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ORGANIZATION - ECON. DEPT. PROGRESS REPORTS July 67-4/68 III



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Organization - Economic Department - Progress Reports - Volume 3

THIS FILE IS CLOSED PLEASE SEE FOLLOWING VOL.

Mr. Andrew M. Kamarok

April 23, 1968

E.K. Hawkins *ekh*

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending April 16, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Malaysia project (3 days) Small models project (4 days)	General supervision. (3 days) Annual leave (2 days)
A. Kisaas	- Further work on Peru model. (8 days)	General supervision (2 days) Spanish class (2 days)
R.J. Niebuhr	- Major revision of Malaysian model (8 days)	Spanish class (2 days)
H.G. Carter	- Small models project (2 days) Jamaica structural model (2 days) Consistency Program, "Development Problems 5-year Outlook" (2 days)	Annual leave (3 days) Preliminary investigation of possible new project on Ghana (3 days)
K. Krishnamurty	- Engaged in Bank-Fund Commodity Study (12 days)	
G. Zaidan	- Further work on population problems in Colombia (10 days)	Visit to the U.N. (2 days)

Research Assistants

Dawn Elvis	- Assistance to Mr. Hawkins: Program budgetting (5 days) Assistance to Mr. Niebuhr: Malaysia rubber study (7 days)	
W.L. van der Valk	- Assistance to Mr. de Vries: Consistency Program, "Development Problems 5-year Outlook" (3 days) Assistance to Mr. Carter: Jamaica structural model (4 days) Consistency Program, "Development Problems 5-year Outlook" (5 days)	

Mr. Andrew M. Kamarck

- 2-

April 23, 1968

Research Assistants

M.A. Shahi - Seconded from elsewhere in the Department to work with Messrs. Krishnamurty and Goreux of the Bank/Fund Commodity Study.

EKHawkins/w

cc: Messrs. Stevenson, de Vries, Bhatia, Niebuhr, Carter, Krishnamurty and Zaidan

Mr. George Kalmanoff

April 22, 1968

A. J. Maccone

Highlights of activities in Export Projections and Trade Division for the two-week period ending April 12, 1968

Miss Lovasy:

General: Completed draft case study on sugar for commodity stabilization study.

Mrs. Ryshpan:

Copper: (a) Revised memorandum on outlook for prices for IFU in connection with proposed copper project on Mauritania. (b) Discussed with Mr. Goreux his paper on metals for commodity stabilization study.

Manganese: Reviewed manganese export data for commodity stabilization study.

Mr. Els:

Fats and Oils: Discussed price prospects for coconut and palm oil with Asia and Project Departments.

General: (a) Wrote back-to-office report on India and Ceylon mission. (b) Wrote draft note on world food problem for Mr. McNamara.

Mr. Geer:

General: Familiarization with work of division.

Mr. Huang:

Fertilizers: Continued work on paper on recent trends in world supply, demand and trade.

Bauxite: Reviewed and commented on IFU draft report on Boke bauxite project.

Aluminum: Continued revising draft study on pattern and trends of world industry.

General: Attended seminar on modern quantitative techniques.

Mr. Singh:

Coffee: (a) Participated in discussions between Africa and Project Departments and Mr. Vandersteen of the ICO on possible Bank financing of coffee rehabilitation projects in Burundi and Rwanda. (b) Discussed Central African Republic's export quotas and price prospects with Mr. Eyl of the IMF. (c) Discussed with Mr. Kinyaiya of Tanzania export prospects, price movements and quality considerations with regard to exports of green coffee from Tanzania. (d) Continued work on paper "International Coffee Agreement 1968, History and Review".

Bananas and Citrus: Discussed recent developments in world supply and demand with Mr. Mulherin of FAO and Mr. Hedlund of USDA.

Annual Report: Commenced work on the trade section of the Bank's annual report.

Mr. Varon:

Jute: (a) Completed back-to-office report on mission to India. (b) Began working on main report on Indian industry. (c) Discussed U.S. consumption with Mr. Nelson, of the U.S. Department of Commerce.

Man-made Fibers: Wrote memorandum and supplied information to IFC on rayon project in Iran.

Cotton: Drafted a note on our price projections for Mr. Sapir in Ethiopia.

General: Performed miscellaneous work for commodity stabilization study.

Mr. Macone:

Metals: (a) Discussed price formation in non-ferrous metals in connection with commodity stabilization study. (b) Prepared memorandum on gold for Mr. Valencia, Alternate Executive Director.

General: (a) Updated major studies status report. (b) Attended meeting on preparation of program activity reports. (c) Wrote memorandum on upcoming Rubber Study Group meetings. (d) Prepared memorandum on world food problem for Mr. Nohamara. (e) Participated in discussion of problems in world fruit economy with representatives of FAO and USDA. (f) General supervision of work in progress in the division.

Research Assistants:

Mrs. Feil: (a) Compiled data on Iran's fiber production and trade for Mr. Varon. (b) Worked on coffee data for Mr. Singh. (c) Continued work on Mr. Singh's study "Export prospects of developing countries".

Miss Ryan: (a) Compiled data on recent developments in commodity prices and world and LDC trade for Mr. Singh. (b) Prepared table on production, exports and rates of growth for individual fats and oils for the period 1954-56 to 1964-66 for Mr. Els.

Mr. Hunter: (a) Collected data on fertilizer production, consumption, trade and prices for Mr. Huang. (b) Assisted Mr. Huang in revision of draft study on pattern and trends of world aluminum industry.

Mr. Marsili: (a) Compiled basic tables on production, consumption, imports and exports of sugar by economic regions from 1951 to 1966 and researched data on world stocks for Miss Lovasy. (b) Prepared tables on coffee and searched for data on soluble coffee exports for Mr. Singh. (c) Assisted Mr. Els on cereals projections data for memorandum on multi-lateral food aid. (d) Continued revision of tables on final version of Working Paper No. 1 on commodity stabilization "Contribution of primary commodities to export earnings of LDC's".

AJMacone:icj

cc: Mr. Kamarek
Mr. Stevenson

Mr. George Kalmanoff

April 22, 1968

John Hulley *JH*

Progress Report - April 1-15

Major Studies

J. Hulley:

P. de Fontenay:

V. Dubey: Import Substitution:
Conceptual and Methodo-
logical study. (4 $\frac{1}{4}$ days)

S. Kao:

W. Meane: Sick leave.

B. Rao:

D.J. Wood:

Mrs. K.J. Hong:

Other Activities

- a) External Debt Review Committee;
- b) Administration. (11 days)

- a) Back-to-office report and related activities. (6 days)

- a) Memo for Mr. Friedman on the 1% aid target;
- b) draft reply to Mr. de la Torre's letter to Mr. Friedman;
- c) IDA replenishment;
- d) 5 year projection for Turkey. (6-3/4 days)

- a) Compilation of Part V (on external aid) of the country briefs. (11 days)

- a) Memo dated April 4, to Mr. Friedman, on the Development target (jointly with Mr. Dubey);
- b) memo dated April 8, to Mr. Adler, on LDC current balances (for Annual Report);
- c) discussed with Jusela of IMF conceptual treatment of private investment by the UN;
- d) memo on UN studies relative to a development charter and development strategy (in process);
- e) memo to files on Mr. Sen's visit to IBRD. (11 days)

- a) Work on Mr. King's Committee on IDA Policies. (11 days)

- a) Assisted Mr. Kao on country economic briefs. (11 days)

* Returned from UNCTAD II in New Delhi, April 8.

Cc: Messrs. Kamarck
Stevenson
Bhatia

JH/jb

Mr. J. H. Collier

April 19, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
April 1-15, 1968

IBRD Annual Report

1. Work was continued on the tabulations for the forthcoming IBRD Annual Report. This project is now in its final stages.

World Tables

2. Work was continued on World Table 8, "Balance of Payments and Foreign Exchange Gap."

3. Work was commenced on the filling in of existing gaps in the World Tables.

Country Data Files

4. Work was initiated on the compilation of country data files for India and Turkey.

5. The file for India, when completed, will form the basis for the study in depth of the Indian statistics requested by the Asia Department.

6. The Turkish data file will serve as the basis for the forthcoming study of Turkish national income statistics, to be undertaken at the request of the European Department within the framework of the forthcoming Mission to that country. It is also hoped to distribute advance copies of the file among members of the Mission.

Computerization of Data

7. Work was commenced on designing a coding and retrieval system for the projected Basic Data Computer Bank. It is hoped to have a draft ready before the end of April which will serve as a basis for discussion with the Statistical Services Division.

Miscellaneous

8. Studies were initiated on the structure of the French and Soviet national accounts systems and their reconciliation with the

April 19, 1968

standard UN system of accounts. These studies, when completed, will serve as the basis for improving the GNP estimates for Soviet countries and for the projected studies of certain of the former French African colonial territories.

9. The data checking and information requested by Escott Reid was completed.

10. A number of draft speeches of the Economic Adviser to the President were checked for statistical accuracy.

11. Miscellaneous tabulations were compiled at the request of various economists.

ELavy:eb

cc: Mr. A.M. Kamarck
Mr. A. Stevenson

Comparative Data Division

Man-Hours Worked
April 1-15, 1968

<u>I. Professionals</u>	<u>Total</u>	<u>IBRD Report</u>	<u>World Tables</u>	<u>Computation of Data</u>	<u>Country Files</u>	<u>French National Accounts</u>	<u>Miscellaneous</u>
J. Vial	88	16	8	16	8	24	16
G. Novak	88	--	12	72	--	--	4
J. Eory	<u>88</u>	<u>78</u>	<u>2</u>	<u>4</u>	<u>--</u>	<u>--</u>	<u>4</u>
	<u>264</u>	<u>94</u>	<u>22</u>	<u>92</u>	<u>8</u>	<u>24</u>	<u>24</u>
 <u>II. Research Assistants</u>							
M. Block	80	--	--	--	--	--	80
G. Johnson	72	44	--	--	24	--	4
L. Limarzi	88	48	--	--	40	--	--
J. A. Balt	88	56	32	--	--	--	--
H. Khalil	88	56	32	--	--	--	--
O. M. Anochie	<u>80</u>	<u>48</u>	<u>32</u>	<u>--</u>	<u>--</u>	<u>--</u>	<u>--</u>
	<u>496</u>	<u>252</u>	<u>96</u>	<u>--</u>	<u>64</u>	<u>--</u>	<u>84</u>
Total	760	346	118	92	72	24	108

Mr. Alexander Stevenson

April 19, 1968

Arthur E. Tiemann *lep*

Progress Report - Professional Staff - 1st half April 1968

The professional staff of the Statistical Services Division carried out the activities indicated below during the period April 1-15, 1968:

Tiemann - Jury duty. Worked on developing input-output course for Bank. General supervisory and administrative duties.

Goor - Worked on correspondence with Asian Development Bank and African Development Bank. Continued work on IBERD Flow of Funds Model and related factors (with Mr. Orcutt and Mr. Rovani).

General Statistics:

Kundu - Computer programs for Messrs. Goreux and Dominguez, and discussions of their results. Review of Mr. Oury's paper on Agricultural Production Models. Discussion with Mr. van Wageningen and others on the syllabus of Input-Output Course. General supervision.

Al-Sharbatl - Mathematical analysis: Properties of Beta function and its relation to type I Pearsonian distribution for Mr. Pouliquen. Absent from work for 3 days for daughter operation (tonsillectomy).

Programming:

Angel - Attended Prof. Walter's course on Regression Analyses. Continued work on the Bank cash flow program. Continued work on revising the external debt projection program to produce grant amounts, grant elements and average terms for Annual Report.

Comer - Annual leave.

Krishna - Sick leave. Continued work on Jamaica Trade Data. Revised three versions of IEDAM, worked on 3 stage Least Square program and attended Honeywell Assembler L Language course.

External Debt:

Paulson - Compilation of debt data for Annual Report. General supervision.

April 19, 1968

- Slappey - Completed draft summarizing Mrs. Paulson's decisions on cross-checking debtor/creditor information, preparation of combined tables, and what data supplied by creditors should not be retained. Planned and supervised preparation of summary tables on gross and net lending by IBRD and IDA to Western Hemisphere countries. Research on treatment and reporting of capitalized interest by U.S. Government agencies.
- Hedley - General supervisory duties. Re-drafted and discussed preliminary External Debt instruction on treatment of downpayments. Discussed preparation of Section VI of country briefs with Mr. Bell of Secretary's Office. Arranged for comparison of ERS data with debtor data for 46 countries for annual ERS review. Wrote memoranda on debt reports of Gabon, Malagasy, Thailand, Somalia, and Liberia. Wrote reminder memoranda on 16 countries. Participated in meetings to establish revisions in mechanized files and tables prepared from debtor reports.
- Bullock - Supervised two special jobs for 23 countries: a) collection of data for country briefs and b) comparison of data under ERS and debtor reports. Participated in meetings to establish revisions in mechanized files and tables prepared from debtor submissions. Discussed preliminary draft on treatment of down payments. Sent reminder memoranda requesting current debt submissions from delinquent countries. General supervision.
- Constantinopoulou - Mexico: posting, coding and preparation of historical tables. General supervision.

cc: Mr. Bhatia

/ra

Mr. Andrew M. Kamarck

April 17, 1968

Arthur E. Tiemann *art*

Progress Report of Statistical Services Division
for the period April 1 - 15, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1</u>	<u>7(4)</u>	<u>2</u>	<u>1(1)</u>	<u>-</u>	<u>6(3)</u>	<u>-</u>	<u>17(3)</u>	<u>1</u>	<u>10(6)</u>
Current tables:										
3/31/67	-	3(3)	2	1(1)	-	4(2)	-	2(1)	-	6(6)
7/30/67	-	-	-	-	-	-	-	-	-	-
6/30/67	-	1	-	-	-	1	-	3	1	1
3/22/67	1	-	-	-	-	-	-	-	-	-
12/31/66	-	2	-	-	-	-	-	2	-	-
6/30/66	-	-	-	-	-	-	-	-	-	-
12/31/65	-	-	-	-	-	-	-	-	-	-
Historical tables:										
12/31/67	-	1(1)	-	-	-	1(1)	-	2(1)	-	-
12/31/66	-	-	-	-	-	-	-	8(1)	-	3

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.	Preparation of external debt data for Annual Report	Economics (Adler)	In progress
3.	ERS - analyzing Forms 1, 2 and 3 and preparation of memorandum on reporting, Austria and Germany	Economics	In progress
4.	ERS - preparation of memorandum on general reporting and processing problems for Annual Review	Economics	In progress
5.	ERS - preparation of memorandum on Forms 1, 2 and 3 of Norway, Denmark and Sweden	Economics	In progress
6.	ERS - preliminary checking and coding of Forms 1 of U.S.A.	Economics	In progress
7.	ERS - preliminary checking and coding of Forms 1 of Austria	Economics	Completed

8.	Completion of IBRD and IDA data for country briefs	Economics	Completed
9.	Comparison of ERS and debtor data	Economics	Completed
10.	Brazil - preparation of table showing debt to selected international organizations and the U.S. Government as of 12/31/67	W.H. (Villafuerte)	In progress
11.	Various W. Hemisphere countries - posting information from creditor sources as of 12/31/67	W.H.	In progress
12.	Mexico - examination and revision of debt data	W.H.	In progress
13.	Chile - Revised external public debt tables as of 12/31/66	W.H.	In progress
14.	Colombia - preparation of table showing newly reported amounts contracted as of 12/31/67	W.H. (Teigeiro)	In progress
15.	Colombia - reconciliation of projections prepared in Bogota and Table 2	W.H. (Teigeiro)	In progress
16.	Mexico - posting information from creditor sources as of December 31, 1967	W.H.	Completed
17.	Colombia - preparation of amortization schedules for proposed IBRD loans	W.H. (Gabriel)	Completed
18.	Brazil - checking external public debt data as of 6/30/67	W.H.	In progress
19.	Colombia - amortization schedule for proposed IBRD loan	W.H. (Gabriel)	Completed
20.	Nicaragua - reconciliation of debt table as of 6/30/67 and table from Nicaragua-	W.H. (Ballesteros)	Completed
21.	Central African Republic - examination of debt data	Africa (Booz)	In progress
22.	Liberia - preparation of memorandum on external debt submission as of 6/30/67	Africa	Completed
23.	Ethiopia - checking "Ethiopian Govt. External Debt Statistics" against IBRD debt tables as of 6/30/67	Africa (Khandker)	Completed
24.	Malagasy - preparation of memorandum on debt submission as of 12/31/67	Africa	Completed
25.	Austria - preparation of memorandum on debt submission as of 6/30/67	Europe	In progress

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26. Greece - preparation of memorandum on debt submission as of 6/30/67	Europe	In progress
27. Yugoslavia - preparation of memorandum on debt submission as of 12/31/67	Europe	In progress
28. Finland - preparation of memorandum on debt submission as of 6/30/67	Europe	Completed
29. Morocco - preparation of memorandum on debt submission as of 6/30/67	M.E. & N.A.	In progress
30. U.A.R. - preparation of table showing debt to the U.S. Govt. as of 12/31/67	M.E. & N.A.	In progress
31. India - checking recently submitted data	Asia	In progress
32. Ceylon - examination of debt data	Asia	Completed
33. Thailand - preparation of memorandum on debt submission as of 12/31/67	Asia	Completed

B. GENERAL STATISTICS

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2.	Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
3.	Moderately complicated regression analysis and data collection (Price Stabilization Study): 1) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66 2) exports of principal primary commodities for 20 countries from 1953-65	Ec. (Krishnamurty) Off. Pres. (Avramovic) Ec. (Goreux)	In progress In progress
4.	Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Ec. (Goor) Proj. (Chadenet)	In progress
5.	Highly complicated mathematical analysis: Properties of Beta function and its relation of type I Pearsonian distribution	Ec. (Pouliquen)	In progress
6.	Simple regression analysis: Peru Saving Study - various interrelationships	Ec. (Elsaas)	In progress
7.	Simple regression analysis: Coffee import and export trend	Ec. (Reutlinger)	In progress
8.	Complicated compilation of data: Price series for five year economic development program by country	Ec. (Maccone)	In progress
9.	Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In abeyance
10.	Simple regression analysis: Pakistan - Consumer expenditure on various commodities related to rural and urban incomes	Ec. (Anselle)	Completed
11.	Coding of data from a large sample survey: Kenya Educational and Labor Force Planning study	Ec. (Thias)	Completed

