dollar bonds issued in 1963 and 1964	Ec.D.	In progress
8. Compilation of table of all foreign bonds, publicly issued in various markets from 1946 to present	Ec.D.	In progress
9. Computing the weighted average terms of cumulative amounts of external public debt outstanding at December 31, 1964 for Chile, Peru and Colombia*	Lari (Ec.D.)	In progress
10. India - special breakdown for India debt tables as of March 31, 1965; breakdown of IBRD loans into allocated and unallocated; individual projections for IBRD*	Katz South Asia	In progress
11. Preparation of historical debt table on 37 countries	Nespoulous- Neuville (Ec.D.)	In progress
12. Preparation of historical tables to end 1964	WH/E-ME/A- FE/SA	In progress
13. Senegal - reconciliation of IBRD debt tables and budget report 1965-66 prepared by Senegal	Cojet (A)	In progress
14. Tunisia - comparison of our tables with the tables brought back from Mission	Decaux (A)	In progress
15. Yields, deposit rates, weighted averages of Eurodollar Issues in London	Ec.D.	In progress
<b>B. GENERAL STATISTICS</b>		
16. Assorted calculations*	King (Ec.D.)	Completed
17. IBRD disbursements in U.S. by state, amount and number of suppliers, 3rd quarter, 1965	Graves (O.I.)	Completed
18. IBRD disbursements in Austria, 1961-65, by loan number, supplier, type goods and amount	Haushofer (E.D.)	Completed
19. Latin American cash flow, 1950-64*	Lari (Ec.D.)	Completed
20. Public debt service ratios for developing countries*	Lari (Ec.D.)	Completed
21. Thailand - import and export by commodity, 1964	Lenfant and Hammel (F.E.)	Completed

22. Compiling a price series on ground-nuts for use of the Nigerian Mission*	Miss White (Ec.D.)	In progress
23. Calculations for Korea Mission	Gulhati (Ec.D.)	In progress
24. Country Accounts Projection	Frost (WH)	In progress
25. IDA distribution in Austria as of December 31, 1965 by loan number, type goods, amount and supplier*	Haushofer (E.D.)	In progress
26. Peru - re-classifying data for loan No. 334 - 1963/64 to date	Sander (P.D.)	In progress
27. Price and income elasticities for cocoa	Miss White/ Macene (Ec.D.)	In progress
28. Algerian import and export data for mission, 1955 to latest available*	Villafuerte (Ec.D.)	In progress
29. Rice study - analysis of factors affecting world demand and supply including computer programs, charts, research, calculations and analysis of findings	Singh (Ec.D.)	In progress
<b>C. PROGRAMMING</b>		
30. Matrix inversion and regression analysis (4 computer runs)*	Van Mimmnen (Admin.)	Completed
31. Economic life of freight cars (rate of return calculations)*	Haker (P.D.)	In progress
32. IBRD amortization tables program	Statistics Division	In progress
33. Iran road study tabulations	de Waille (Ec.D.)	In progress
34. Program to edit, convert and balance input to exchange of information	Statistics Division	In progress
35. Program for producing exchange of information tables	Statistics Division	In progress
36. Program to prepare data on IBRD loan disbursements	Chadenet (P.D.)	In progress
37. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics Division	In progress