- | | | |
|---|--|---|
| 12. Simple regression analysis calculations:
Protection of capital goods production in the
developing countries - calculations of standard
deviation, rank correlation and simple corre-
lation | Ec. (de Vries) | Completed |
| 13. Complicated tabulations: IBRD and IDA
commitments, fiscal year 1964-1967 and
July-December 1967 | Ec. (Kamarck) | Completed |
| 14. Moderately complicated tabulations: Central
African Republic - updating trade statistics | Africa (Booz) | In progress |
| 15. Moderately complicated data collection:
Madagascar import-export | Africa (Wilkinson) | Completed |
| 16. Highly technical statistical analysis:
Optimum cost model of an education project | Proj. (Hultin) | In abeyance |
| 17. Rate of return calculations:
1 - East Cameroon - Palm oil project
2 - Somalia - 2 highway projects
3 - Brazil - first highway construction
4 - Togo - Road project: calculations of
cost benefits streams and rates
5 - Tanzania - Farm study | Proj. (Lankester)
Proj. (Parthasavathi)
Proj. (Hughes)

Proj. (Awar)
Proj. (Schumacker) | Completed
Completed
Completed

Completed
In progress |
| 18. Simple tabulations and calculations: Brazil
Mission - various data | W.H. (Husain) | In progress |
| 19. Moderately complicated data collection and
tabulations: Jamaica - employment and
earnings of workers 1957-1964 | W.H. (C. Singh) | Completed |
| 20. Simple regression analysis: Imports related
to income, population and area for various
countries - 1953, 1958, 1963 and 1913 | EDI (Dominguez) | In progress |
| 21. Complicated tabulations: IBRD and IDA disbur-
sements in Canada, cumulative to Dec. 31, 1967
amount by supplier and type of goods | Info. (Sankaran) | Completed |
| 22. Routine checking: Portugal report | Europe (Wahl) | In progress |
| 23. Moderately complicated data collection and
calculations: Taiwan Mission report | Asia (Yang) | In progress |

C. PROGRAMMING

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
2.	Livestock Development Program - special case of fattening	Proj. (Hussein)	In progress
3.	Simple computer program to generate streams of benefits by Monte Carlo methods and to obtain the corresponding rates of return	Proj. (Vigie)	In progress
4.	Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In abeyance
5.	Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
6.	Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
7.	Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
8.	Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
9.	Moderately complex computer program to produce cash flow tables of World Bank operations	Ec. (Goor)	In progress
10.	Revision to external debt projection program to produce grant amounts, grant elements and average terms of debts for annual report	Ec. (Adler)	In progress
11.	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. (Stat.Serv.)	In abeyance
12.	Debt model	Ec. (de Vries)	Completed
13.	Price stabilization study - program for coffee stock model	Off.Pres. (Sundrum)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Guatemala - 4 Education charts	Proj. (Adamson/ Kulski)	In progress
2. Colombia - 2 charts revised	Proj. (Hultin/ Eklund)	On hand
3. Somalia - organization chart	Proj. (Reid)	On hand
4. Mexico - 9 charts on Demand and Capacity	Proj. (Sheehan)	On hand
5. Togo - organization chart	Proj. (Ludwig)	On hand
6. Chile - organization chart	Proj. (Alexander)	On hand
7. One chart revised - analysis of Project Dept. operations	Proj. (Johnson/ Chadenet)	On hand
8. West Pakistan - organization chart	Proj. (Mahoney)	On hand
9. Costa Rica - 2 schedules inked	Proj. (Hansen)	Completed
10. El Salvador - 2 Education charts	Proj. (Lethem)	Completed
11. Analysis of the operations of the Project Dept. 7 charts up dated and revised	Proj. (Johnson/ Chadenet)	Completed
12. Tanzania - revised organization chart	Proj. (Schumacker)	Completed
13. Mexico - two organization charts	Proj. (Knobel)	Completed
14. El Salvador - 4 Education charts	Proj. (Hultin)	Completed
15. Congo - one diagram	Proj. (Kesson)	Completed
16. Two charts on Nuclear Plants	Proj. (Willoughby)	Completed
17. Addition to chart on production and consumption of aluminum	Ec. (Hunter)	On hand
18. Growth of new stock as a function of growth of old stock and tax rate - 5 charts	Ec. (Shouris)	Completed
19. Booklet of charts for Mr. McNamara - 2 charts revised	Ec. (Kamarck/ Kalmanoff)	Completed

April 17, 1968

20. Interest rates, 8 charts updated	Ec. (Paulson)	Completed
21. Pakistan - Alternative Debt Service Projections chart	Asia (Hablutzel)	Completed
22. IBRD Staff Retirement Plan - 3 charts	Treas. (Mazzitti)	Completed
23. 49 diagrams for publication	Ec. (Latimer)	In progress

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation for data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans,
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of Commodity Prices.
3. Maintenance of U.S. and Foreign Commodity Price Index.
4. 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).

cc: Mr. Stevenson

/ra

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

Page 1

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST AND NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	Completed
Iraq	12/31/67 (new)	-	-	In progress
Israel	12/31/66	-	-	In progress
Morocco	12/31/66; 6/30/67;	-	-	In progress
Morocco	12/31/67 (new)	-	-	In progress
Sudan	12/31/67 (new)	12/31/67 (new)	-	In progress
<u>AFRICA</u>				
Congo-Kinshasa	6/30/67	-	-	In abeyance
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Kenya	12/31/67	-	-	Completed
Nigeria	6/30/67	-	-	In abeyance
Rwanda	12/31/67 (new)	-	-	In progress
Somalia	12/31/67	-	-	Completed
<u>ASIA</u>				
China	12/31/67	-	-	In progress
Malaysia	12/31/67 (new)	12/31/67 (new)	-	In progress
Pakistan	6/30/67; 12/31/67	-	-	In progress
Thailand	12/31/67 (new)	-	-	In progress
<u>EUROPE</u>				
Austria	-	12/31/66	-	In progress
France	-	12/31/66	-	In progress
Greece	12/31/66; 6/30/67	12/31/66	-	In progress
Iceland	12/31/67	12/31/67 (new)	-	In progress
Italy	-	12/31/66	-	In progress
Malta	-	12/31/67	-	In progress
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66; 6/30/67	-	-	In abeyance
United Kingdom	-	12/31/66 (new)	-	In progress
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Page 2

Country	Projection and date	Historical and date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	6/30/67	-	-	Completed
Chile	-	12/31/66	-	In progress
Colombia	12/31/67 (new)	-	-	In progress
Guatemala	12/31/67 (new)	-	-	In progress
Haiti	12/31/67	-	-	In abeyance
Mexico	12/31/67 (new)	12/31/66	Ross	In progress
Paraguay	12/31/67 (new)	-	-	In progress
Peru	12/31/67 (new)	-	-	In progress
Uruguay	6/30/67	-	-	In progress
Venezuela	12/31/67 (new)	-	-	In progress

Statistical Services Division
Economics Department
April 17, 1968

Mr. H. G. van der Tak

April 17, 1968

Jochen Schmedtje

Activities of Investment Planning Division, April 1-15

- Carney (Consultant) : Continued analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (part time).
- de Wille : Worked on transport chapter of Argentina mission report (2 days) and study of optimum depth of ports (1 day). Miscellaneous (1 day). Sick leave (7 days).
- Husain (YP) : Worked on revision of draft paper on risk analysis of a livestock project (full time).
- Lall : Reviewed and commented on revised draft appraisal report on a sewerage project in Singapore and prepared note on discussion with the principal author of the report (3 days). Edited paper on urban water demand (7 days). Sick leave (1 day).
- Meros : Continued work on linear programming model for an irrigation project in El Salvador (9 days). French lessons (1 day). Sick leave (1 day).
- Oury : Worked on study of measurement and projection of domestic demand for food products in developing countries (5 days). Continued work on invited paper for East-West Seminar on Economic Models and Quantitative Methods for Decisions and Planning in Agriculture (3½ days). Miscellaneous (1½ days). Spanish lessons (1 day).
- Pouliquen (YP) : Returned from project appraisal mission to Zambia and Tanzania on April 15. Miscellaneous (1 day).
- Reutlinger : Returned from project appraisal mission to Burundi on April 4 (1 day). Worked on his contribution to the appraisal report regarding an agricultural project in Burundi (5 days) and on revision of draft paper on treatment of uncertainty in project analysis (2 days). Miscellaneous (3 days).
- Schmedtje : General supervision.
- Thias : Continued analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (full time).
- Abudabbeh (RA) : Continued assisting Mr. Thias in the analysis of data for Kenya case study in educational planning (full time).

....

Mr. H. G. van der Tak

--2--

April 17, 1968

Kim (RA) : Attended Course on Modern Quantitative Techniques (3 days).
Continued research regarding data on road maintenance for Mr.
de Weille (7 days). Checked computations on urban water demand
for Mr. Meroz (1 day).

cc: Mr. Kamarck
Mr. Stevenson

JSchmedtjes

Mr. A. Stevenson through H.G. van der Tak

April 16, 1968

M.A. Sreedhar

Principal Activities of the Industrialization Division: April 1-15

Sreedhar: General supervision.

Cilingiroglu: Returned from U.A.R. Mission April 12.

Datas:

1. Completed work on the Philippines Mission report. (8 days)
2. Worked on "The Demand for Steel". (1 day)
3. Reviewed industry data of Argentina and Mexico for the "Five-Year Bank Projection". (1 day)
4. Miscellaneous duties. (1 day)

Nowicki:

1. Returned from Colombia Mission April 8.
2. Worked on Back-to-Office report and preliminary conclusions on Colombian Industry. (3 days)

Schrenk: Worked on Singapore Mission report.

Villola: Yugoslav Mission.

Martinez: (RA) Returned from Colombia Mission April 15.

Snell: (RA) Did research on Middle East Task Force.

Turay: (RA) Worked for Mr. Sreedhar on per capita investment figures in some manufacturing industries.

MAS:ph

cc: Mr. Herman G. van der Tak
Industrialization Division

Mr. J. H. Collier

April 16, 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, April 1-15, 1968

Major Studies

Mr. Churchill - has been undertaking revisions to the draft of the Central American Road User Charges Study (9 days).

Mr. Baier - continued work on Electricity Load Control Study (10 days).

Mr. Abbate (Young Professional) - has been in India undertaking field work for his study of Agricultural Taxation. He returned to Washington on April 11 and has since prepared his back-to-office report (2 days).

Mr. Anaselle (Young Professional) - has been working on his study of Agricultural Taxation in Pakistan (5 days). Has been on annual leave since April 8.

Country Mission Work

Mr. Holsen - has been in Brazil as a member of the economic mission and returned to Washington on April 15.

Mr. Christoffersen - returned from Peru on April 8 and prepared his back-to-office report (3 days). He has subsequently been participating in the preparation of the report of the agricultural credit appraisal mission to Peru (3 days).

Mr. Sciulli - has been preparing his contribution to the report of the economic mission to UAR (11 days).

Mr. Basoah - returned from Malagasy on April 1 and prepared his back-to-office report (3 days). He has subsequently been working on his contribution to the report of the economic mission to Malagasy (8 days).

Mr. Eklund - has been participating in the preparation of the report of the economic mission to Philippines (8 days).

Other Activities

Mr. Churchill - Spanish class (one hour each day).

Mr. Eklund - attended course on Quantitative Techniques (3 days).

Mr. Please - general supervision of Division activities.

Research Assistants

Miss Dacumos - reconciliation of statements on cash position of the Bureau of Treasury and the Budget of the Philippines (2 days); preparation of tables on distribution of consumption expenditure in East Pakistan and West Pakistan (8 days).

Miss Meldau - attended course on Quantitative Techniques (3 days); work connected with Central American Road User Charges Study (8 days).

3Please/lo

cc: Messrs. Kowardt and Stevenson

Mr. Alexander Stevenson

April 9, 1968

Arthur E. Tiemann *AT*

Progress Report - Professional Staff - 2nd half March 1968

The professional staff of the Statistical Services Division carried out the activities indicated below during the period March 16-31, 1968:

Tiemann - General administrative and supervisory duties. Planned short course on input-output and linear programming with van Wageningen. Served on jury duty.

Goor - Worked on correspondence with the Asian Development Bank in re an agreement. He continued work on the IBRD Flow of Funds Model and related factors for Orcutt and Rovani.

General Statistics:

Kundu - General supervisory duties. Set up computer program for Dominguez on relation of imports to income area and population. Discussed Price Stabilization Study with Goreux. Attended Depris seminar on "Growth Constraints".

Al-Sharbaty - Analyzed properties of Beta function and set up analysis of distribution of means for Pouliquen project.

Programming:

Angel - General supervisory duties. Programmed Bank liquidity model for Goor and Orcutt and revised program for projecting weighted average terms, grant amount and grant element for Adler for the annual report. Worked on program for de Vries debt model. Attended Walters course on quantitative analysis.

Rudolphi - Continued probability analysis of Mogadiscio Port Project and debugging of new rate of return subroutines.

Krishna - Worked on program for financial forecasting for DFC's program. Continued work on UN Trade Statistics program and assisted on de Vries debt model.

External Debt:

- Paulson - General supervisory duties for the Section. Planning of processing of ERS and debtor data and determination of content and form of products to be produced in consolidation of data. Planning area debt data for annual report. Correspondence with OECD on ERS.

April 9, 1968

- Slappey - Continued work on system for processing for ERS.
- Hedley - Mission to Paris and West Africa to obtain data on external debt of Niger, Dahomey and Togo. Back-to-office report; memorandum on Tanzania. General supervisory duties.
- Bullock - Attended meetings on annual report requirements and supervised preparation of weighted average terms, amounts outstanding and service payments. Attended meetings on ERS. Drafted and reviewed letters and memoranda on debt reporting problems for Iran, Brazil, Peru, Colombia and Bolivia. General supervisory duties.
- Constantinopoulou - Coded debt cards and prepared historical tables for Mexico. Drafted debt representation letter and annexes for Turkey. Prepared data for calculation of weighted average terms and discounting for annual report. General supervisory duties.

cc: Mr. Bhatia

AETiemann:ra

Mr. George Kalmanoff

April 5, 1968

John Hulley *JH*

Progress Report - March 15-31

J. Hulley:

- (a) IDA replenishment;
- (b) Meetings with Dr. Sen of FAO on Indicative World Plan for Agricultural Development;
- (c) administration and supervision. (10 days)

P. de Fontenay:

On mission.

V. Dubey: (a) Import Substitution: Conceptual and Methodological Study. (4 days)

- (a) Preparation for Editorial Committee meeting;
- (b) Information for speech by Mr. Friedman in Canada;
- (c) IDA replenishment. (6 days)

S. Kao: (a) Multilateral Regional Financing Institutions. (3½ days)

- (a) Memo for Mr. Adler on U.S. share in effective resources of UNDP, IBRD, IDB and Asian Development Bank;
- (b) memo re: technical questions on capital inflow projections. (6½ days)

W. Maane:

Sick leave.

B. Rao:

- (a) Memo to Mr. Adler on U.S. budgetary provision for foreign aid in fiscal 1969;
- (b) assistance to Mr. Rangachar with sources for the U.S. foreign aid study by Mr. de Vries;
- (c) memo to Mr. Adler on LDC trade and changes in reserves in 1960-67;
- (d) discussion with Dr. Sen of FAO on his memo on availability of external aid for the Indicative World Plan;
- (e) memo to Mr. Friedman on LDC gold and foreign exchange reserves in the 1930s. (10 days)

D. J. Wood:

- (a) Work on Mr. King's Committee on IDA Policies. (10 days)

Mrs. K.J. Hong:

- (a) Briefing charts (Mr. Hulley);
- (b) data for Annual Report (Mr. Rao);
- (c) data for operations of international lending organizations (Mr. Kao).

Cc: Messrs. Kamarck
Stevenson
Bhatia

jh/jb

E. Dept PR

Mr. Kalmanoff

April 3, 1968

Rena Zafiriou

Progress Report - For Period Ending March 31

- (1) I continued work on Japanese economic development and completed Part I the pre-1914 period.
- (2) I attended meetings and did preparatory work for forthcoming Finland mission.

RZ
RZ/mr

cc: Kamarck/Stevenson

Mr. S. K. Bhatia

April 2, 1968

Jochen Schmedtje *JS*

Investment Planning Division - Status of Studies, March 31, 1968

Attached is a copy of the above report for your retention.

attachment

cc: Mr. van der Tak

JSchmedtje:es

Investment Planning Division - Status of Studies, March 31, 1968

Page 1

Title of Study	Brief Description of Study	Estimated Total Man Months Required ^{1/}	Author(s)	Starting Date	Division Draft	Department Draft	Final Paper	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<u>PART I - Completed</u>								
1. Present Worth Calculation of Projects: 12 Tables	Calculation of the net present worth of projects of which the benefits grow more or less regularly over time presented in 12 tables.		de Weille Kim	Issued as	Economics Department	Working Paper No. 2,	June 1967.	
2. Program Windex for the Systematic Calculation of a Weather Index to be Used in Agricultural Production Analysis	Outgrowth of a study exploring the possibilities of deriving agricultural production models for developing countries.		Oury	Issued as	Economics Department	Working Paper No. 3,	August 1967.	
3. A Review of 62 Road Project Appraisal Reports, 1960-1966	Analysis of quantitative information contained in the project appraisal reports.		de Weille Angeles	Issued as	Economics Department	Working Paper No. 5,	December 1967.	
4. A Cost-Benefit Approach to Educational Planning in Developing Countries	Review of methods currently used in planning educational expenditure, and integration of the methods into a cost-benefit approach.		Blaug (Consultant)	Issued as	Economics Department	Report No. EC-157,	December 1967.	
5. The Economics of Road User Charges	Development of principles for analysis and policy regarding road user charges.		Walters (Consultant)	Issued as	Economics Department	Report No. EC-158,	January 1968.	
6. The Economic Benefits of Road Transport Projects	Outline of the conceptual framework and discussion of the problems of measurement of the benefits of road transport projects.		van der Tak Ray	Issued as	Economics Department	Report No. EC-160,	March 1968.	

^{1/} For Division draft.

...contd.