38. Program for tabulations of Iran road study	de Weille (Ec.D.)	In progress
D. <u>GRAPHICS</u>		
39. Bangalore Water Supply and Sewerage Project - one flow diagram and one organization chart	Morse (P.D.)	Completed
40. One chart - IBRD and IFC cable count	Georgian (Admin.)	Completed
41. Nigeria - outstanding debt and ratio of debt service payments to National Savings	Avramovic (N. Mission)	Completed
42. One chart relationship between annual output of steel and size of furnace	Lall/ Walstedt (Ec.D.)	Completed
43. Administrative expenses and number of staff - 6 chart sketches	Twining (Admin.)	Completed
44. One chart sketch on coffee prices, 1963-1965	Datas- Panero (Ec.D.)	Completed
45. Uganda - five charts on school enrollment, educational structure and drop out curve, etc.	Haltin (P.D.)	On hand
46. Two organization charts - indicative scheme for the organization of an emergency effort to expand production from Natural Resources and Ministry of Agriculture	Hanson (G. Mission)	On hand
47. One organization chart of Nigerian Industrial Development Bank, Ltd.	Thomas (IFC)	On hand
48. Pakistan - one chart - educational pyramid-distribution of students enrolled	Stewart (P.D.)	On hand
49. Cameroon - one organization chart on Development Corporation	Humphrey (P.D.)	On hand
50. Uganda - 4 charts - government cost of education	Pichler (P.D.)	On hand
51. Liberia - one organization chart on second highway project	Paraud (P.D.)	On hand
52. One chart - Free World Production Trends of Manufacturer and Primary Aluminum	Huang (Ec.D.)	On hand

January 28, 1966

- |  |                              |         |
|--|------------------------------|---------|
| 53. Uganda - education project construction progress chart                                 | Oltmanns<br>(P.D.)           | On hand |
| 54. One chart - relationship between per capita income and per capita consumption of fiber | Lall/<br>Walstedt<br>(Ec.D.) | On hand |

E. CONTINUING

- 55. Data for charts - data compilation, maintenance and new charts
- 56. Exchange Plan - preparation of latest semi-annual report
- 57. E.D.'s debt tables - preparation of tables as of most recent dates
- 58. Maintenance of supplier vouchers on IBRD disbursements
- 59. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).

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\* New

cc: Mr. de Vries  
Mr. Kalmanoff

Mr. Andrew M. Kamarck

January 25, 1966

Charles G. Goor

Progress Report of Statistics Division for the week ended  
January 20, 1966

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
1. Posting, coding and preparation of debt tables: EASCO - June, 1965 Mauritania - June 30, 1965 UAR - September 30, 1965	Bruce (A) Benjenk (A) Wouters (E-ME)	Completed Completed Completed
2. Brazil - amortization schedule for proposed IBRD loans of \$120,000,000 and \$70,000,000*	Husain (WH)	Completed
3. Calculated rate of return on 3 loans*	Picciotto (PD)	Completed
4. Jamaica - amortization schedule for proposed IBRD loan of \$22,000,000*	Kuriyama (WH)	Completed
5. Tunisia - calculation of rate of returns*	Benjenk (A)	Completed
6. Posting, coding and preparation of debt tables: Chile - June 1965 Colombia - June 1965 Gabon - June 30, 1965 Haiti - December 31, 1963, December 31, 1964, and June 30, 1965 India - March, September 1964, March, September, 1965 Italy - June, 1965 Kenya - June 30, 1965 Mauritius - December 1963, December 1964 Morocco - June and December 1964 Netherlands - December 31, 1965* Nicaragua - June, 1965 Pakistan - June 1965 Paraguay - June 1965 Tanzania - June 30, 1965 Uganda - June 30, 1965	Reitter (WH) WH Paijmans (A) Kuczynski (WH) Votaw (SA) Schaad (E-ME) Bruce (A) Africa Africa Zafirliou (E-ME) Kuczynski (WH) SA WH Bruce (A) Bruce (A)	In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress In progress
7. Brazil - Updating of June 30, 1965 debt tables prepared by Bank of Brazil*	Schick (WH)	In progress
8. EACSO - Kenya - Uganda - Updating of tables as of December 31, 1964	Bruce (A)	In progress