Investment Planning Division - Status of Studies, March 31, 1968

Page 2

Title of Study (1)	Brief Description of Study (2)	Estimated Total Man Months Required ^{1/} (3)	Author(s) (4)	Starting Date (5)	Division Draft (6)	Department Draft (7)	Final Paper (8)	Remarks (9)
<u>PART II - In Progress</u>								
1. Optimum Timing of Investments	Discussion of the question of the optimum point in time at which to undertake investments and presentation of practical guidelines in this regard.	4	de Weille	Nov. 66	Dec. 66	May 68		Division draft completed and being revised.
2. Techniques for Project Appraisal under Uncertainty	Presentation of feasible method for evaluating the riskiness of investments. Shows how quantitative evaluations of riskiness might be used in the context of various decision problems.	6	Reutlinger	Oct. 66	Mar. 67	June 67	May 68	Department draft being revised for circulation to Economic Committee.
3. Risk Analysis of a Livestock Project	Describes one technique of evaluating the risks associated with a livestock project.	4	Husain	Jan. 68				Preliminary draft completed.
4. Project Evaluation in Inflationary Conditions	Analysis of financial and allocative problems caused by inflation.	4	Schmedtje Lall	Oct. 67	Feb. 68	Apr. 68		Division draft completed and being reviewed.
5. Public Expenditure Patterns in Developing Countries	Quantitative analysis of government expenditure patterns in relation to GDP per capita for about 40 less-developed countries.	9	(Sharif) Schmedtje	Nov. 65	Apr. 66	Aug. 66	May 68	Being redrafted. Expected to be issued as an Economics Department Working Paper in May 1968.

^{1/} For Division draft.

...contd.

Investment Planning Division - Status of Studies, March 31, 1968

Page 3

Title of Study	Brief Description of Study	Estimated Total Man Months Required ^{1/}	Author(s)	Starting Date	Division Draft	Department Draft	Final Paper	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PART II - In Progress - contd.								
6. Agricultural Production Models for Developing Countries	Exploration of the possibilities of deriving agricultural production models for less-developed countries.	14	Oury	July 66	Dec. 67	Feb. 68		Division draft circulated and to be discussed in April. Study consists of four parts: I - Methodology; II - Evaluation of Past Efforts; III - Time Series Analysis of West Punjab Wheat Production Data: The Case of Lahore District; and IV - Some Factors Influencing Wheat Production in West Punjab.
7. Optimum Berth Occupancy in Ports	Methodological study including collection and analysis of data available.	4	de Weille Ray	June 67		May 68		Preliminary draft completed and being discussed.
8. Optimum Depth in Ports	Methodological study including collection and analysis of data available.	4	de Weille Abe	Oct. 67				Preliminary draft completed.
9. Urban Water Demand	Quantitative analysis of water consumption and income data for some 30 cities in less-developed countries.	8	Meroz	June 66	Feb. 67		Apr. 68	Division draft being edited. Expected to be issued as an Economics Department Working Paper in April 1968.
10. Evaluation of Community Water Supply Projects	Definition and measurement of benefits and costs of water supply projects.	6	Schmedtje	July 67	June 68			

^{1/} For Division draft.

...contd.

Investment Planning Division - Status of Studies, March 31, 1968

Page 4

Title of Study (1)	Brief Description of Study (2)	Estimated Total Man Months Required ^{1/} (3)	Author(s) (4)	Starting Date (5)	Division Draft (6)	Department Draft (7)	Final Paper (8)	Remarks (9)
PART II - In Progress - contd.								
11. Kenya Case Study in Educational Planning	Case study on Kenya to test the feasibility of cost-benefit analysis in educational planning.	10	Thias Carnoy (Consultant) Rado (Consultant)	Oct. 67	July 68			First stage field work completed. Preliminary draft expected in April 1968.
PART III - Planned								
1. Projection of Domestic Demand for Agricultural Products in Developing Countries	Methodological study including collection and analysis of available estimates for specific countries.	4	Oury	Mar. 68				<u>Object:</u> Undertaken in response to suggestion from Agriculture Division of Projects Department. <u>Remarks:</u> Preparatory work started in March 1968.
2. Appraisal of Road Maintenance Projects	Methodological study including collection and analysis of data available.	4	de Welle					<u>Object:</u> Undertaken in response to suggestion from the Transport Division of the Projects Department. <u>Remarks:</u> Preparatory work started in December 1967.
3. Transport System Analysis	Inventory and analysis of existing transport models.	8	de Welle					<u>Object:</u> Such a study appears timely as the use of models in transport planning is rapidly increasing. <u>Remarks:</u> Starting date depending on availability of suitable co-author.
4. Investment Planning in the Tourism Sector	Development of a cost-benefit framework for evaluating investments in the tourism sector.	4						<u>Object:</u> Such a framework is needed as an analytical basis for possible Bank operation. <u>Remarks:</u> Starting date depending on availability of suitable author.

^{1/} For Division draft.

...contd.

Investment Planning Division - Status of Studies, March 31, 1968

Page 5

Title of Study (1)	Brief Description of Study (2)	Estimated Total Man Months Required ^{1/} (3)	Author(s) (4)	Starting Date (5)	Division Draft (6)	Department Draft (7)	Final Paper (8)	Remarks (9)
<u>PART IV - Suspended</u>								
1. The Demand for Power	Revision and updating of Bohr-Sadove paper on same subject prepared in 1957.	5	(Nunez)	Oct. 65				Possible job for consultant being considered.
2. El Salvador Feeder Road End-Use Study	Economic end-use study of IBRD loan 216 ES.	12	de Weille Reutlinger					Preparatory work completed; execution indefinitely postponed.

^{1/} For Division draft.

Left P R

Mr. J. H. Collier

April 2, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
March 16-31, 1968

Country Economic Briefs

1. Work on this project was completed by the deadline set, i.e. March 29, 1968.
2. Altogether, data pages were compiled and typed for 118 developing and developed countries. In respect of roughly one-third of these, comments were received from the Area Departments.

IHRD Annual Report

3. Work was continued on the tabulations for the forthcoming IHRD Annual Report.

World Tables

4. Towards the end of the period, work was recommenced on World Table 8, "Balance of Payments and Foreign Exchange Gap."

Miscellaneous

5. Various data were compiled and checked for the Economic Adviser to the President.
6. A number of charts and diagrams were prepared for presentation to the new Bank President.

ELevy:eb

cc: Mr. A.M. Kassarck
Mr. A. Stevenson

Man-Hours Worked
March 16-31, 1968

<u>I. Professionals</u>	<u>Total</u>	<u>Country Briefs</u>	<u>INRD Report</u>	<u>World Tables</u>	<u>Miscellaneous</u>
J. Vial	85	72	10	---	3
G. Novak	75	75	--	--	--
J. Hory	<u>75</u>	<u>8</u>	<u>22</u>	<u>15</u>	<u>30</u>
	<u>235</u>	<u>155</u>	<u>32</u>	<u>15</u>	<u>33</u>
 <u>II. Research Assistants</u>					
M. Block	75	75	--	--	--
G. Johnson	75	20	55	--	--
L. Limarzi	75	60	15	--	--
J. A. Belt	73	16	57	--	--
H. Khalil	75	15	30	--	30
O. M. Anochie	<u>80</u>	<u>30</u>	<u>42</u>	<u>8</u>	<u>--</u>
	<u>453</u>	<u>216</u>	<u>199</u>	<u>8</u>	<u>30</u>
 Total	 688	 371	 231	 23	 63

Mr. Andrew M. Kamarck

April 1, 1968

Arthur E. Tiemann

Progress Report of Statistical Services Division
for the period March 16 - March 31, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1</u>	<u>3</u>	<u>2(1)</u>	<u>3(1)</u>	<u>2(1)</u>	<u>3(2)</u>	<u>5(1)</u>	<u>14(2)</u>	<u>1</u>	<u>6(1)</u>
Current tables:										
12/31/67	1	-	1	2(1)	1(1)	2(1)	1	1(1)	-	-
9/30/67	-	-	-	-	-	-	-	-	-	-
6/30/67	-	1	-	1	-	1(1)	2	3	-	3(1)
3/22/67	-	-	-	-	-	-	-	-	-	-
12/31/66	-	2	-	-	<u>1/1</u>	-	-	2	-	-
6/30/66	-	-	-	-	-	-	-	-	-	-
12/31/65	-	-	-	-	-	-	-	-	-	-
Historical tables:										
12/31/67	-	-	1(1)	-	-	-	1(1)	1(1)	1	-
12/31/66	-	-	-	-	-	-	1	7	-	3

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.	Preparation of external debt data for Annual Report	Economics	In progress
3.	Expanded reporting system - preparation of memorandum on purpose codes	Economics	Completed
4.	Expanded reporting system - coding SITC purpose codes on Forms 1 of Germany, EEG, Norway and Sweden	Economics	Completed
5.	ERS - Germany - coding Forms 2 as of December 31, 1967	Economics	Completed
6.	Mexico - posting information from creditor sources as of December 31, 1967	W.H.	In progress

- | | | | |
|-----|---|-------------------|-------------|
| 7. | Brazil - preparation of table showing debt to selected international organizations and the U.S. Government as of 12/31/67 | W.H.(Villafuerte) | In progress |
| 8. | Various W. Hemisphere countries - posting information from creditor sources as of 12/31/67 | W.H. | In progress |
| 9. | Colombia - preparation of amortization schedules for proposed IBRD loans | W.H.(Gabriel) | In progress |
| 10. | Mexico - examination and revision of debt data | W.H. | In progress |
| 11. | Chile - Revised external public debt tables as of 12/31/66 | W.H. | In progress |
| 12. | Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967 | W.H. (Ross) | Completed |
| 13. | Nicaragua - preparation of amortization schedule for proposed IBRD loan | W.H. (Masoni) | Completed |
| 14. | Argentina - reconciliation of IBRD and Banco Central projected service payments for 1968 | W.H. (Dosik) | Completed |
| 15. | Colombia - two amortization schedules for proposed IBRD loans | W.H. (Gabriel) | Completed |
| 16. | Liberia - preparation of memorandum on external debt submission as of 6/30/67 | Africa | In progress |
| 17. | Ivory Coast - examination of debt data | Africa | Completed |
| 18. | Central African Republic - reexamination of debt material obtained by IMF Mission | Africa | Completed |
| 19. | Austria - preparation of memorandum on debt submission as of 6/30/67 | Europe | In progress |
| 20. | Finland - preparation of memorandum on debt submission as of 6/30/67 | Europe | In progress |
| 21. | Greece - preparation of memorandum on debt submission as of 6/30/67 | Europe | In progress |
| 22. | Iceland - preparation of memorandum on debt submission as of 6/30/67 | Europe | Completed |
| 23. | Fiji - preparation of memorandum on debt submission as of 12/31/67 | Europe | Completed |

24. Fiji - preparation of amortization schedule	Europe (Gonella)	Completed
25. Yugoslavia - preparation of list of Sino-Soviet Bloc loans	Europe (Simmons)	Completed
26. Morocco - preparation of memorandum on debt submission as of 6/30/67	M.E. & N.A.	In progress
27. Jordan - preparation of memorandum on debt submission as of 12/31/67	M.E. & N.A.	Completed
28. Indonesia - preparation of table showing service payments before rescheduling and the effects of rescheduling of maturities through 1970	Asia (McDiarmid)	Completed
29. Iran - preparation of amortization schedule for proposed IFC loan	IFC (Gupta)	Completed

B. GENERAL STATISTICS

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Simple regression analysis: Pakistan - Consumer expenditure on various commodities related to rural and urban incomes	Ec. (Anselle)	In progress
2.	Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
3.	Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
4.	Moderately complicated regression analysis and data collection (Price Stabilisation Study): 1) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66 2) exports of principal primary commodities for 20 countries from 1953-65	Ec. (Krishnamurty) Off. Pres. (Avramovic) Ec. (Goreux)	In progress In progress
5.	Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Ec. (Goor) Proj. (Chadenet)	In progress
6.	Coding of data from a large sample survey: Kenya Educational and Labor Force Planning study	Ec. (Thias)	In progress
7.	Highly complicated mathematical analysis: Properties of Beta function and its relation of type I Pearsonian distribution	Ec. (Pouliquen)	In progress
8.	Simple regression analysis calculations: Protection of capital goods production in the developing countries - calculations of standard deviation, rank correlation and simple correlation	Ec. (de Vries)	In progress
9.	Simple regression analysis: Petroleum - exports, trends, etc.	Ec. (Huang)	Completed
10.	Simple regression analysis: Peru Saving Study - various interrelationships	Ec. (Elsaas)	Completed
11.	Simple regression analysis: Growth of GNP for selected countries	Ec. (Zaidan)	Completed

April 1, 1968

- | | | |
|--|---|------------------------|
| 12. Moderately complicated regression analysis:
Wheat production in Lahore | Ec. (Oury) | Completed |
| 13. Moderately complicated regression analysis:
Brazil - interrelationships among various
economic indicators, e.g. GNP, production,
money supply, consumption, investments, etc. | Ec. (N. Carter) | In abeyance |
| 14. Moderately complicated tabulations: Central
African Republic - updating trade statistics | Africa (Booz) | In progress |
| 15. Complicated statistical analysis: Port of
Mombasa - arrival and servicing of ships on
seven months during 1964, 1965, 1966 and 1967.
Fitting of Poisson and exponential distributions | Proj. (Pouliquen) | Completed |
| 16. Complicated tabulations: IBRD loans and IDA
credits by purpose and area, December 1967
through February 1968 and July 1967 through
February 1968 | Proj. (Johnson) | Completed |
| 17. Rate of return calculations:
1) Malagasy Ranch Project
2) El Salvador - Olomega Irrigation Project | Proj. (Pfeffermann)
Proj. (Friedgut) | Completed
Completed |
| 18. Moderately complicated statistical analysis:
The distribution of the means from forty random
samples - to test whether they were normally
distributed | Proj. (Pouliquen) | Completed |
| 19. Highly technical statistical analysis: Optimum
cost model of an education project | Proj. (Hultin) | In abeyance |
| 20. Moderately complicated data collection and
tabulations: Jamaica - employment and
earnings of workers 1957-1964 | W.H. (Singh) | In progress |
| 21. Simple regression analysis: Imports related
to income, population and area for various
countries - 1953, 1958 and 1963 | EDI (Dominguez) | Completed |
| 22. Complicated tabulations: IDA, IBRD disburse-
ments in Belgium 1965-67 by loan number,
amount, supplies and goods | Info. (Sankaran) | Completed |

C. PROGRAMMING

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
2.	Livestock Development Program - special case of fattening	Proj. (Hussein)	In progress
3.	Simple computer program to generate streams of benefits by Monte Carlo methods and to obtain the corresponding rates of return	Proj. (Vigie)	In progress
4.	Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In abeyance
5.	Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
6.	Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
7.	Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
8.	Debt model	Ec. (de Vries)	In progress
9.	Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N. Carter, Niebuhr)	In progress
10.	Moderately complex computer program to produce cash flow tables of World Bank operations	Ec. (Goor)	In progress
11.	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. (Stat.Serv.)	In abeyance
12.	Price stabilization study - program for coffee stock model	Off.Pres. (Sundrum)	In progress

D. GRAPHICS

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1.	Ivory Coast - two schedules revised	Proj. (Sorensen)	Completed
2.	Central African Republic - Organization chart	Proj. (Irion)	Completed
3.	Afghanistan - Highway maintenance project - organization chart	Proj. (Reid)	Completed
4.	Mexico - two organization charts	Proj. (Knobel)	On hand
5.	Congo - one diagram	Proj. (Kesson)	On hand
6.	Two charts on Nuclear Plants	Proj. (Willoughby)	On hand
7.	49 diagrams for publication	Ec. (Latimer)	In progress
8.	Six sugar charts	Ec. (Lovasy/ Marsili)	Completed
9.	Pakistan - preparing charts for John Hopkins	Ec. (Winston)	Completed
10.	Booklet of charts for Mr. McNamara - 23 charts	Ec. (Kamarck/ Kalmanoff)	Completed
11.	Interest rates, 8 charts updated	Ec. (Paulson)	On hand
12.	Coffee Project - Akjoujt, Mauritania schedule	IFC (R.King)	Completed
13.	Proposals - Summary and processing time - 7 charts	IFC (Dajany)	Completed
14.	Pakistan - External Public Debt Service Projections chart	Asia (Hablutzel)	Completed
15.-	Pakistan - Alternative Debt Service Projections	Asia (Hablutzel)	On hand
16.	U.N. Organizational Relationships of Significance to IBRD	Devel.Serv.(Demuth)	Completed

April 1, 1968

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation for data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of Commodity Prices.
3. Maintenance of U.S. and Foreign Commodity Price Index.
4. 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).

cc: Mr. Stevenson

/ra

JL nd

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

Page 1

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST AND NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In abeyance
Israel	12/31/66	-	-	In progress
Jordan	12/31/67	-	-	Completed
Morocco	12/31/66; 6/30/67	-	-	In progress
<u>AFRICA</u>				
Congo-Kinshasa	6/30/67	-	-	In abeyance
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Kenya	12/31/67	-	-	In progress
Malagasy	12/31/67	12/31/67 (new)	-	Completed
Nigeria	6/30/67	-	-	In progress
Somalia	12/31/67 (new)	-	-	In progress
<u>ASIA</u>				
China	12/31/67	-	-	In progress
Pakistan	6/30/67; 12/31/67 (new)	-	-	In progress
Pakistan	12/31/66 (rev.)	-	-	Completed
Singapore	12/31/67 (new)	-	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	-	-	Completed
Austria	-	12/31/66	-	In progress
Belgium	-	12/31/66	-	Completed
France	-	12/31/66	-	In progress
Greece	12/31/66; 6/30/67	12/31/66	-	In progress
Iceland	12/31/67 (new)	-	-	In progress
Italy	6/30/67	-	-	Completed
Italy	-	12/31/66	-	In progress
Luxembourg	12/31/67	-	-	Completed
Malta	-	12/31/67 (new)	-	In progress
Netherlands	-	12/31/67 (new)	-	Completed
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66; 6/30/67	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Country	Projection and date	Historical and date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	6/30/67	-	-	In progress
Brazil	6/30/67	-	-	In progress
Chile	-	12/31/66	-	In progress
Haiti	12/31/67	-	-	In abeyance
Mexico	-	12/31/66	Ross	In progress
Panama	-	12/31/67	-	Completed
Uruguay	6/30/67 (new)	-	-	In progress