9.	Compilation of data on European dollar bonds issued in 1963 and 1964	Ec.D.	In progress
10.	Compilation of table of all foreign bonds, publicly issued in various markets from 1946 - present	Ec.D.	In progress
11.	Colombia - Updating of quarterly status report*	Gus (WH)	In progress
12.	Preparation of historical debt table on 37 countries	Nespoulous-Neuville (Ec.D.)	In progress
13.	Preparation of historical tables to end 1964	WH/E-ME/A-FE/SA	In progress
14.	Preparation of summary table of publicly-issued and privately-placed foreign bonds and equities for the third quarter of 1965	Ec.D.	In progress
15.	Senegal - reconciliation of IBRD debt tables and budget report 1965-66 prepared by Senegal*	Cojet (A)	In progress
16.	Tunisia - comparison of our tables with the tables brought back from Mission*	Dcaux (A)	In progress
17.	Yields, deposit rates, weighted averages of Eurodollar Issues in London*	Ec.D.	In progress
<b>B. <u>GENERAL STATISTICS</u></b>			
18.	Calculations for Guinea Mission	Cojet (G. Mission)	Completed
19.	Collection of copper prices and simple conversions*	Datas-Panero (Ec.D.)	Completed
20.	Distribution of IBRD loans to Mexico in selected West European countries*	Bravo (O.I.)	Completed
21.	Export figures (quantities) for selected commodities	Kundu Ec.D.	Completed
22.	Graphics - administrative expenses and staff growth projections*	Twining (Admin.)	Completed
23.	IBRD and IDA distribution in Canada, 3rd and 4th quarter 1965 by loan number, type loan and supplier	Jones (Treas.)	Completed

24. IDA and IBRD disbursements of Latin American loans in Canada by loan, type equipment and major suppliers, cumulative December 31, 1965	Grenier (O.I.)	Completed
25. Korea - central government expenditures*	Yenal (Ec.D.)	Completed
26. Loan date coding*	Chadenet (P.D.)	Completed
27. Meat prices and import data for Mexican Mission report*	Singh (Ec.D.)	Completed
28. Nigerian Loan - analysis of interest rates and payments*	Villafuerte (Ec.D.)	Completed
29. Regression analysis of per capital income and per capita production in selected countries	Walstedt (Ec.D.)	Completed
30. Time trend of production*	Ali (Ec.D.)	Completed
31. U.S. foreign direct investment - checking and percentage calculations	Driva (Ec.D.)	Completed
32. Calculations for Korea Mission	Gulhati (Ec.D.)	In progress
33. IBRD disbursements in United States, amount and number of suppliers, third quarter 1965	Graves (O.I.)	In progress
34. IBRD distribution in Austria*	Haushofer (E.D.)	In progress
35. Country Accounts Projection - Colombia	Frost (W.H.)	In progress
36. Peru - re-classifying data for loan No. 334 - 1963/64 to date	Sender (P.D.)	In progress
37. Price and income elasticities for cocoa	White/ Maccone (Ec.D.)	In progress
38. Rice study - analysis of factors affecting world demand and supply involving computer programs, charts, research, calculations and analysis of findings	Singh (Ec.D.)	In progress
39. Thailand - import and export by commodity, 1964*	Lenfant and Hamel (P.E.)	In progress

C. PROGRAMMING

40. Matrix inversion (study of French forecasts) (1)*	Van Nimmén (Admin.)	Completed
41. Matrix inversion (study of French forecasts) (2)*	Van Nimmén (Admin.)	Completed
42. Calculation of rates of return (study of economic life of freight cars)*	Thalwitz (P.D.)	Completed
43. Program for tabulations of Iran road study	de Weille (Ec.D.)	Completed
44. IBRD amortization tables program	Statistics Division	In progress
45. Program to edit, convert and balance input to exchange of information	Statistics Division	In progress
46. Program for producing exchange of information tables	Statistics Division	In progress
47. Program to prepare data on IBRD loan disbursements	Chadenet (PD)	In progress
48. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics Division	In progress

GRAPHICS

49. One chart on Level of Foreign Expert Participation at A. Long Range Planning and B. Project Execution	Kirpich (PD)	Completed
50. Two organization charts of Western and Eastern Nigerian Cocoa Project	Nelson (PD)	Completed
51. Nigeria - two charts on movement of capital inflow and outstanding debt in relation to GDP*	Avramovic (N. Mission)	Completed
52. Bangalore Water Supply and Sewerage Project - one flow diagram and one organization chart	Morse (PD)	In progress
53. One chart - IBRD and IFC cable count	Georgian (Admin.)	In progress
54. Nigeria - Outstanding debt and ratio of debt service payments to National Savings	Avramovic (N. Mission)	In progress

- |   |                              |         |
|---|------------------------------|---------|
| 55. Uganda - Five charts on School Enrollment, educational structure and drop out curve, etc.   | Haltin<br>(PD)               | On hand |
| 56. Two organization charts - Indicative Scheme for the Organization of an Emergency effort to expand production from Natural Resources and Ministry of Agriculture | Hanson<br>(G. Mission)       | On hand |
| 57. One organization chart of Nigerian Industrial Development Bank, Ltd.  | Thomas<br>(IFC)              | On hand |
| 58. Pakistan - one chart - educational pyramid - Distribution of Students Enrolled  | Stewart<br>(PD)              | On hand |
| 59. One organization chart on Nigerian Industrial Development Bank, Ltd.  | Thomas<br>(IFC)              | On hand |
| 60. One chart Relationship between Annual Output of Steel and Size of Furnace   | Lall/<br>Walstedt<br>(Ec.D.) | On hand |
| 61. Cameroon - one organization chart on Development Corporation  | Humphrey<br>(PD)             | On hand |
| 62. Administrative Expenses and Number of Staff - 6 chart sketches  | Twining<br>(Admin.)          | On hand |

E. CONTINUING

- 63. Data for charts - data compilation, maintenance and new charts
- 64. Exchange Plan - preparation of latest semi-annual report
- 65. E.D.'s debt tables - preparation of tables as of most recent dates
- 66. Maintenance of supplier vouchers on IBRD disbursements
- 67. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).

cc: Mr. de Vries  
Mr. Kalmanoff

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\* New

*revised*

Mr. Andrew M. Kamarck

January 25, 1966

George Kalmanoff *GK*

Progress report of the International Development Finance Division  
for the week ended January 21, 1966

Badri Rao - completed memorandum on non-convertible national currency subscriptions to IBRD and IDA

Patrick de Fontenay - continued work on cost-sharing study; reviewed "International Monetary Reforms and the Developing Countries" by Dias Carneiro

Vinod Dubey - continued work on the import substitution and protection study

Dina Driva - continued analysis of U.S. foreign direct investments in recent years in terms of net new capital inflows and reinvested earnings

George Kalmanoff - Joint Bank/OECD proposal on loan reporting by creditor countries - work on revision of original proposal

- Joint Bank/Fund experts' meeting on external debt - continued preparatory work

- Linking of development finance to balance of payments position of donors - participated in discussions with Mr. Friedman and other staff members

- Bank representation at meeting of UNCTAD Committee of Invisibles - meetings to review Bank position for Committee's consideration of report on international monetary reform and development finance

- Drafted work and staffing program for International Development Finance Division, fiscal year 1966/67

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

*Copy Admin*

Mr. Andrew M. Kamarek

January 20, 1966

Charles G. Goor

Progress Report of Statistics Division for the week ended  
January 13, 1966.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
<b>A. <u>EXTERNAL DEBT</u></b>		
<b>1. Posting, coding and preparation of debt tables:</b>		
<u>Chile</u> - June 1965	Reitter (WH)	In progress
<u>Colombia</u> - June 1965	WH	In progress
<u>EACSO</u> - June, 1965*	Bruce (A)	In progress
<u>Gabon</u> - June 30, 1965	Paijmans (A)	In progress
<u>Haiti</u> - December 31, 1963, December 31, 1964 and June 30, 1965	Kuczynski (WH)	In progress
<u>India</u> - March, September 1964, March and September 1965	Votaw (SA)	In progress
<u>Italy</u> - June, 1965	Schaad (E-ME)	In progress
<u>Kenya</u> - June 30, 1965*	Bruce (A)	In progress
<u>Mauritania</u> - June 30, 1965	Benjenk (A)	In progress
<u>Mauritius</u> - December 1963 and December 1964*	Africa	In progress
<u>Morocco</u> - June and December 1964	Africa	In progress
<u>Nicaragua</u> - June, 1965	Kuczynski (WH)	In progress
<u>Pakistan</u> - June 1965	SA	In progress
<u>Paraguay</u> - June 1965	WH	In progress
<u>Tanzania</u> - June 30, 1965	Bruce (A)	In progress
<u>UAR</u> - September 30, 1965	Wouters (E-ME)	In progress
<u>Uganda</u> - June 30, 1965*	Bruce (A)	In progress
<b>2. Compilation of data on European dollar bonds issued in 1963 and 1964</b>	Ec.D.	In progress
<b>3. Compilation of table of all foreign bonds, publicly issued in various markets from 1946 - present</b>	Ec.D.	In progress