Statistical Services Division
Economics Department
April 1, 1968

Mr. A. Stevenson

April 4, 1968

M.A. Sreedhar

Principal Activities of the Industrialization Division: March 16-31

- Sreedhar: 1. Mission to Europe. (5 days)
 2. General supervision. (5 days)
- Gilingiroglu: U.A.R. Mission.
- Datas: 1. Worked on Philippines Mission report.
 (4½ days)
 2. Attended Seminars on "Quantitative
 Techniques" at EDI. (5½ days)
- Nowicki: Colombia Mission.
- Schrenk: 1. Returned from Singapore Mission on March 22.
 2. Worked on Singapore Mission report. (4 days)
 3. Annual leave. (1 day)
- Villela: Prepared for Yugoslav Mission and left on
 March 22.
- Martinez: (RA) 1. Worked for Mr. Sreedhar on the information
 system of the Division. (5 days)
 2. Prepared for Colombia Mission and left on
 March 23.
- Snell: (RA) Did research on Middle East Task Force.
- Turay:(RA) 1. Assisted Mr. Schrenk with the Singapore
 Mission report. (4 days)
 2. Continued work for Mr. Sreedhar, collecting
 data on the fertilizer industry. (5 days)
 3. Sick leave. (1 day)

MAS:ph

cc: Mr. Herman G. van der Tak
Industrialization Division

Mr. H. G. van der Tak

April 1, 1968

Jochen Schmedtje *Ju*

Activities of Investment Planning Division, March 16-31

- Abe (YP) : Completed preliminary draft, "The Optimum Depth of a Port" (7 days). Miscellaneous port questions (3 days). Completed his assignment to the Economics Department on March 31.
- Carnoy (Consultant) : Continued analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (part time).
- de Weille : Worked on transport chapter of Argentina mission report (4 days), road maintenance study (1 day) and study of optimum depth of a port (1 day). Reviewed and commented on draft appraisal report regarding a highway maintenance project in Niger and Mr. S. Y. Park's draft paper, "Transportation and its Role in Socio-economic Development" (2 days). Miscellaneous (2 days).
- Husain (YP) : Continued work on risk analysis of a livestock project and completed preliminary draft (full time).
- Lall : Continued work on Study of project evaluation in inflationary conditions and completed Division draft (7 days). Reviewed and commented on draft appraisal report regarding a sewerage project in Singapore (3 days).
- Meros : Continued work on linear programming model for an irrigation project in El Salvador (4½ days). Annual leave (5 days). French lessons (½ day).
- Mury : Worked on study of measurement and projections of domestic demand for agricultural products in developing countries (6 days) and on invited paper for East-West Seminar on Economic Models and Quantitative Methods for Decisions and Planning in Agriculture (2 days). Miscellaneous (1 day). Spanish lessons (1 day).
- Pouliquen (YP) : Continued work on risk analysis regarding a road case (4 days) and on March 22 went on project appraisal mission to Zambia and Tanzania.
- Reutlinger : Away on project appraisal mission to Burundi.
- Schmedtje : Reviewed and commented on draft report of the special committee set up by the Sudanese Government to study the Gezira Mission Report (2 days). General supervision.

- Thias : Continued analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (9 days). Miscellaneous (1 day).
- Abudabbeh (RA) : Assisted Mr. Thias in the analysis of data for Kenya case study in educational planning (8 days). Sick leave (2 days).
- Kim (RA) : Attended course on Modern Quantitative Techniques (3½ days). Collected material on toll roads (3 days) and continued research regarding data on road maintenance (3 days) for Mr. de Wille. Miscellaneous (½ day).

JSchmedtje:lcj

cc: Mr. Kanarck
Mr. Stevenson

Mr. J. H. Collier

April 1, 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, March 18-29, 1968

Major Studies

Mr. Churchill - completed draft of the Central American Road User Charges Study and undertook subsequent revisions of the draft (10 days).

Mr. Abbate (Young Professional) - has been in India undertaking field work in connection with his study of Agricultural Taxation.

Mr. Anasalle (Young Professional) - has been working on his study on Taxation of Agriculture in Pakistan (10 days).

Mr. Baier - continued work on his Load Control Study and reviewed the Central American Road User Charges Study (9 days).

Country Mission Work

Mr. Holsen - has been in Brazil as a member of an economic mission.

Mr. Christoffersen - prepared draft chapter on agricultural credit for the report of the economic mission to Pakistan (3 days), and undertook preliminary work for his membership of an Agricultural Credit Appraisal Mission to Peru (2 days). Departed for Peru on March 25.

Mr. Sciolli - returned from the United Arab Republic on March 26 and has been preparing his back-to-office report (3 days).

Mr. Basoah - has been in Malagasy as a member of the economic mission.

Mr. Eklund - has been participating in the preparation of the report of the economic mission to Philippines (5 days).

Mr. Please - first draft of the Domestic Finance chapter of the report of the economic mission to Philippines submitted on March 25. General supervision of Division activities.

Other Activities

Mr. Churchill - Spanish class (one hour each day).

Mr. Eklund - attended course on Quantitative Techniques (5 days).

Research Assistants

Miss Dacumos - preparation of tables on revenue and expenditure in the Philippines (6 days); preparation of tables on distribution of consumption expenditure in Pakistan (4 days).

Mr. J. H. Collier

- 2 -

April 1, 1968

Miss Maida - work connected with preparation of country briefs (5 days);
attended course on Quantitative Techniques (5 days).

SFlase/lo

cc: Messrs. Kazanck and Stevenson

Mr. Andrew H. Kamarch

April 1, 1968

E.K. Hawkins *EKH*

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending March 29, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Malaysia project (2½ days) Small models project (2½ days)	General supervision. Preparation of memoranda on administration of research. (5 days)
A. Elsas	- Further work on Peru model. (1½ days)	Spanish class (2 days) Course on quantitative techniques (3½ days)
R.J. Niebuhr	- Major revision of Malaysian model (7 days)	Spanish class (2 days) Comments on Mr. Gury's monograph (1 day)
H.G. Carter	- Jamaica structural model (4 days) Small models project (3 days)	Advice on computer (1 day) Preliminary investigation of possible new project on Ghana. (2 days)
K. Krishnamurty	- Engaged in Bank-Fund Commodity Study (5 days)	
G. Zaidan	- Further work on population problems in Colombia (6½ days)	Course on quantitative techniques (3½ days)

Research Assistants

Dawn Elvis - Assistance to Mr. Carter:
Import classification - 2 days

Assistance to Mr. Krishnamurty:
Bank-Fund Commodity Study - 5 days

Assistance to Mr. Niebuhr:
Malaya Rubber Study - 3 days

April 1, 1968

Research Assistants

W.L. van der Valk - Assistance to Mr. Carter:
Jamaica model regressions (1 day)
Jamaica model simulation (2 days)
Jamaica model simultaneous estimation (3 days)

Annual leave (14 days)

Divisional draft entitled, A Macro-Economic Model of Jamaica
by N.G. Carter dated March 29, 1968.

M.A. Shahi - Seconded from elsewhere in the Department to work
with Messrs. Krishnamurty and Goreux of the
Bank/Fund Commodity Study.

EGHawkins/w

cc: Messrs. Stevenson, de Vries, Hatis, Niebur, Carter, Krishnamurty & Zaidan

Mr. Samir K. Bhatia

April 1, 1968

Guy H. Orcutt

G.H.O.

Status of Studies - April, 1968

The following papers might well be listed under Part II of Status of Studies - April, 1968.

1. IBRD CASH FLOW MODEL by Guy H. Orcutt, Yves Rovani and Charles G. Goor. The function of this IBRD cash flow model is to predict cash flow, income statement, and balance sheet variables given past actions, assumed future policy variables, and assumed values of externally determined variables. This model is being developed as a management tool for predicting implications of alternative lending, borrowing, and liquidity management policies of the Bank.

This paper is part of a study being done for Mr. S. Aldewereld. A draft of this paper will be available for criticism by April 12, 1968.

2. RESEARCH AND THE WORLD BANK by Guy H. Orcutt. This paper discusses the role and organization of research in the Bank. A case is made for modifying and considerably strengthening Bank research. This paper is being prepared at the request of Mr. Irving S. Friedman.

A revised draft of this paper will be available for criticism by April 8, 1968.

GHOrcutt:sg

Mr. Samir K. Bhatia

March 28, 1968

Stanley Please

Status of Studies - April 1968

You will see one or two corrections in the draft of the attached document. In addition, you asked for some indication of the customer or potential customer for each study. I am somewhat unclear on this but for what it is worth you might wish to include the following comment under each study.

<u>Title of Study</u>	<u>Remarks</u>
<u>Central American Road User Charges Study</u>	Requested by the Western Hemisphere and Projects Departments from the operational point of view and of interest to all those in the Bank who are concerned with road user charges to the extent that this study represents a case study of the Walters analysis.
<u>Load Control Study in West Pakistan</u>	This study was suggested to the Economics Department by the Public Utilities Division of Projects Department.
<u>Development Finance Problem in Brazil</u>	Potential customer - Western Hemisphere Department.
<u>Financial Market Study in Pakistan</u>	Brief report on agricultural credit completed for inclusion in report of the economic mission to Pakistan. Further work delayed (due to absence of author in Peru) until May 1968. Study is of interest to the Asia Department.
<u>Agricultural Taxation in Pakistan</u>	Division draft of report will be completed by early April. The study is of interest to the Asia Department.
<u>Agricultural Taxation in India</u>	Author at present in India undertaking field work relating to the study. The study is of interest to the Asia Department.
<u>Agricultural Taxation in Tunisia</u>	This study is to be embraced initially by a wider study of the Tunisian tax structure which has been requested by the North Africa and Middle East Department.

March 26, 1968

Mr. George Kalmanoff

John Hulley

Progress Report - March 1968

Other Activities

- | | | |
|------------------------|--|---|
| <u>J. Hulley:</u> | <u>Major Studies:</u> | (a) IDA Replenishment;
(b) briefing charts;
(c) administration and supervision.
(12 days) |
| <u>P. de Pontenay:</u> | | On mission. |
| <u>V. Dubey:</u> | Import Substitution: Conceptual and Methodological Study. (6 days) | (a) Tables on IDA replenishment;
(b) draft reply to letter to Mr. Friedman from Mr. Reuber on cost of tied aid. (4 days) |
| <u>S. Kao:</u> | Multilateral Regional Financing Institutions. (11 days) | |
| <u>W. Maene:</u> | | On sick leave. |
| <u>B. Rao:</u> | | (a) Note on budgeted U.S. foreign economic assistance, for Mr. Adler;
(b) briefing charts.
(c) data for Annual Report. (11 days) |
| <u>D.J. Wood:</u> | | (a) Work on Mr. King's Committee on IDA Policies. (11 days) |
| <u>Mrs. K.J. Hong:</u> | | (a) Briefing charts;
(b) per capita net contributions of IDA Part I countries (in connection with IDA replenishment).

(11 days) |

Cc: Messrs. Kamarek
Stevenson
Bhatia

jh/jb

PH

Mr. Alexander Stevenson

March 22, 1968

Arthur E. Tiemann *AT*

Progress Report - Professional Staff - 1st quarter March 1968

In addition to general supervision of the Statistical Services Division, I went to Paris to attend the meetings of the OECD Ad Hoc Group of Financial Statisticians on capital markets and to hold discussions with OECD on the Expanded Reporting System. On returning, I prepared back-to-office reports. I held discussions with Personnel on non-professional salary structure. I discussed debt data to be furnished Adler for the Annual Report.

Mr. Goor worked on correspondence with the Asian Development Bank in re an agreement. He held discussions with Spottswood of Projects Department on data bank forms and continued work on the IBRD Flow of Funds Model and related factors for Orcutt and Rovani.

External Debt Section

Mrs. Paulson accompanied me to Paris for meetings with OECD. After a short leave she worked on back-to-office reports. She participated in the Annual Report discussions with Adler and briefed her section on data requirements. She also performed general supervisory functions for the section.

Miss Hedley is on mission to Africa.

Mrs. Slappey worked on revision of processing plans for the ERS, including consideration of coding problems associated with grants, loans to national exporters and private credits. She continued work of the Bank cash flow model and drafted instructions for selecting and coding data for weighted averages and discounting for the Annual Report. She also supervised the section during Mrs. Paulson's absence.

Miss Constantinopoulou wrote her back-to-office report for her mission to Mexico and prepared a letter to Mexico outlining the agreements reached there concerning external debt. She worked on the revision of the Mexican debt data in the light of the new information obtained during the mission. She met with Mr. Cheek regarding the settlement of the Greek pre-World War II debt. In addition she performed general supervisory duties.

In addition to general supervision, Miss Bullock set up the job for reconciliation of IBRD and Banco Central projected service payments for 1968 for Argentina for balance of payments purposes. She began an in-depth review of Haiti's debt submissions and reporting problems.

General Statistics Section

In addition to general supervision of the section, Mr. Kundu worked on computer programs for Goreux and supervised data collection for IDA by source of financing for Hulley and reviewed work on properties of beta-function and Type I Pearson distribution for Pouliquen. He attended luncheon meeting of American Statistical Association to hear Mr. A. Okun on "Statistics for Economic Policy".

Mrs. Al-Sharbati attended a two day seminar on the Practical Utilization of Input-Output Analyses and Linear Programming, given by CEIR. She worked on mathematical analyses for Pouliquen, covering properties of the beta-function and its relation to the Type I Pearson distribution. Also she performed general supervisory duties.

Programming Section

Mrs. Angel, in addition to general supervisory duties, continued revision of Livestock model and continued work on the Vries Debt Model. She started programming for Cash Flow of Bank Operations. She attended a meeting with Mr. Adler to discuss the Annual Report.

Mr. Kumsher completed cash flow program for Agricultural projects prior to his transfer to Administration Department on March 11.

Miss Rudolphi completed Sensitivity Analysis of Tanzam Road project. She developed 2 general subroutines:

- 1 - Computes mean and standard deviation of a given array.
- 2 - Given an array and the number of class intervals desired, constructs and prints out a frequency distribution.

She also began curve smoothing of the rate of return results of the Mogadiscio Risk Analysis. Also spent some time on the Calcplot routines which will be used to plot the smoothed data.

Mr. Krishna continued work on price indices and related programs on UN Trade Statistics. He made simple revisions in the Financial Forecasting for Development Finance Companies' program.

cc: Mr. Bhatia

AETiemann:ra

Mr. J. H. Collier

March 21, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period March 1-15, 1968

Country Economic Briefs

1. The data pages were completed for all developing countries and sent to the Area Departments for checking. Checked data pages have been received from the Area Departments for about one-third of the developing countries. These are now in process of editing and typing. For a number of countries, the Area Departments sent in revised basic data and new computations were carried out by the Division.
2. Work on the data pages for developed countries was continued and is now in an advanced stage.
3. The data pages are being sent to the Print Shop on a current basis, as soon as they are completed.

IBRD Annual Report

4. Following a meeting with Mr. Adler on March 12, work was commenced on the tabulations for the forthcoming IBRD Annual Report.
5. The tables prepared for last year's report will be expanded also to include developed countries. In addition, a table will be prepared showing external debt service as a percent of gross national savings.

World Tables

6. Owing to the pressure of other demands, work on World Table 8, "Balance of Payments and Foreign Exchange Gap," slowed down considerably. Intensive work will be resumed as soon as the present urgent demands are met.

Miscellaneous

7. A revised budget for 1968/69 was prepared and submitted to the Front Office.

ELevy:eb

cc: Mr. A.M. Kamarck
Mr. A. Stevenson

Ec Dept
P. R.

Mr. Kalmanoff

March 21, 1968

Rena Zafirou

Progress Report

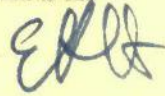
- (1) I continued work on Japanese economic development.
- (2) I did preparatory work for a forthcoming mission to Finland.

R
RZ/mr

Mr. Andrew M. Kamarok

March 20, 1968

E.K. Hawkins



Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending March 15, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Malaysia project (2 days)	General supervision. Attendance at course on model building in economics and industry (New York) (3½ days) Moving offices (½ days)
A. Elsaas	- Further work on Peru model. (½ days)	Spanish class (2 days) Moving offices (½ days)
R.J. Niebur	- Interim report on the Malaysian model completed and forwarded to the Malaysia by the Asia Dept. (3½ days)	Spanish class (2 days) Conversion of non-linear regression program for Bank use. (½ day) Moving offices (½ days)
N.G. Carter	- Jamaica structural model (2½ days)	Advice on computer (½ day) Preliminary investigation of possible new project on Ghana. (2 days) Small models project (1 day) Moving offices (½ days)
K. Krishnamurty	- Engaged in Bank-Fund Commodity Study (5 days)	Sick leave (1 day) Moving offices (½ days)
G. Zaidan	- Analysis of population trends and their implications for Colombia (6 days)	Moving offices (½ days)
<u>Research Assistants</u>		
W.L. van der Valk	-	Annual leave

Research Assistants

Dann Elvis - Assistance to Mr. Carter:
Export Classification - 2 days

Assistance to Mr. Krishnamurty:
Bank-Fund Commodity Study - 3 days

Assistance to Mr. Zaidan:
Colombia Population Study - 1 day

Moving offices - 4 days

M.A. Shakti - Seconded from elsewhere in the Department to work
with Messrs. Krishnamurty and Gereux of the
Bank/Fund Commodity Study.

EKHinkins/w

cc: Messrs. Stevenson, de Vries, Whatia, Niebuhr, Carter, Krishnamurty & Zaidan

Mr. A. Stevenson through Mr. H.G. van der Tak

March 19, 1968

M.A. Sreedhar

Principal Activities of the Industrialization Division: March 1-15

Sreedhar: General supervision.

Cilingiroglu: U.A.R. Mission.

Datas: Worked on the Philippines Mission report.

Nondicki: Prepared for Colombia Mission and left on March 6, 1968.

Schrenk: Singapore Mission.

Villela: At EDI.

Martinez: (RA) Worked for Mr. Sreedhar on the information system of the Division.

May: (RA) Completed work on heavy mechanical equipment trade and production statistics for Mr. Walstedt. (5 days).
Left the service of the Bank on March 8.

Snell: (RA) Did research on Middle East Task Force.

Turgy: (RA) Worked for Mr. Sreedhar on compiling list of consultants engaged in economic and industrial development.

MAS:ph

cc: Mr. Herman G. van der Tak
Industrialization Division

Mr. J. H. Collier

March 19, 1968

Stanley Please *SP*

Report on the Activities of the Domestic Finance Division, March 1 - 15, 1968

Major Studies

Mr. Churchill continued work on the Central American Road User Charges Study (11 days).