4. Preparation of historical debt table on 37 countries	Nespoulous-Neuville (Ec.D.)	In progress
5. Preparation of historical tables to end 1964	WH/E-ME/A-FE/SA	In progress
6. Preparation of summary table of publicly-issued and privately-placed foreign bonds and equities for the third quarter of 1965*	Ec.D.	In progress
<b>B. <u>GENERAL STATISTICS</u></b>		
7. <u>Chile</u> - Miscellaneous calculations*	von Oppenfeld (PD)	Completed
8. Disbursements of IBRD Mexico loans in selected countries as of December 31, 1965*	Grenfell (O.I.)	Completed
9. <u>Nigeria</u> - Resource Gap - Projections and Debt Service Ratio - Calculations	Villafuerte (Ec.D.)	Completed
10. Regression analysis of total family expenditures of food with selected classes of food in India*	Willoughby (PD)	Completed
11. <u>Thailand</u> - Imports/Exports of selected commodities and commodity groups, 1952-64	Lenfant (FE)	Completed
12. Annual export of figures of selected commodities - updating	Ec.D.	In progress
13. Calculations for Guinea Mission	Cojet (G. Mission)	In progress
14. Calculations for Korea Mission*	Gulhati (Ec.D.)	In progress
15. Country Accounts Projection	Frost (WH)	In progress
16. Computer programs on relationships between rice prices; relationships of production, area yield of rice; relationships between rice and other grains	Singh (Ec.D.)	In progress
17. EACSO - Kenya - Uganda - updating of tables as of December 31, 1964	Bruce (A)	In progress
18. Export figures (Quantities) for selected commodities	Kundu (Ec.D.) Graves (O.I.)	In progress
19. IBRD & IDA disbursements in Canada, third quarter 1965 by Loan No., Type Loan and Supplier		In progress

20. IBRD disbursements in United States, amount and number of suppliers, third quarter 1965	Graves (O.I.)	In progress
21. IDA and IBRD disbursements of Latin American loans in Canada, by loan, type equipment and major suppliers, cumulative December 31, 1965*	Grenier (O.I.)	In progress
22. Peru - re-classifying data for Loan No. 334 - 1963/64 to date*	Sander (PD)	In progress
23. Price and income elasticities for cocoa	White/ Maccone (Ec.D.)	In progress
24. Regression Analysis of per capita income and per capita production in selected countries*	Walstedt (Ec.D.)	In progress
25. Revision of charts and tables on commodity trends	Ec.D.	In progress
26. Various charts and calculations for rice study	Singh (Ec.D.)	In progress

C. PROGRAMMING

27. Program to project eximbank medium-term guarantees	Ec.D.	Completed
28. Program to generate data for Indus Basin model	Sims (PD)	Completed
29. IBRD amortization tables program	Statistics Division	In progress
30. Program to edit, convert and balance input to exchange of information	Statistics Division	In progress
31. Program for producing exchange of information tables	Statistics Division	In progress
32. Program to prepare data on IBRD loan disbursements	Chadenet (PD)	In progress
33. Program for tabulations of Iran road study	de Weille (Ec.D.)	In progress
34. Planning a new system for coding, punching, assembling, editing, adjusting, updating, external debt data in the form of a data bank and the required retrieval and processing procedures	Statistics Division	In progress

D. GRAPHICS

35. <u>Ceylon</u> - one organization chart	Schaefer (PD)	Completed
36. <u>Zambia</u> - one organization chart	Soges (PD)	Completed
37. One organization chart of the Live-stock Development Project lined*	Schaefer-Kehnert (PD)	Completed
38. Twelve charts on ratios of debt service payments to National Saving and Net Exports and Movement of Capital Inflow and Outstanding Debt in relation to GDP	Avramovic (N. Mission)	Completed
39. Bangalore Water Supply and Sewerage Project - one flow diagram and one organization chart	Morse (PD)	In progress
40. One chart on Level of Foreign Expert Participation at A. Long Range Planning and B. Project Execution*	Kirpich (PD)	In progress
41. <u>Uganda</u> - Five charts on School Enrollment, educational Structure and Drop Out Curve, etc. *	Hultin (PD)	On hand
42. One organization chart on Indicative Scheme for the Organization of an Emergency effort to expand production from Natural Resources*	Hanson (G. Mission)	On hand
43. One organization chart of Nigerian Industrial Development Bank, Ltd.*	Thomas (IFC)	On hand
44. Two organization charts of Western and Eastern Nigerian Cocoa Project*	Nelson (PD)	On hand

E. CONTINUING

45. Data for charts - data compilation, maintenance and new charts.

46. Exchange Plan - preparation of latest semi-annual report.

47. E.D.'s debt tables - preparation of tables as of most recent dates.

48. Maintenance of supplier vouchers on IBRD disbursements.

49. Maintenance of existing program (such as revisions, updating, debugging and assistance in interpretation).

cc: Mr. de Vries  
Mr. Kalmanoff

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\* New

Mr. Andrew M. Kamarck

January 17, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for the week ended January 14, 1966

Badri Rao - continued work on suppliers' credits study; completed memo on loan assistance to Latin America and Asia in recent years (for Mr. Mirza); and started check on the status of non-convertible national currency subscriptions to IBRD and IDA

Patrick de Fontenay - translation into French of the study on supplementary financial measures

Vinod Dubey - continued work on conceptual aspects of import substitution; serviced seminars on the use of econometric models in Bank work, and on trade policies and development in Turkey and Colombia; wrote note on National Industrial Conference Board publication on international costs and competition.

Dina Driva - analysis of U.S. foreign direct investments in recent years in terms of net new capital outflows and reinvested earnings; revision of a paper on trends in U.S. foreign direct investments, 1960-1964

George Kalmanoff - attended orientation lectures during the week

- Coffee diversification fund - meetings and discussions, along with other Bank staff, with Mr. Santos, Executive Director of the International Coffee Organization; drafted for Mr. Santos proposed guidelines for the administration of such a fund

- Trade balances of developing areas - drafted memo in reply to questions raised by Messrs. Demuth and Hoffman concerning report by GATT on trade in 1964

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarck

January 10, 1966

George Kalmanoff *G.K.*

Progress report of the International Development Finance Division  
for the week ended January 7, 1966

Badri Rao - continued work on suppliers' credits study; and completed note to files on U.S. program of restraints on outflow of private long term capital

Patrick de Fontenay - continued work on Bank/IDA cost-sharing study; re-drafted previous memos on the Bank's interest in international monetary reform; and drafted memo on trade balances of the developing countries

Vinod Dubey - continued work on import substitution and protection study

Dina Driva - on annual leave

George Kalmanoff - Joint IBRD/IMF experts' meeting on foreign debt statistics - continued preparations

- U.S. food aid policy - participated in discussion, along with other Bank staff, with U.S. Assistant Secretary of Agriculture and other staff of the Agriculture Department

- Reviewed memo on investigation of methods of estimating debt service ratios in country economic reports

- International monetary reform - participated in discussions concerning proposal by U.S. Congressmen that Bank take the initiative regarding the linking of new international reserves with additional development finance

- Joint Bank/OECD proposal for reporting on international lending - participated in meeting with members of the U.S. Treasury Department

- Coffee diversification fund - meeting and discussion, along with other Bank staff, with Mr. Santos, Executive Director of the International Coffee Organization; memo on principal ideas that emerged from the discussion