Mr. Abbate (Young Professional) - continued his study of agricultural taxation in India (7 days), and departed for India on March 8 to undertake field work for this study.

Mr. Holsen - has been preparing his contribution to the report of the economic mission to Portugal and preliminary work for his membership in an economic mission to Brazil (7 days). Departed for Brazil on March 12.

Messrs. Christoffersen and Amselle (Young Professional) - have been preparing their draft report for the economic mission to Pakistan (11 days).

Mr. Sciolli - has been in Egypt as a member of the economic mission to that country.

Mr. Basoah - has been in Malagasy as a member of the economic mission to that country.

Mr. Beier - has contributed a part of his time to the transport coordination working group, and has resumed work on his Load Control Study (7½ days).

Mr. Eklund - has been participating in the preparation of the report of the economic mission to the Philippines (11 days).

Mr. Please - has been preparing his contribution to the report of the economic mission to the Philippines. General supervision of Division activities.

Other Activities

Mr. Churchill - Spanish class (one hour each day).

Research Assistants

Miss Dacumos - preparation of graphs and tables on expenditures and revenues, including projections, of the Philippine Government (10 days); comparison of old and revised versions of the World Tables (1 day).

Miss Meldau - work connected with the Central American Road User Charges Study (9 days). Working in Secretary's Division in connection with country briefs (2 days).

Mr. Andrew M. Kamarck

March 19, 1968

Arthur E. Tiemann *AT*

Progress Report of Statistical Services Division
for the period March 1 - 16, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1</u>	<u>5(1)</u>	<u>2</u>	<u>3(1)</u>	<u>2(1)</u>	<u>1</u>	-	<u>16(1)</u>	<u>2</u>	<u>6(2)</u>
Current tables:										
12/31/67	1	2(1)	2	2(1)	1	1	-	1(1)	-	-
9/30/67	-	-	-	-	-	-	-	-	-	-
6/30/67	-	1	-	1	1(1)	-	-	5	2	2(1)
3/22/67	-	-	-	-	-	-	-	-	-	-
12/31/66	-	2	-	-	-	-	-	2	-	-
6/30/66	-	-	-	-	-	-	-	-	-	-
12/31/65	-	-	-	-	-	-	-	-	-	-
Historical tables:										
12/31/67	-	-	-	-	-	-	-	-	-	1(1)
12/31/66	-	-	-	-	-	-	-	8	-	3

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.	Preparation of external debt data for Annual Report	Economics	In progress
3.	Various Asian and African countries - preparation of memoranda on external debt reporting	Economics	Completed
4.	Posting Eximbank loans as of 12/31/67 for Asian and African countries	Economics	Completed
5.	Colombia - preparation of two amortization schedules for proposed IHRD loans	W.H.(Gabriel)	Completed
6.	Brazil - preparation of table showing debt to selected international organizations and the U.S. Government as of 12/31/67	W.H.(Villafuerte)	In progress

7.	Various W. Hemisphere countries - posting, information from creditor sources as of 12/31/67	W.H.	In progress
8.	Brazil - checking debt submission	W.H.	Completed
9.	Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967	W.H. (Ross)	In progress
10.	Venezuela - preparation of revised tables 1 and 2 as of June 30, 1967	W.H.	Completed
11.	Argentina - reconciliation of IBRD and Banco Central projected service payments for 1968	W.H. (Dosik)	In progress
12.	Mexico - examination and revision of debt data	W.H.	In progress
13.	Sierra Leone - preparation of amortization schedule for proposed IBRD loan	Africa (Ram)	Completed
14.	Central African Republic - examination of debt material obtained by IMF Mission	Africa	Completed
15.	Austria - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
16.	Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
17.	Finland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
18.	Fiji - preparation of memorandum on debt submission as of 12/31/67	Europe	In progress
19.	Italy - preparation of memorandum on debt submission as of June 30, 1967	Europe	Completed
20.	Greece - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
21.	Spain - checking debt information on external debt	Europe	Completed
22.	Sudan - preparation of amortization schedules of loans contracted between 6/67 and 11/67	M.E. & N.A. (Hilmy)	Completed
23.	Morocco - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	In progress
24.	Jordan - preparation of memorandum on debt submission as of 12/31/67	M.E. & N.A.	In progress

- | | | |
|---|------------------|-----------|
| 25. Indonesia - preparation of memorandum on debt submission as of June 30, 1967 | Asia | Completed |
| 26. Philippines - preparation of revised debt tables as of June 30, 1967 | Asia (Alisbah) | Completed |
| 27. Pakistan - preparation of revised 12/31/66 debt tables on semi-annual basis and preparation of schedules for loans contracted 6/30/66 to 6/30/67 for the Pakistan Economic Report | Asia (Hablutzel) | Completed |

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Complicated tabulations: IDA - Source of financing of individual projects through February 1968	Ec. (Hulley)	Completed
2. Simple regression analysis: El Salvador - maintenance costs and traffic volumes related to movement of various crops	Ec. (Churchill)	Completed
3. Simple regression analysis: Jute consumption study - consumption function for U.S., U.K., and various other countries	Ec. (Varon)	Completed
4. Simple regression analysis: Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975	Ec. (C. Singh)	Completed
5. Simple regression analysis: Petroleum production function	Ec. (C. Singh)	Completed
6. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
7. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
8. Moderately complicated regression analysis and data collection (Price Stabilisation Study): 1) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66 2) exports of principal primary commodities for 20 countries from 1953-65	Ec. (Krishnamurty) Off.Pres.(Avramovic) Ec. (Goreux)	In progress In progress
9. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Ec. (Goor) Proj. (Chadenet)	In progress
10. Coding of data from a large sample survey: Kenya Educational and Labor Force Planning study	Ec. (Thias)	In progress
11. Highly complicated mathematical analysis: Properties of Beta function and its relation of type I Pearsonian distribution	Ec. (Pouliquen)	In progress
12. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N.Carter)	In abeyance

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|--|-----------------------|-------------|
| 13. Moderately complicated calculations:
growth curves and investment under
various assumptions of taxation | Africa (Shourie) | Completed |
| 14. Simple regression analysis: Kenya
resource GAP model | Africa (Shourie) | Completed |
| 15. Moderately complicated tabulations: Central
African Republic - updating trade statistics | Africa (Booz) | In progress |
| 16. Rate of return calculations: | | |
| 1) Afghanistan - Highway study | Proj. (Parthasarathi) | Completed |
| 2) Livestock study | Proj. (Lubbeke) | Completed |
| 3) Livestock study | Proj. (Paléin) | Completed |
| 4) Livestock study | Proj. (Nelson) | Completed |
| 17. Routine checking: | | |
| 1) Malaysia Highway project report | Proj. (Takahashi) | Completed |
| 2) Ecuador Fisheries project appraisal report | Proj. (Walden) | Completed |
| 3) Malaysia Jengka Triangle project | Proj. (Walden) | Completed |
| 18. Complicated statistical analysis: Port of
Mombasa - arrival and servicing of ships on
seven months during 1964, 1965, 1966 and 1967.
Fitting of Poisson and exponential distributions | Proj. (Pouliquen) | In progress |
| 19. Highly technical statistical analysis:
Optimum cost model of an education project | Proj. (Hultin) | In abeyance |
| 20. Moderately complicated collection of data and
calculations: Portugal Mission - trade
statistics | Europe (Wahl) | Completed |
| 21. Simple calculations: calculation of indices
report on Fiji | Europe (Gonella) | Completed |
| 22. Simple data collection and tabulations:
Tanzania - collection of data on sugar cane | IFC (Fordwor) | Completed |
| 23. Complicated tabulations: IDA, IERD disbursements
in Belgium 1965-67 | Info. (Sankaran) | 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. (Schumacher)	Completed
2. Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In abeyance
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
4. Livestock Development Program - special case of fattening	Proj. (Hussein)	In progress
5. Simple computer program to generate streams of benefits by Monte Carlo methods and to obtain the corresponding rates of return	Proj. (Vigie)	In progress
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
7. 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. (Stat.Serv.)	In abeyance
8. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
9. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
10. Debt model	Ec. (de Vries)	In progress
11. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
12. Moderately complex computer program to produce cash flow tables of World Bank operations	Ec. (Goor)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Africa - Regional Transport Study schedule	Proj. (Johnson)	Completed
2. Colombia - Ganadero Nacional - Sales at Medellin Market - 1 chart traced	Proj. (Wood/Fransen)	Completed
3. New Zealand - sketch organization chart	Proj. (Nelson)	Completed
4. Senegal - Organization chart	Proj. (Fernandez-Santos)	Completed
5. Malaysia - Probability Distribution chart	Proj. (Vigie)	Completed
6. Malaysia - Dept. of Telecommunications - 4 charts	Proj. (Scoffier)	Completed
7. Madagascar - Sketch of organization chart and final chart	Proj. (Soges)	Completed
8. Tanzania - 3 organization charts	Proj. (Knobel)	Completed
9. Guatemala - sketch construction schedules	Proj. (Kulski)	Completed
10. Papua and New Guinea - detailed layout of organization chart	Proj. (Nelson)	Completed
11. 49 diagrams for publication	Ec. (Latimer)	In progress
12. 6 sugar charts	Ec. (Lovasy/Marsili)	In progress
13. Automobile ownership chart	Ec. (Nowicki)	Completed
14. Paper Trade Journal Price Ranges - 2 charts	IFC (Toutounji)	Completed
15. West Pakistan - 3 agricultural charts	IFC (Dixon)	Completed
16. Planning and layout of summary of proposals chart sketch	IFC (Dajany)	Completed

IV. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation for data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of Commodity Prices.
3. Maintenance of U.S. and Foreign Commodity Price Index.
4. 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).

cc: Mr. Stevenson

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

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST AND NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In abeyance
Israel	12/31/66	-	-	In progress
Jordan	12/31/67 (new)	-	-	In progress
Malta	12/31/67	-	-	Completed
Morocco	12/31/66; 6/30/67	-	-	In progress
<u>AFRICA</u>				
Congo-Kinshasa	6/30/67	-	-	In abeyance
Gabon	12/31/67	-	-	Completed
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Kenya	12/31/67	-	-	In progress
Madagascar	12/31/67 (new)	-	-	In progress
Malawi	12/31/67	-	-	Completed
Nigeria	6/30/67	-	-	In progress
<u>ASIA</u>				
China	12/31/67	-	-	In progress
New Zealand	12/31/67	-	-	Completed
Philippines	6/30/67 (new)	-	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
France	-	12/31/66	-	In progress
Greece	12/31/66; 6/30/67	12/31/66	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	12/31/67 (new)	-	-	In progress
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66; 6/30/67	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	6/30/67	-	-	In progress
Brazil	6/30/67 (new)	-	-	In progress
Chile	-	12/31/66	-	In progress
Haiti	12/31/67	-	-	In abeyance
Mexico	-	12/31/66	Ross	In progress
Nicaragua	6/30/67	-	-	Completed
Panama	-	12/31/67 (new)	-	In progress
Venezuela	6/30/67	-	-	Completed

Statistical Services Division
Economics Department
March 19, 1968

Mr. H. G. van der Tak

March 18, 1968

Jochen Schmedtje *Jh*

Activities of Investment Planning Division, March 1-15

- Abe (YP) : Continued work on study of optimum depth of a port (10 days).
Miscellaneous (1 day).
- Garnoy
(Consultant) : Continued analysis of data for Kenya case study on the use of
cost-benefit analysis in educational planning (part time).
- Davis : Returned from mission to Geneva on March 4. Worked for Middle
East Task Force (3 days) and other tourism matters (1 day).
Transferred to Projects Department on March 8.
- de Wille : Worked on his contribution to Argentina mission report (5 days),
the Iranian road reappraisal study (2 days), road maintenance
study (1 day) and study of optimum depth of a port (1 day).
Miscellaneous (2 days).
- Husain (YP) : Continued work on risk analysis regarding a livestock project in
Tanzania (full time).
- Lall : Reviewed and commented on draft appraisal reports regarding power
projects in Ghana, Colombia and Sierra Leone (3 days). Continued
work on study of project evaluation in inflationary conditions
(8 days).
- Meroz : Continued work on linear programming model for an irrigation pro-
ject in El Salvador (9 days). Reviewed and commented on draft
appraisal report regarding a water supply project in Bogota (1 day).
French lessons (1 day).
- Oury : Continued work on study of measurement and projections of domestic
demand for agricultural products in developing countries (6 days).
Reviewed and commented on draft appraisal report regarding an agri-
cultural project in the Sudan (2 days). Miscellaneous (2 days).
Spanish lessons (1 day).
- Pouliquen (YP) : Continued work on risk analysis regarding a port case (6 days) and
a road case (3 days). Miscellaneous (2 days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in
project analysis (2 days). Miscellaneous (2 days). Prepared for
mission to Burundi (2 days) and left for Burundi on March 9.
- Schmedtje : General supervision.

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- Thias : Continued analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (full time).
- Abudabbeh (RA) : Computed and coded information for Kenya case study on the use of cost-benefit analysis in educational planning for Mr. Thias (9 days). Computations regarding an irrigation project in El Salvador for Mr. Maroz (1 day). Special leave (1 day).
- Kim (RA) : Continued research regarding data on road maintenance for Mr. de Weille (8½ days). Miscellaneous (1½ days). Sick leave (1 day).

cc: Mr. Kamarck
Mr. Stevenson

JSchmedtje:es

Mr. Alexander Stevenson

March 8, 1968

Arthur E. Tiemann *AT*

Progress Report - Professional Staff - 2nd half February 1968

The professional staff of the Statistical Services Division carried out the activities indicated below during the period February 16 - 29, 1968:

- Tiemann - General administrative and supervisory duties. Preparation for second session of the Sub-committee on Statistical Activities and attendance at meetings at U.N. Preparation for Ad Hoc Group of Financial Statisticians meetings and attendance at meetings at OECD. Preparation for meetings with OECD on Expanded Reporting System and attendance at meetings.
- Goor - Work on IERD Flow of Funds Model (with Orcutt and Rovani); on correspondence with African Development Bank in re agreement and arrangements; on correspondence with Asian Development Bank in re agreement and on meeting with working party. Review of Projects Department Data Bank Forms for Spottswood.

General Statistics:

- Kundu - General supervisory duties. Discussion of statistical problems with Goreux (Buffer Stock Model), Walstedt (Demand for Steel Study), Thias and Konnai (Data Processing of Labor Force Survey of Kenya) and Schumacher and Hassid (Kenya Livestock Model). Attendance at de Vries seminar on India. Acting Division Chief from February 23, 1968.
- Al Sharbati - Worked on computer programs for Walstedt and prepared memo for him on Demand for Steel. Attended writing course by Perlmutter. Studied operating and programming manual for Olivetti 101.

Programming:

- Angel - General supervisory duties. Work on revision of livestock model, de Vries debt model (including participation in meeting). Programmed calculation of spectral density values for Goreux study. Supervised changes in DAM program.

Programming (Cont.)

- Rudolphi - Continued probability analysis of Mogadiscio Port Project. Completed debugging of two subroutines to generate triangular and Beta distributions for above. Continue debug of new rate of return subroutine.
- Kumsher - Completed coding of agricultural cash flow program and continued debugging. Started write-up of above program.
- Krishna - Developed program to calculate price indices on U.N. Trade Statistics and modified above for a general purpose program to calculate price indices.

External Debt:

- Paulson - General supervisory duties for section. Preparation of material for Ad Hoc Committee on External Debt. Preparation of material for meeting of Ad Hoc Group of Financial Statisticians and for Expanded Reporting System and attended meetings at OECD.
- Hedley - General supervision of external debt statistics for group. Preparation for and setting out on mission to four African countries, including preliminary visit to Paris for French debt data.
- Bullock - Return from extended leave and general supervision of external debt statistics for group.
- Constantinopoulou - Mission to Mexico on external debt statistics.
- Slappey - General supervision of External Debt Section during Mrs. Paulson's absence on mission. Planning charges in processing methods for the Expanded Reporting System, drawing up editing requirements and commenting on OECD correspondence. Supervision of processing of IBRD Treasurer's cards for debt projection. Assistance on special coding of IBRD loans for Goor's cash flow project. Participation in meeting on de Vries's debt model.

cc: Mr. Bhatia

AETiemann:ra

Mr. Andrew M. Kamareck

March 5, 1968

Arthur E. Tiemann *actj*

Progress Report of Statistical Services Division
for the period February 16 - 29, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	5(1)	5(1)	4(2)	2	2(2)	3	15(1)	1	6(1)
Current tables:										
12/31/67	-	1(1)	2	3(2)	-	2(2)	1	-	1	-
9/30/67	-	-	-	-	1	-	-	-	-	-
6/30/67	-	1	1	1	1	-	-	5	-	3(1)
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2	-	-	-	-	-	2	-	-
6/30/66	-	-	-	-	-	-	-	-	-	-
12/31/65	-	-	-	-	-	-	-	-	-	-
Historical tables:										
12/31/67	-	-	1	-	-	-	-	-	-	-
12/31/66	-	-	1(1)	-	-	-	2	8(1)	-	3

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

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2.	All countries - preparation of list of agreement dates of Eximbank loans	Economics	Completed
3.	Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	Completed
4.	Preparation of 25-year projections for various countries	Economics	Completed
5.	Posting AID loans as of 12/31/67 for Asian and African countries	Economics	Completed
6.	Inventory of active loans as of 12/31/67 and of new loans granted each year	Economics	Completed

March 5, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Posting Eximbank loans as of 12/31/67 for Asian and African countries	Economics	In progress
8. Colombia - preparation of memorandum on debt submission as of 12/31/66	W.H.	Completed
9. Colombia - preparation of table showing external public debt outstanding as of June 30, 1967	W.H. (Teigeiro)	Completed
10. Various W. Hemisphere countries - posting, information from creditor sources as of 12/31/67	W.H.	In progress
11. Brazil - checking debt submission	W.H.	In progress
12. Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967	W.H. (Ross)	In progress
13. Venezuela - preparation of revised tables 1 and 2 as of June 30, 1967	W.H.	In progress
14. Liberia - preparation of historical tables as of 12/31/66	Africa	Completed
15. Ghana - preparation of memorandum on debt submission as of 12/31/66	Africa	Completed
16. Kenya - posting, coding and preparation of debt tables as of 12/31/67	Africa	In progress
17. Gabon - posting, coding and preparation of debt tables as of 12/31/67	Africa	In progress
18. Fiji - Study of debt submissions as of 6/30/67 and 12/31/67	Europe	Completed
19. Posting AID and EXIMBANK loans as of 12/31/67 for various European countries	Europe	Completed
20. Austria - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
21. Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
22. Finland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
23. Fiji - preparation of memorandum on debt submission as of 12/31/67	Europe	In progress
24. France - preparation of historical tables 1956-1966	Europe	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
25. U.A.R. - preparation of memorandum on status of external debt reports	M.E. & N.A.	Completed
26. Morocco - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	In progress
27. Malta - posting, coding and preparation of debt tables as of 12/31/67	M.E. & N.A.	In progress
28. New Zealand - posting, coding and preparation of debt tables as of 12/31/67	Asia	In progress
29. China - posting, coding and preparation of debt tables as of 12/31/67	Asia	In progress
30. Indonesia - preparation of memorandum on debt submission as of 6/30/67	Asia	In progress
31. Preparation of amortization schedules	Proj. (Hassid)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
3. Complicated tabulations: IDA - Source of financing of individual projects through January 1968	Ec. (Hulley)	In progress
4. Simple regression analysis: El Salvador - maintenance costs and traffic volumes related to movement of various crops	Ec. (Churchill)	In progress
5. Moderately complicated calculations: growth curves and investment under various assumptions of taxation	Adm (Shourie)	In progress
6. Simple regression analysis: Jute consumption study - consumption function for U.S., U.K., and various other countries	Ec. (Varon)	In progress
7. Moderately complicated regression analysis and data collection (Price Stabilisation Study):		
1) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
2) exports of principal primary commodities for 20 countries from 1953-65	Off. Pres. (Avramovic) Ec. (Goreux)	In progress
8. Simple regression analysis: Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975	Ec. (C. Singh)	In progress
9. Complicated analysis: Disbursement patterns of IERD loans by purpose and projections	Ec. (Goor) Proj. (Chadenet)	In progress
10. Complicated statistical analysis: Port of Mombasa - arrival and servicing of ships on seven months during 1964, 1965, 1966 and 1967. Fitting of Poisson and exponential distributions	Adm. (Pouliquen)	In progress

March 5, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N.Carter)	In abeyance
12. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
13. Simple regression analysis: Aluminum demand - the world - calculations on revised data	Proj. (Huang)	Completed
14. Simple collection of data: East Africa - collection of commodity prices and seasonal indices	Adm. (Shourie)	Completed
15. Simple data collection and calculations: World power data - production and capacity, 1965, growth rates 1955-1965	Proj. (Spottswood)	Completed
16. Rate of return calculations: 1) Ceylon lift irrigation project 2) Tanzania - beef cattle study 3) Miscellaneous projects	Proj. (Zarandin) Proj. (Schumaker) Proj. (Parthasarathi)	Completed Completed Completed
17. Simple calculations: Amortization schedules	Proj. (Hassid)	Completed
18. Moderately complicated regression analysis: steel consumption study interrelationship of consumption to GNP, metal industry, etc. 1955 and 1963	Ec. (Walstedt)	Completed
19. Simple calculations: Exports of LDC's study - Index updating	Ec. (Singh)	Completed
20. Simple regression analysis: Kenya - Imports related to GNP and other variables	Adm. (Shourie)	Completed

C. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj. (Schumacher)	In progress
2. Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In abeyance
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
4. Livestock Development Program - special case of fattening	Proj. (Hussein)	In progress
Simple computer program to generate streams of benefits by Monte Carlo methods and to obtain the corresponding rates of return	Proj. (Vigie)	In progress
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
7. 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. (Stat.Serv.)	In abeyance
8. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
9. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
10. Debt model	Ec. (de Vries)	In progress
11. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
12. Simple computer program to calculate length of term to maturity and length of grace period using external debt terms cards	Ec. (Goor)	Completed
13. Simple computer program to calculate spectral Density Values	Ec. (Goreux)	Completed
14. General purpose program to calculate various price and volume indices on commodities	Ec. (Kundu)	Completed

March 5, 1968

D. GRAPHICS

1. Colombia - Ganadero Nacional - 4 charts	Proj. (Wood)	Completed
2. Ivory Coast - 2 organization charts in French	Proj. (Ludwig)	Completed
3. Average London Tea auction prices	Proj. (Eccles)	Completed
4. Sudan - Revision of Education chart	Proj. (Macris)	Completed
5. Malaysia - Dept. of Telecommunications - 4 charts	Proj. (Scoffier)	In progress
6. Tanzania - 3 organization charts	Proj. (Knobel)	In progress
7. Typical decision flow diagram	Proj. (Robertson)	Completed
8. Trinidad and Tobago - chart revised	Proj. (Stewart)	Completed
9. Afghanistan - organization chart detailed pencil layout	Proj. (Kaden)	Completed
10. Ecuador - 2 charts	Proj. (Vibert)	Completed
11. Papua and New Guinea - detailed layout of organization chart	Proj. (Nelson)	On hand
12. Trinidad and Tobago - chart	Proj. (Wood)	On hand
13. 44 diagrams for publication-	Ec. (Latimer)	On hand
14. Tea chart - production and price	Ec. (Elz)	Completed
15. Plywood - 2 charts	Ec. (Hunter)	Completed
16. Automobile - 8 charts	Ec. (Nowicki)	Completed
17. Tunisia - revise organization chart	IFC (Nougaim)	Completed
18. West Pakistan - 3 agricultural charts	IFC (Dixon)	In progress
19. Planning and layouts of projects charts	IFC (Dajany)	On hand

March 5, 1968

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation for data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IERD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of Commodity Prices.
3. Maintenance of U.S. and Foreign Commodity Price Index.
4. 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).

cc: Mr. Stevenson

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

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In progress
Israel	12/31/66	-	-	In progress
Malta	12/31/67 (new)	-	-	In progress
Morocco	12/31/66; 6/30/67	-	-	In progress
<u>AFRICA</u>				
Botswana	12/31/67	-	-	Completed
Madagascar	6/30/67	-	-	Completed
Congo-Kinshasa	6/30/67	-	-	In abeyance
Gabon	12/31/67 (new)	-	-	In progress
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Kenya	12/31/67 (new)	-	-	In progress
Liberia	-	12/31/66 (new)	-	Completed
Malawi	12/31/67	-	-	In progress
Nigeria	6/30/67	-	-	In progress
Tanzania	12/31/67	12/31/67	-	Completed
<u>ASIA</u>				
China	12/31/67 (new)	-	-	In progress
India	9/30/67	-	-	Completed
Japan	6/30/67	-	-	Completed
New Zealand	12/31/67 (new)	-	-	In progress
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
Denmark	-	12/31/66	-	Completed
France	-	12/31/66	-	In progress
Greece	12/31/66; 6/30/67	12/31/66	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66	-	Completed
Netherlands	12/31/67	-	-	Completed
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66; 6/30/67	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	6/30/67	-	-	In progress

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

Country	Projection and date	Historical and date	Requested by	Status
<u>WESTERN HEMISPHERE (CONT.)</u>				
Chile	-	12/31/66	-	In progress
Haiti	12/31/67	-	-	In abeyance
Mexico	-	12/31/66	Ross	In progress
Nicaragua	6/30/67	-	-	In progress
Panama	12/31/67	-	-	Completed
Venezuela	6/30/67 (new)	-	-	In progress.

Statistical Services Division
Economics Department
March 5, 1968

Mr. George Kalmanoff

March 4, 1968

John Hulley

Progress Report - February 16-29

Major Studies

Other Activities

J. Hulley:

- (a) Meeting of Deputies on IDA Replenishment - Feb. 19-21;
- (b) Working Party on IDA Replenishment;
- (c) briefing charts on aid and debt;
- (d) administration and supervision. (9 days)

P. de Fontenay:

On mission.

V. Dubey:

- (a) Protection of capital goods production in developing countries;
 - (b) import substitution: conceptual and methodological study. (5 days)
- (a) IDA replenishment;
 - (b) memo on DAC bibliography on private foreign investment. (4 days)

S. Kao:

- (a) Multilateral Development Financing Institutions. (9 days)

W. Maane:

- (a) Drafted note on effects of IBRD administrative expenses on U.S. b.o.p;
- (b) started review of Prof. Cheng's proposal that IBRD "certify" economic soundness of LDCs issuing bonds. (9 days)

B. Rao:

- (a) Reply to Mr. Louvet of OECD regarding bibliography on private foreign investments in LDCs;
- (b) note to Mr. Michael Hoffman on official assistance to consortia and C.G. countries 1960 to 1966;
- (c) note on Mr. Horowitz's speech at UNCTAD;
- (d) briefing charts on aid and debt; briefing papers on donor countries;
- (e) handled sundry enquiries. (7 days)

D.J. Wood:

- (a) External Debt Models. (4 days)

Mrs. K.J. Hong:

- (a) Assisted Messrs. Hulley and Dubey on IDA Replenishment;
- (b) briefing charts.

Mr. Wood, a Young Professional, joined the Division on February 26th.
Cc: Messrs. Kamarck, Stevenson, Bhatia

Ec Dept P R

Mr. A. Stevenson

March 4, 1968

H. G. van der Tak

Monthly Report of Activities - February 1-29

Most of my time was spent on regular supervisory activities including discussions on the work program of the Sector and Project Group. On February 5 I attended the staff meeting of the Projects Department Transportation Division and talked on our research work.

JF
HGVdT:zmc

cc: Mr. Kamarek

Mr. J. H. Collier

March 1, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
February 16-29, 1968

World Tables

1. Copies of the revised and updated World Tables have been distributed, by the Addressograph Unit.
2. The work of sorting and assembling the tables involved for the Division an investment of two man-weeks.
3. Work is continuing on World Table 8, "Balance of Payments and Foreign Exchange Gap."

Country Economic Briefs

4. The data pages for approximately 90 developing countries have been completed and sent to the Area Departments. Work continues on the remaining developing and developed countries.
5. Work on this project continues to occupy most of the professional staff and research assistants of the Division.
6. No completed stencils have yet been received from any of the Area Departments.

"Kravis Project"

7. A meeting was held with Professor Kravis in Mr. de Vries' office on February 20, 1968. The subject of the meeting was Prof. Kravis' proposed study of real income in developing and developed countries. A summary of the meeting was prepared and copies sent for inclusion in the Blue Books.

Miscellaneous

8. Mr. Bory was on annual leave from February 16 through February 28, 1968.

ELevy:eb

cc: Mr. A.M. Kanarck
Mr. A. Stevenson

cc Dep. Prog. Rep.

Mr. J. H. Collier

March 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, Feb. 16-29, 1968

Major Studies

Messrs. Churchill and Huber continued work on the Central American Road User Charges Study (9 days).

Mr. Abbate (Young Professional) - continued his study of agricultural taxation in India (9 days).

Country Mission Work

Mr. Holsen - has been preparing his contribution to the report of the economic mission to Portugal (8 days).

Messrs. Christoffersen and Anselle - have been preparing their draft report for the economic mission to Pakistan.

Mr. Sciolli - continued preparatory work in connection with his membership of the forthcoming mission to Egypt for which he departed Washington on the 28th of February (7 days).

Mr. Basoah - has been in Malagasy as a member of the economic mission to that country.

Mr. Beier - has been preparing a report on his mission to Spain in connection with the transport coordination study being undertaken by the Spanish Government (9 days).

Mr. Eklund returned from the Philippines on February 27 and has been participating in the preparation of the report of the economic mission to that country.

Mr. Please returned from the Philippines on February 26 and has been preparing the back-to-office report in respect of himself and Mr. Eklund, and the contribution to the report of the economic mission to that country. General supervision of Division activities.

Other Activities

Mr. Churchill - Spanish class (one hour each day).

Mr. Holsen - acted as head of the Division until my return to the Bank the 26th of February.

Mr. J. H. Collier

Re: March 1, 1968

Research Assistants

Miss Lacusos - preparation of data relating to irrigation water charges and electricity rates in India (6 days); preparation of graphs and tables on internal revenue collections in the Philippines (3 days).

Miss Moldau - work connected with the Central American Road User Charges Study (9 days).

S/Please/lo

cc: Messrs. Kamarek and Stevenson

Mr. H. G. van der Tak

March 1, 1968

Jochen Schmedtje *Jh*

Activities of Investment Planning Division, February 16-29

- Abe (YP) : Continued work on study of optimum depth of a port (full time).
- Carnoy (Consultant) : Returned from mission to Kenya on February 26. Worked on analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (part time).
- Davis : Worked for Middle East Task Force (4 days) and on other tourism matters (1 day). Departed on mission to Geneva on February 25.
- de Weille : Returned from mission to Argentina on February 19. Worked on his contribution to mission report (5 days) and with Mr. Abe on study of optimum depth of a port (2 days). Miscellaneous (1 day).
- Husain (YP) : Continued work on risk analysis regarding a livestock project in Tanzania (full time).
- Lall : Continued work on study of project evaluation in inflationary conditions and completed Division draft of Part I, Inflation and Financial Intermediaries (9 days).
- Meros : Continued work on linear programming model for an irrigation project in El Salvador (7 days). Reviewed and commented on draft appraisal report regarding a power project in Colombia (1 day). French lessons (1 day).
- Oury : Completed revision of draft report on agricultural production models (5 days). Finalized comments on the methods for deriving agricultural production targets used in Pakistan (2 days). Started work on study of methods for projecting demands for agricultural commodities in developing countries (1 day). Miscellaneous (1 day).
- Pouliquen (YP) : Continued work on risk analysis regarding a port case (7½ days) and a highway case (1½ days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project analysis (4 days). Reviewed and commented on draft appraisal report regarding an agricultural project in Ceylon (1½ days). Miscellaneous (1½ days). Spanish lessons (1 day). Annual leave (1 day).
- Schmedtje : General supervision.
- Thias : Returned from mission to Kenya on February 19. Worked on analysis of data for Kenya case study on the use of cost-benefit analysis in educational planning (7 days). Reviewed and commented on draft appraisal report regarding an education project in the Sudan (1 day).

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Abudabbeh (RA) : Computed information regarding an irrigation project in El Salvador for Mr. Meros (8 days). Annual leave (1 day).

Kim (RA) : Continued research regarding data on road maintenance for Mr. de Weille (full time).

Studies Completed

Division draft, Inflation and Financial Intermediaries prepared by Mr. Sanjaya Lall.

Department draft, Exploring the Possibilities of Deriving Agricultural Production Models for Developing Countries, 4 volumes and summary, prepared by Mr. Bernard Oury. Circulated on February 23 to selected people in the Economics, Projects and Asia Departments and the E.D.I. for review and comment.

cc: Mr. Kamarek
Mr. Stevenson

JSchmedtje:es

Mr. George Kalmanoff

February 21, 1968

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John Hulley
Progress Report - February 1-15

Major Studies

Other Activities

J. Hulley:

- a) Working Party on IDA Replenishment;
- b) External Debt Review Committee;
- c) Table on factors affecting placement of IBRD 2-year bonds;
- d) Administration and supervision. (11 days)

P. de Fontenay:

On mission.

V. Dubey:

- a) Protection of capital goods production in developing countries;
- b) suppliers' credits by developing countries. (5 1/2 days)
- a) Material for a speech by Mr. Taxi;
- b) IDA replenishment. (2 1/2 days)

S. Kao:

- a) Multilateral Development Financing Institutions. (7 days)
- a) Prepared annotated table on factors affecting placement of March issue of IBRD 2-year bonds, reflecting comments of Area Departments and IMF staff. (4 days)

W. Masne:

- a) Prepared for Mr. Friedman:
 - i) memo on U.S. balance of payments;
 - ii) memo on meeting of Ministers of French-speaking African countries;
 - iii) reply to letter from Council of Churches of Christ about U.S. balance of payments measures.
- b) worked on up-dating data in IBRD study on "Suppliers' Credits from Industrialized to Developing Countries". (11 days)

B. Rao:

- a) Multilateral Development Financing Institutions. (1 1/2 days)
- a) Commented on FAO note on availability of aid for the Indicative World Plan for Agriculture;
- b) prepared briefing materials on aid flows and bilateral aid programs. (5 1/2 days)

Mrs. Hong:

Assisted Messrs. Hulley and Dubey in connection with IDA replenishment. (11 days)

Cc: Messrs. Kassarck
Stevenson
Bhatia

B. 513 P. R

Mr. Andrew M. Kamarck

February 21, 1968

Arthur E. Tiemann *A.E.T. by A. Kamarck*

Progress Report of Statistical Services Division
for the period February 1 - 15, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	4	4/1	6(3)	-	2	-	17(1)	4	8(1)
Current tables:										
12/ /67	-	-	1	3(2)	-	-	-	1(1)	-	2(1)
9/30/67	-	-	-	-	-	1	-	-	-	-
6/30/67	-	1	3/1	2(1)	-	1	-	5	4	2
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2	-	-	-	-	-	2	-	-
6/30/66	-	-	-	-	-	-	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
12/31/67	-	-	-	1	-	-	-	-	-	-
12/31/66	-	-	-	-	-	-	-	9	-	2

Note: Excludes 12 countries in abeyance; () = number of countries started during the period;
/1 = revision.