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Benjamin B. King

January 4, 1966

George Kalmanoff *G.K.*

Work of International Development Finance Division

Please note that the name of the Division has been changed, in agreement with Mr. Kamarck, from the International Economic Policy, Debt and Capital Flows Division to that indicated above. The focus of the work, as suggested, is thus on the supply of finance to the developing countries from external sources and related problems. The activities of the Division are in the following fields:

1) International capital flows, public and private - analysis of general trends and factors affecting the flows and specific operating problems, e.g. IBRD/IDA lending in relation to total capital flows; IBRD/IDA expenditures in developing countries; general nature of U.S. aid; U.S. food aid policy; capital flows from donors and the 1%-of-national income commitment; possible IBRD administration of a proposed international coffee diversification fund; trends in U.S. private foreign direct investments; international suppliers' credits.

2) External debt of developing countries - analysis of levels and impact; systems for collection of improved data, e.g. joint proposal with OECD for reporting by creditors, joint arrangements with IMF for meeting of experts.

3) Exchange earnings of developing countries on current account - analysis of trends in total trade and invisibles such as tourism.

4) Matters relating to UNCTAD - central responsibility in Economics Department on such matters, e.g., in cooperation with other Bank staff, preparation of Bank positions on UNCTAD issues, and representation at UNCTAD meetings.

GK:amc

Mr. Andrew M. Kamarck

January 3, 1966

George Kalmanoff *G.K.*

Progress report of the International Economic Policy, Debt and  
Capital Flows Group for the week ended December 30, 1965

Badri Rao - continued work on suppliers' credits study

Patrick de Fontenay - continued work on Bank/IDA cost-sharing study;  
and started brief analysis of balance of trade of develop-  
ing countries

Vinod Dubey - continued, on leave from the group, on import substitution  
and protection study

Dina Driva - on annual leave

George Kalmanoff - Joint IBRD/IMF experts' meeting on foreign debt  
statistics - completed prospectus

- Revised memo giving Background Information on  
IBRD/IDA Lending in relation to Preference for Domestic  
Suppliers

- Reviewed draft on Principal Trends in U.S. Foreign  
Direct Investments from 1960 to 1964

- U.S. Food Aid Policy - preparations for meeting with  
officials of U.S. Department of Agriculture

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva

Mr. Andrew M. Kamarck

December 27, 1965

George Kalmanoff *G.K.*

Progress report of the International Economic Policy, Debt and Capital Flows Group for the week ended December 23, 1965

Badri Rao - continued work on suppliers' credits study, consisting specifically of analysis of data reported by export credit institutions.

Patrick de Fontenay - continued work on Bank/IDA cost-sharing study; and reviewed with Professor Tamagna recent developments in the international monetary field.

Vinod Dubey - continued work, on detail from the group, on the import substitution and protection study.

Dina Driva - on annual leave.

George Kalmanoff - Joint IBRD/IMF experts' meeting on foreign debt statistics - continued work on a draft of the prospectus for the meeting; and consulted with John Smith, Chief, Balance of Payments Division, IMF, concerning plans for the meeting.

Tourism - consulted with Mr. van der Mel of the European Department concerning plan to invite Mr. Sidney Fairmont of the UNCTAD Secretariat to work on the Bank's economic mission to Spain in March - April 1966 as a specialist on tourism, and to obtain from him the details of UNCTAD work program on tourism as approved at the recent meeting of its Committee on Invisibles.

UNCTAD - reviewed summary of Dr. Prebisch's statement to the UN General Assembly on December 2, 1965; and corresponded with Mr. David Pollock of the UNCTAD Secretariat concerning its need for a consultant to work on certain aspects of its study of primary commodities policy.

Activities outside of the group - completed progress report of Working Party on proposed coffee diversification fund; and reviewed report on Current Status and Future of US Agricultural Commodity Aid.

GK:amc

cc: Messrs. de Vries, King, Rao, de Fontenay, Dubey  
Miss Driva