Work	Requested by	Status
1. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Preparation of debt cards for credits granted by CCC as of Nov. 30, 1967 for African and Asian countries	Economics	Completed
5. Posting AID loans as of Dec. 31, 1967 for Asian and African countries	Economics	Completed
6. Preparation of 25-year projections for various countries	Economics	In progress

February 21, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Trinidad and Tobago - preparation of amortization schedule for \$2,000,000 IBRD loan	W. Hem. (Kuriyama)	Completed
8. Costa Rica - preparation of amortization schedule for \$3,000,000 IBRD loan	W. Hem. (Rose)	Completed
9. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
10. Brazil - checking debt reports	W. Hem.	In progress
11. Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967	W. Hem. (Ross)	In progress
12. Colombia - preparation of table showing external public debt outstanding as of June 30, 1967	W. Hem. (Teigeiro)	In progress
13. Guinea - preparation of memorandum on debt submissions as of June 30, 1967 and Dec. 31, 1967	Africa	Completed
14. EACSO - preparation of memorandum on external debt submission as of June 30, 1967	Africa	Completed
15. Guinea - amortization schedules for proposed IBRD loans	Africa (Doyen)	Completed
16. Yugoslavia - preparation of amortization schedule	Europe	Completed
17. Austria - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
18. Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
19. Finland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
20. Yugoslavia - preparation of memorandum on debt submissions as of June 30, 1967 and Dec. 31, 1966	Europe	Completed

February 21, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. U.A.R. - preparation of memorandum on status of external debt reports	M.E. & N.A.	In progress
22. Morocco - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	In progress
23. Tunisia - preparation of local currency tables as of June 30, 1967	M.E. & N.A. (King)	Completed
24. Ghana - preparation of memorandum on debt submission as of Dec. 31, 1966	M.E. & N.A.	In progress
25. Mali - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	Completed
26. Preparation of amortization schedules on various terms and discounting thereof	M.E. & N.A.(Golden)	Completed
27. Thailand - estimation of soft and hard loans granted between 1961 and 1966 inclusive	Asia (Perkins)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec.(Hawkins, Carter)	In progress
2. Simple regression analysis: Malaysia - import data related to various variables	Ec.(Niebuhr)	In progress
3. Simple regression analysis: Demand for jute for India, Pakistan and Thailand	Ec.(Varon)	Completed
4. Moderately complicated regression analysis: and data collection (Price Stabilisation Study): i) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec.(Krishnamurty)	In progress
ii) exports of principal primary commodities for 20 countries from 1953-65	(Pres.Off.(Avramovic) Ec.(Goreux)	In progress
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In abeyance
6. Simple regression analysis: Costa Rica - maintenance costs and traffic volumes related to movement of various crops	Ec. (Churchill)	Completed
7. Simple regression analysis: Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975	Ec. (C. Singh)	In progress
8. Simple regression analysis: Aluminum demand - the world - calculations on revised data	Proj. (Huang)	In progress
9. Simple calculations: Discounted repayments of various types of loans by different rates of opportunity costs for comparison purposes	Proj. (Spencer)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Ec. (Goor) Proj. (Chadenet)	In progress
11. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
12. Simple data collection and calculations of rate of return for: i) Venezuela Road Project ii) W. Malaysia Telecommunications iii) Sarawale and Sabah Telecommunications	Proj. (Parthasarathi) Proj. (Vigie) Proj. (Vigie)	Completed Completed Completed
13. Routine checking: Brazil - Highway construction project	Proj. (Hardy)	Completed
14. Moderately complicated data search and calculations: New Zealand report	Pres. Off. (Kochav)	Completed
15. Moderately complicated tabulations: IBRD and IDA commitments - China, Japan, and Korea, by purpose	Asia (Jansen)	Completed
16. Moderately complicated tabulations: India - IBRD and IDA commitments by area and purpose	Asia (Kirk)	Completed
17. Complicated statistical analysis: Port of Mombasa - arrival and servicing of ships on seven months during 1964, 1965, 1966 and 1967. Fitting of Poisson and exponential distributions	Adm. (Pouliquen)	In progress
18. Simple collection of data: East Africa - collection of commodity prices and seasonal indices	Adm. (Shourie)	In progress
19. Simple tabulations: Central African Republic - updating various tables for fiscal expenditures, current expenditures, investment expenditures for 1960-67	Afr. (Booz)	Completed
20. Simple calculations: Repayment schedule of a loan	Afr. (Ba)	Completed

Mr. Andrew M. Kamarok

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February 21, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Simple tabulations: IBRD and IDA disbursements in Austria, 1966 and 1967	Ex. Director (Haushofer)	Completed
22. Simple data collection and tabulation: Brazil - revision of various tables	W. Hem. (Lerdau)	Completed

G. PROGRAMMING

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Preparation of a computer program to calculate cash flows	Proj.(Ripman)	In progress
2. Complex simulation of lighterage facilities in port activity	Proj.(Pouliquen)	In abeyance
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj.(Pouliquen)	In progress
4. Livestock Development Program - special case of fattening	Proj.(Hussein)	In progress
5. Simple computer program to generate streams of benefits by Monte Carlo methods and to obtain the corresponding rates of return	Proj.(Vigie)	In progress
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In progress
7. 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.(Stat. Service)	In abeyance
8. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
9. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec.(Stat. Service)	In progress
10. Debt model	Ec.(de Vries)	In progress
11. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec.(N.Carter,Niebuhr)	In progress
12. Simple read/write computer program to use a canned routine to compute the roots of a polynomial	Ec. (Goreux)	Completed

Mr. Andrew M. Kamarok

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February 21, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
13. Moderately complex revisions in the financial forecasting program prepared in IFC in 1967	IFC(Wessels)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Colombia - 5 charts revised	Proj. (Hultin)	Completed
2. Singapore - organization chart, sketch	Proj. (Callejas)	Completed
3. Brazil - 4 organization charts, revised	Proj. (Schaefer)	Completed
4. 9 Malasian charts, revised	Proj. (McMahon)	Completed
5. Colombia - Bogota Water Supply Project, 2 charts	Proj. (Krombach)	Completed
6. Tanzania - 2 organization charts	Proj. (Knobel)	On hand
7. Typical decision flow diagram	Proj. (Robertson)	In progress
8. Singapore Sewerage Project - 2 charts	Proj. (Callejas)	Completed
9. Uganda - organization chart, revised	Proj. (Schumacher)	Completed
10. Trinidad & Tobago - 4 education charts	Proj. (Stewart)	Completed
11. Ecuador - 2 charts	Proj. (Vibert)	Completed
12. Burundi & Tanzania Staffing Schedule	Proj. (Johnson)	Completed
13. Pakistan - 6 charts	Ec. (Gilingiroglu)	On hand
14. 44 diagrams for publication	Ec. (Latimer)	On hand
11. Plywood - 2 charts	Ec. (Hunter)	On hand
12. Free World Production and Consumption of Aluminum	Ec. (Hunter)	Completed
13. Per capita consumption of plywood	Ec. (Hultin)	In progress
14. Steel Production - 1 chart revised, 1 chart sketch	Ec. (Datas)	Completed
15. One diagram	Ec. (Zaidan)	Completed
16. West Pakistan - 2 charts	IFC (Dixon)	Completed
17. Imports of non-cotton fabrics, etc.	IFC (El Darwish)	Completed

Mr. Andrew M. Kamarck

- 10 -

February 21, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
18. Nigeria - Arewa Textiles, Ltd.	IFC (Eynon)	Completed
19. Ghana - organization chart	IFC (Pollan/Muramatsu)	Completed
20. 1 form - Project information	IFC (Vourloumis)	Completed
21. West Pakistan - 3 agricultural charts	IFC (Dixon)	In progress
22. Personnel charts - 11 charts	Adm. (Dyck)	Completed

February 21, 1968

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation for data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and ~~areas for~~ all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBRD and IDA disbursements.
2. Maintenance of Commodity Prices.
3. Maintenance of U.S. and Foreign Commodity Price Index.
4. 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).

cc: Mr. Stevenson
:ms

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

Country	Projection and Date	Historical and Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In progress
Israel	12/31/66	-	-	In progress
Morocco	12/31/66;6/30/67	-	-	In progress
<u>AFRICA</u>				
Botswana	12/31/67(new)	-	-	In progress
Cameroon	12/31/67	-	-	Completed
Chad	6/30/67(new)	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Kenya	6/30/67(rev.)	-	Shourie	Completed
Liberia	6/30/67	-	-	Completed
Malawi	12/31/67(new)	-	-	In progress
Mali	6/30/67	-	-	Completed
Nigeria	6/30/67	-	-	In progress
Tanzania	12/31/67	12/31/67	-	In progress
<u>ASIA</u>				
India	9/30/67	-	-	In progress
Japan	6/30/67	-	-	In progress
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
Denmark	-	12/31/66	-	In progress
Greece	12/31/66;6/30/67	12/31/66	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66	-	In progress
Netherlands	12/31/67(new)	-	-	In progress
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66;6/30/67	-	-	In abeyance
Yugoslavia	12/31/66;6/30/67	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	6/30/67	-	-	In abeyance
Chile	12/31/65;6/30/66	-	-	In progress

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

Country	Projection and Date	Historical and Date	Requested by	Status
WESTERN HEMISPHERE (CONT.)				
Chile	6/30/67	-	-	In progress
Colombia	6/30/67	-	-	Completed
Ecuador	6/30/67	-	-	Completed
El Salvador	6/30/67	-	-	Completed
Haiti	12/31/63;12/31/64	-	-	In abeyance
"	6/30/65;6/30/66	-	-	In abeyance
"	12/31/66	-	-	In abeyance
Haiti	12/31/67(new)	-	-	In progress
Jamica	6/30/67	-	-	Completed
Mexico	-	12/31/66	Ross	In progress
Nicaragua	6/30/67	-	-	In progress
Panama	12/31/67	-	-	In progress

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Statistical Services Division
Economics Department
February 21, 1968

Mr. G. Kalmanoff

February 20, 1968

Rena Zafiriou

Progress Report

- (1) I prepared a memorandum on the current economic situation in Austria at Mr. Sacchetti's request.
- (2) I have started work on Japanese economic development as agreed with Mr. Kamarek.


RZ/mr

Mr. J. H. Collier

February 19, 1968

John A. Holsen

Report on the Activities of the Domestic Finance Division, Feb. 1 - 15, 1968

Major Studies

Messrs. Churchill and Huber continued work on the Central American Road User Charges Study (11 days).

Mr. Abbate (Young Professional) - continued his study of agricultural taxation in India (11 days).

Country Mission Work

Mr. Holsen - arrived from Portugal on February 6 as a member of the economic mission to that country. Prepared back-to-office report (2 days) and worked on monetary and fiscal aspects for mission's report (5 days).

Mr. Christoffersen - arrived from Pakistan on February 12 as a member of the economic mission to that country. Prepared back-to-office report (1 day); worked on public finance chapter to draft economic report (2 days).

Mr. Asselle (Young Professional) - arrived from Pakistan on February 12 as a member of the economic mission to that country. Prepared back-to-office report (1 day); worked on public finance chapter to draft economic report (2 days).

Mr. Sciulli - continue preparatory work in connection with his membership in the forthcoming mission to Egypt (6 days), and initiated preparatory work on the Tunisian tax structure (5 days).

Mr. Eklund - has been in the Philippines as a member of the economic mission to that country (Jan. 26th to date).

Mr. Please - has been in the Philippines as a member of the economic mission to that country (Jan. 31st to date).

Mr. Basoah - departed Washington on February 12 for Malagasy as a member of the economic mission to that country. (On home and annual leave up to February 9.)

Mr. Baier - arrived from Spain on February 12 as a member of a one-week mission to that country; preparation prior to mission (2 days) and work on draft report on the Spanish mission (4 days).

Other Activities

Mr. Churchill acted for Mr. Please until February 7th; since that time Mr. Holsen has acted for Mr. Please.

February 19, 1968

Research Assistants

Miss Dacumos - preparation of data relating to trends in agricultural income tax, land revenue and tax revenue in India as well as data on irrigation water charges and electricity rates (6 days); work connected with the Central American Road User Charges Study (3 days).

Miss Meldau - work connected with the Central American Road User Charges Study (11 days).

JAHolsen/lc

cc: Messrs. Kasarck and Stevenson

Mr. J. H. Collier

February 19, 1968

Emmanuel Levy

Work Progress Report for the Comparative Data Division for the Period February 1-15, 1968

World Tables

- 1. Work on the first seven World Tables and the accompanying explanatory notes has been completed. The printed tables and text have been received from the Print Shop and are now being assembled. General distribution will be effected during the coming week.
- 2. Work has been resumed on World Table 8, "Balance of Payments and Foreign Exchange Gap."

Country Economic Briefs

- 3. The preparation of the data pages of the Briefs is still in progress. Data have been compiled for most developing countries and these are now undergoing checking in the Division.
- 4. The Briefs are being sent to the Area Departments on a day-to-day basis as soon as completed.

Indonesia Mission

- 5. A draft report on the state of Indonesian statistics and proposals for future activities in this field was completed and submitted to the Asia Department.

ELevy:eb

cc: Mr. A.M. Kamarck
Mr. A. Stevenson

Mr. Herman van der Tak

February 16, 1968

Bertil Walstedt

Progress Report - February 1 - 15

1. I spent about one-half of my time on the final draft of the Heavy Mechanical Equipment Report, completing the section on steel plant equipment under Chapter III.
2. The rest of my time was spent in fairly equal shares on the following subjects: (a) Final draft for the study of the demand for steel, (b) Industrialization Division Work Program, (c) Bruton's study on "Productivity Growth and Development in Latin America".


BWTJG

cc: Mr. Kamarek
Mr. Stevenson

Mr. A. Stevenson through Mr. H.G. van der Tak

February 16, 1968

M.A. Sreedhar

Principal Activities of the Industrialization Division - February 1-15

- Sreedhar: General supervision
- Baranson:
 1. Completed work on the Automotive Industries in Developing Countries. (Transferred to the Economic Development Institute on February 13).
- Cilingiroglu:
 1. Returned from Pakistan Mission on January 29. Worked on the Pakistan Mission report.
- Datas: Philippines Mission.
- Nowicki:
 1. Revised the study on "Projection of Automobile Demand in Developing Countries." (6days)
 2. Prepared for Colombia Mission. (2 1/2 days)
 3. Attended Spanish course. (2 1/2 days)
 4. Attended the Effective Writing Course.
- Schrenk: Prepared for Iraq and Singapore Missions. Left on February 6.
- Villela: At EDI.
- Martinez: (RA)
 1. Worked on the study "Automotive Industries in Developing Countries", for Mr. Baranson. (1/2 day)
 2. Did additional research on capital labor ratios for selected industries, for Mr. Sreedhar. (2 days)
 3. Worked on the study "The Pulp and Paper Industry", for Mr. Datas. (3 days)
 4. Worked for Mr. Cilingiroglu on revisions to the study "Heavy Electrical Equipment in Developing Countries." (3 1/2 days)
 5. Helped Mr. Sreedhar on the information system of the Division. (2 days)
- May: (RA)
 1. Worked with Mr. Walstedt on heavy mechanical equipment trade and production statistics. (4 days)
 2. Worked on "The Demand for Steel" study for Mr. Sreedhar. (3 1/2 days)
 3. Worked for Mr. Cilingiroglu on "Heavy Electrical Equipment in Developing Countries." (1 day)
 4. Worked on "Automotive Industries in Developing Countries", for Mr. Baranson. (1/2 day)
 5. Annual leave. (2 days)
- Snell: (RA) Worked on Middle East Task Force.

Mr. A. Stevenson

-2-

February 16, 1968

Turay: (RA)

Collected data on capital investment in manufacturing industries in developing countries for Mr. Sreedhar. (11 days)

MAS:ph

cc: Industrialization Division

Be Dept P. R.
February 16, 1968

Mr. Andrew M. Kamarck

E.K. Hawkins *EKH*

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending February 16, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Preparation of review paper on Malaysia. Jamaica project. (4 days)	General supervision. Completion of rapid reading course. Amendments to Divisional budget. (6 days)
A. Elsas	- Further work on Peru model. (10 days)	
R.J. Niebuhr	- Further work on econometric model for Malaysia, including simulation exercises. (9 days)	Preparation of memo on Import Classification Project. (1 day)
N.G. Carter	- Uganda: Crop model Jamaica: Structural model Monetary model Import classification (9 days)	Further work on New Zealand import projections paper. Advice on computer. (1 day)
K. Krishnamurty	- Engaged in Bank-Fund Commodity Study (10 days)	
G. Zaidan	-	Work on Colombia Work on guidelines for the treatment of population in Bank economic reports (10 days)
<u>Research Assistants</u>		
Dawn Elviss	- Assistance to Mr. Carter: Jamaica model (5 1/2 days) Import classification (1/2 day) Assistance to Mr. Niebuhr Malaysia model (4 days)	

February 16, 1968

Research Assistants

W.L. van der Valk - Assistance to Mr. Carter:
Jamaica model simulation (6½ days)
Uganda crop model (1 day)
New Zealand import projections (1 day)

Assistance to Mr. Kisaas:
Proofing of India planning models draft (1 day)

Assistance to Mr. Krishnamurty:
Proofing of international savings comparisons
draft (½ day)

M.A. Shahi - Seconded from elsewhere in the Department to work
with Messrs. Krishnamurty and Goreux of the
Bank/Fund Commodity Study.

Draft study entitled, "Planning Models for India"
prepared by Mr. Atle Kisaas was distributed to the
Economic Committee for comment on February 13.

EHawkins/w

cc: Messrs. Stevenson, de Vries, Bhatia, Nisbahr, Carter, Krishnamurty and Zaidan

Mr. H. G. van der Tak

February 16, 1968

Jochen Schmedtje *JL*

Activities of Investment Planning Division, February 1-15

- Abe (YP) : Continued work on study of optimum depth of ports (6 days).
Miscellaneous (1 day). Sick leave (4 days).
- Carnoy
(Consultant) : Away on mission to Kenya.
- Davis : Worked for Middle East Task Force (6 days) and on other tourism
matters (4 days). Sick leave (1 day).
- de Weille : Away on mission to Argentina.
- Husain (YP) : Continued work on risk analysis for the Agriculture Division,
Projects Department (full time).
- Lall : Continued work on study of project evaluation in inflationary
conditions (5 days). Reviewed and commented on draft appraisal
reports regarding an education project in Malaysia (2 days) and
a power project in Ghana (2 days). Sick leave (2 days).
- Merox : Continued work on linear programming model for an agricultural
project in El Salvador (7½ days). Reviewed and commented on
draft appraisal reports regarding a power project in Sierra
Leone and a water supply project in Malaysia (2½ days). French
lessons (1 day).
- Oury : Revised draft of 4-volume report on agricultural production
models (4 days). Reviewed and commented on the methods for
deriving agricultural production targets used in Pakistan,
(4 days). Miscellaneous (3 days).
- Pouliquen (YP) : Joined the Division on February 5. Worked on port model (4 days)
and road model (3 days) for use in risk analysis. Miscellaneous
(2 days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in
project appraisal (7 days). Reviewed and commented on draft
appraisal reports regarding a road project in Kenya and an agri-
cultural credit project in Peru (2 days). Miscellaneous (1 day).
Spanish lessons (1 day).
- Schmedtje : General supervision.
- Thias : Away on mission to Kenya.

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Abudabbeh (RA) : Continued research on irrigation projects for Mr. Reutlinger
(full time).

Kim (RA) : Continued research regarding data on road maintenance for Mr.
de Weille (9 days). Library research regarding regional agri-
cultural planning models for Mr. Oury (2 days).

cc: Mr. Kamarck
Mr. Stevenson

JSchmedtje:es

Ec Hoff. P.R.

Mr. S. K. Bhatia

February 7, 1968

Jochen Schmedtje *Jch*

Progress Report on Studies in Investment Planning Division

Attached is my progress report on studies in the Investment Planning Division reflecting the position as of January 31, 1968.

attachment

cc: Mr. van der Tak

JSchmedtje:es

Date: January 31, 1968

Investment Planning Division - Progress Report on Studies

Page 1

Title of Study (1)	Brief Description of Study (2)	Estimated Total Man Months Required ^{1/} (3)	Author(s) (4)	Starting Date (5)	Division Draft (6)	Department Draft (7)	Final Paper (8)	Remarks (9)
<u>PART I - Completed during 1967</u>								
1. Present Worth Calculation of Projects: 12 Tables	Calculation of the net present worth of projects of which the benefits grow more or less regularly over time presented in 12 tables.		de Weille Kim					Issued as Economics Dept. Working Paper No. 2, June 1967.
2. Program Windex for the Systematic Calculation of a Weather Index to be Used in Agricultural Production Analysis	Outgrowth of a study exploring the possibilities of deriving agricultural production models for developing countries.		Oury					Issued as Economics Dept. Working Paper No. 3, August 1967.
3. A Review of 62 Road Project Appraisal Reports, 1960 to 1966	Analysis of quantitative information contained in the project appraisal reports.		de Weille Angeles					Issued as Economics Dept. Working Paper No. 5, December 1967.
4. A Cost-Benefit Approach to Educational Planning in Developing Countries	Review of methods currently used in planning educational expenditure, and integration of the methods into a cost-benefit approach.		Blaug (Consultant)					Issued as Economics Dept. Report No. EC-157, December 1967.
5. The Economics of Road User Charges	Development of principles for analysis and policy regarding road user charges.		Walters (Consultant)					Final paper completed in December 1967. Issued as Economics Dept. Report No. EC-158 on January 11, 1968.

^{1/} For Division draft.

...contd.

Date: January 31, 1968

Investment Planning Division - Progress Report on Studies

Page 2

Title of Study	Brief Description of Study	Estimated Total Man Months Required ^{1/}	Author(s)	Starting Date	Division Draft	Department Draft	Final Paper	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<u>PART II - In Progress</u>								
1. Optimum Timing of Investments	Discussion of the question of the optimum point in time at which to undertake investments and presentation of practical guidelines in this regard.	4	de Weille	Nov. 66	Dec. 66	Apr. 68		Division draft completed and being revised.
2. Techniques for Project Appraisal under Uncertainty	Presentation of feasible method for evaluating the riskiness of investments. Shows how quantitative evaluations of riskiness might be used in the context of various decision problems.	6	Reutlinger	Oct. 66	Mar. 67	June 67	Mar. 68	Department draft being revised for circulation to Economic Committee.
3. Project Evaluation in Inflationary Conditions	Analysis of financial and allocative problems caused by inflation.	4	Schmedtje Lall	Oct. 67	Feb. 68			Preliminary draft completed and being reviewed.
4. Public Expenditure Patterns in Developing Countries	Quantitative analysis of government expenditure patterns in relation to GDP per capita for about 40 less-developed countries.	9	(Sharif) Schmedtje	Nov. 65	Apr. 66	Aug. 66	Apr. 68	Being redrafted. Expected to be issued as an Economics Dept. Working Paper in April 1968.
5. Agricultural Production Models for Developing Countries	Exploration of the possibilities of deriving agricultural production models for less-developed countries.	14	Oury	July 66	Dec. 67	Mar. 68		Division draft completed and being reviewed. Study consists of four parts: I - Methodology; II - Evaluation of Past Efforts; III - Time Series Analysis of West Punjab Wheat Production Data: The Case of Lahore District; and IV - Some Factors Influencing Wheat Production in West Punjab. ...contd.

^{1/} For Division draft.

Date: January 31, 1968

Investment Planning Division - Progress Report on Studies

Page 3

Title of Study	Brief Description of Study	Estimated Total Man Months Required ^{1/}	Author(s)	Starting Date	Division Draft	Department Draft	Final Paper	Remarks
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
PART II - In Progress - contd.								
6.A Note on the Economic Benefits of Road Transport Projects	Outline of the conceptual framework and discussion of the problems of measurement of benefits of road transport projects.	4	van der Tak Ray			Sept. 67	Jan. 68	Circulated to Economic Committee for comments in January 1968.
7.Optimum Berth Occupancy in Ports	Methodological study including collection and analysis of data available.	4	de Weille Ray	June 67		May 68		Preliminary draft completed and being discussed.
8.Optimum Depth in Ports	Methodological study including collection and analysis of data available.	4	de Weille Abe	Oct. 67	Mar. 68			
9.Urban Water Demand	Quantitative analysis of water consumption and income data for some 30 cities in less-developed countries.	8	Meroz	June 66	Feb. 67	Feb. 68	Mar. 68	Division draft being edited. Expected to be issued as an Economics Dept. Working Paper in March 1968.
10.Evaluation of Community Water Supply Projects	Definition and measurement of benefits and costs of water supply projects.	6	Schmedtje	July 67	June 68			
11.Kenya Case Study in Educational Planning	Case study on Kenya to test the feasibility of cost-benefit analysis in educational planning.	10	Thias Carnoy (Consultant) Rado (Consultant)	Oct. 67	July 68			Preparatory work completed. Mission in the field. Preliminary draft expected in April 1968.

...contd.

^{1/} For Division draft.

Date: January 31, 1968

Investment Planning Division - Progress Report on Studies

Page 4

Title of Study (1)	Brief Description of Study (2)	Estimated Total Man Months Required ^{1/} (3)	Author(s) (4)	Starting Date (5)	Division Draft (6)	Department Draft (7)	Final Paper (8)	Remarks (9)
<u>PART III - Planned</u>								
1. Investment Planning in the Tourism Sector	Development of a cost- benefit framework for evaluating investments in the tourism sector.	4	Davis					<u>Object:</u> Such a framework is needed as an analytical basis for possible Bank operation. <u>Remarks:</u> Tentative starting date: June 1968.
2. Transport System Analysis	Inventory and analysis of existing transport models.	8	de Weille					<u>Object:</u> Such a study appears timely as the use of models in transport planning is rapidly increasing. <u>Remarks:</u> Starting date de- pending on availability of suitable co-author.
3. Appraisal of Road Main- tenance Projects	Methodological study including collection and analysis of data available.	4	de Weille					<u>Object:</u> Undertaken in re- sponse to suggestion from the Transport Division of the Projects Dept. <u>Remarks:</u> Preparatory work started in December 1967.
<u>PART IV - Suspended</u>								
1. The Demand for Power	Revision and updating of Bohr-Sadove paper on same subject prepared in 1957.	5	(Nunez)	Oct. 65				Possible job for consultant being considered.
2. El Salvador Feeder Road End-Use Study	Economic end-use study of IBRD loan 216 ES	12	de Weille Reutlinger					Preparatory work completed; execution indefinitely postponed.

^{1/} For Division draft.

Mr. Alexander Stevenson

February 7, 1968

Arthur E. Tiemann *awj*

Progress Report - Professional Staff - 2nd half January 1968

The professional staff under my supervision performed the following activities during the last half of the month of January, 1968:

General Statistics Section

A. Kundu:

1. Computer programs for Messrs. Avramovic (Price Stabilisation Study) and Spencer (Discounted repayments on various types of loans).
2. Extensive discussions with Mr. Goreux on Buffer Stock Model and time series analysis (stationary process etc.).
3. Discussion with Mr. Sundrum on Price Stabilisation Study.
4. Discussion with Mr. Oury on computer print out of DAM regression sub-routine.
5. Memo to Mr. de Vries on "Statistical Services Division's Study of Bids".
6. General supervision of the Section.

H. Al-Sharbati:

1. Mathematical model of road reconstruction costs for Messrs. Thalwitz and Abbate.
2. Collection of data and computer programs for Mr. Datas-Panero and discussion of results.
3. Attending a course in writing.
4. Writing a program for Olivetti-Underwood.

External Debt Section

H. Paulson:

1. Preparation of paper for the Ad-Hoc Committee of Financial Statisticians raising questions to be considered on Foreign Capital Markets; and Statistical Annexes.
2. Meetings with OECD representative on the Expanded Reporting System.
3. Preparation of memorandum for Mr. Rist on Bulgaria's defaulted debt.
4. General supervision of Section.

External Debt Section (Cont.)

C. Slappey:

1. Preparation of two reports for External Debt Review Committee; participation in committee meeting.
2. Preparation for and participation in meetings with Mr. Stein of OECD on problems involved in creditor reporting system (processing, preparation for annual review, specific country reports).
3. Briefed Mr. Goor on peculiarities of IBRD loans and contents of our files. Worked out method and gave instructions for projecting loans net of sales.

D. Hedley:

1. In connection with projected trip to West Africa:
 - a. Discussions with Mr. Lan on itinerary in West Africa.
 - b. Obtained three alternative itineraries from Travel Office and requested that office to make the necessary reservations for final itinerary.
 - c. Wrote terms of reference and travel authorizations.
2. On request of External Debt Review Committee:
 - a. Estimated, in collaboration with other supervisors, the saving of Statistical Assistants' time in processing debt data if countries reported annually instead of semi-annually.
3. Writing of memoranda analysing country reports:
 - a. Studied and re-wrote memoranda to Area Departments concerned memoranda on the following countries:
 - Tunisia, Senegal, Sudan, Ethiopia,
 - Ivory Coast and Afghanistan.
 - b. Checked Area draft letters to several countries, in English or French.
4. Discussions with staff members outside External Debt Section:
 - a. With Mr. J. Pegues, of the Fund, discussed debt data he had obtained on his recent mission to Guinea.
 - b. With Mr. Hammel of the Africa Department, discussed inadequacy of the debt refinancing data he obtained in Ghana, and discussed what we should now request of the authorities.
 - c. Discussed with Programming Section the updating and correction of currency conversion cards and bank rate cards.

External Debt Section (Cont.)

D. Hedley (Cont.)

5. Setting up procedures of External Debt Section:
 - a. Drafted a letter to countries concerned to implement proposed approach to the problem of frame agreements. Discussed same with other supervisors.
6. General supervisory duties.

G. Constantinopoulou:

1. Chile - preparation of debt tables as of Dec. 31, 1966 with major reported additions to Dec. 31, 1967 (rush job).
Analysis and discussion of the external borrowing in 1967 with Mr. Quijano from Area Department.
2. Greece - Research and study of bond settlements.
3. Preparing for mission to Mexico.
4. Italy - memorandum to Area Department on the debt reports received from Italy.
5. Israel - research and study of coupons and savings bonds.
6. Study of agreements of lines of credits and revolving credits.
7. General supervisory duties.

Activities of the Programming Section will be provided in subsequent reports.

My own activities, in addition to administration and supervision of the Division and review of the work performed, consisted of advising various staff members in the Economics and Projects Departments on statistical matters; participating in meetings with Berne Union representatives; and conducting extensive discussions with Bevan Stein of OECD on the Expanded Reporting System.

cc: Mr. Bhatia
AETiemann:ra

- Prog Rep

Mr. J. H. Collier

February 6, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
January 16-31, 1968

World Tables

1. Seven Tables have been completed and printed. A first draft of the general notes to each of these seven Tables has been prepared. It is expected to effect the circulation of the Tables by next week.

Country Economic Briefs

2. The preparation of the briefs is progressing. All the research assistants are working on it. The first batch of briefs will be sent to the departments this week.

Indonesia Mission

3. The analytical chapter on the national accounts was revised on the basis of comments received, and submitted to the Asia Department. The first draft of a methodological chapter on national accounts of Indonesia was prepared and submitted.

4. The preparation was continued of a draft report on Indonesian statistics, occupying most of the time of the Division Chief.

5. The Division Chief and Mr. Novak attended several meetings of the Indonesian Mission.

ELevy:eb

cc: Mr. A.M. Kamarck
Mr. A. Stevenson

Mr. A. Stevenson through Herman G. van der Tak

February 6, 1968

M.A. Sreedhar *MS*

Principal Activities of the Industrialization Division - January 16-31.

- Sreedhar:
 1. General supervision.
- Baranson:
 1. Completed work on the Automotive Industries study. (6 days)
 2. Worked on Middle East Task Force. (6 days)
- Cilingiroglu:

Pakistan Mission.
- Datas:

Philippines Mission.
- Nowicki:
 1. Completed revisions of the paper on "French Economic Thinking and Research on Development". (1 1/2 days)
 2. Prepared for Colombian Mission. (3 days)
 3. Commented on the industry chapter of the Economic Mission Report on Senegal. (1/2 day)
 4. Commented on the Guinea request for UNDP regional survey in the Boké region. (1/2 day)
 5. Briefed Mr. Rist on some economic problems of Eastern Europe. (1/2 day)
 6. Attended Spanish course (2 hours daily). (3 days)
 7. Attended the Effective Writing Course.
- Schrenk:
 1. Completed Indonesia Mission work. (8 days)
 2. Prepared for Singapore Mission. (3 days)
 3. Attended Reading Improvement Course. (1 day)
- Villela:
 1. Prepared for Yugoslavia Mission. (4 days)
 2. Worked for EDI. (8 days)
- Martinez: (RA)
 1. Helped Mr. Datas in revising study on "The Demand for Steel".
 2. Collected data for Mr. Sreedhar on capital labor ratios in the manufacturing sector.
 3. Worked for Mr. Sreedhar on information system in the Division.
 4. Assisted Mr. Baranson on the Automotive Industries study.
 5. Sick leave. (1/2 day)
- May: (RA)
 1. Worked on statistics of trade in heavy mechanical equipment for Mr. Walstedt.
 2. Assisted Mr. Baranson on Automotive Industries study.
 3. Collected material on the Middle East for Mr. Baranson.

4. Collected data on the Steel Industry for Mr. Walstedt and for Mr. Sreedhar.

Turay: (RA)

1. Collected data on capital investment in manufacturing industries in developing countries, for Mr. Sreedhar.
2. Took Annual leave. (3 days)

Progress of Studies - January

During January, the following Division studies were completed:

- (1) Economics of Heavy Electrical Equipment Manufacture in Developing Countries by Mr. Ayhan Cilingiroglu - issued as EC/O/68-8 of January 12 to the Economic Committee.
- (2) Pulp and Paper Industry: A Background Paper by Mr. Jose Datas-Panero - Division Draft completed on January 9.

(In future reviews, information on studies completed, if any, in the relevant two-week period only will be indicated).

MAS:ph

cc: Industrialization Division.

Mr. G. Kalmanoff

February 6, 1968

John Hulley

Progress Report - January 15-31

Major Studies

Other Activities

J. Hulley:

- a) Working Party on IDA Replenishment;
- b) External Debt Review Committee;
- c) administration and supervision. (12 days)

P. de Fontenay:

On mission

V. Dubey:

- a) Protection of Capital Goods Production in Developing Countries;
- b) Suppliers' Credits by Developing Countries. (6 days)

- a) IDA Replenishment;
- b) memo on Statistics Division Study of Bids. (6 days)

S. Kao:

- a) Multilateral Development Institutions. (7 days)

- a) Updating of table and drafting of memo to Area Departments on purchases by Central Banks and Governmental agencies of February 1968 issue of 2-year bonds;
- b) drafted note for Mr. Stevenson on item XIX of salient points made by governors at 1967 Annual Meeting. (5 days)

A. Karaosmanoglu: a) Suppliers; Credits by Developing Countries. (1 day)

- a) External Debt Review Committee;
- b) Attended meeting on New Zealand Report
- c) prepared for mission to UAR (11 days).

W. Maane:

- a) Prepared memo on US Balance of Payments measures, especially economic aspects;
- b) prepared table on US Balance of Payments with LDCs;
- c) Briefed country economist for Ethiopia. (12 days)

B. Rao:

- a) Continued work on aid policies of donor countries;
- b) prepared note on possible charts on foreign economic assistance to LDCs.
- c) commented on economic report on Senegal. (12 days)

Mrs. K.J. Hong:

- a) Assisted Mr. Kao on table on Prospective Issue of IBRD 2-year Bonds;
- b) worked on table of outstanding public debts of 12 developing countries, as of Jan. 1, 1967 (for Mr. Karaosmanoglu)
- c) Prepared a memo to Mr. Karaosmanoglu in connection with service payment projections. (10 days)

Prog Rep

Mr. Andrew M. Kamarek

February 6, 1968

E.K. Hawkins

E.K.H.

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending January 31, 1968

Major Studies

Other Activities

E.K. Hawkins

- Discussions on Jamaica project (1/2 day)
- Malaysia model (discussions) 1 day

- General supervision.
- Attendance at rapid reading course.
- Completion of Divisional budget.
- Attendance at Seminar on Transport Economics (8 1/2 days)

A. Elsaas

- Further work on Peru model (9 days)

- Editorial work on study of Indian planning models. (1 day)

R.J. Niebuhr

- Further work on econometric model for Malaysia, including simulation exercises. (10 days)

N.G. Carter

- Uganda: Structural model
Crop model
- Jamaica: Structural model
Monetary model
Import classification.
(6 days)

- Final work on New Zealand import projections paper (Working Paper No. 10 dated January 19, 1968)
- Advice on computer.
- Reprogramming of debt and commodity stabilization models. (4 days)

K. Krishnamurty

- Engaged in Bank/Fund Commodity Study (10 days)

G. Zaidan

-

- Preparation for, and visit to, New York (4 days)
- Final work on paper of benefit-cost of population control (5 days)
- Comments on economic reports of Ceylon and Mauritius (1 day)

February 6, 1968

Research Assistants

Dawn Elvis - Assistance to Mr. Carter:
Further work on Jamaica model (10 days)

W.L. van der Valk - Assistance to Mr. Carter:
Jamaica model simulation (1 day)
Uganda model simulation (1 day)
New Zealand capital out-
put ratios (2 days)

Assistance to Mr. Niebuhr:
Malaysia model reduced form (3 days)

N.A. Shahi - Seconded from elsewhere in the Department to
work with Mr. Krishnaswamy and other members
of the Bank/Fund Commodity Study.

Working Paper No. 10 - A Method for Projecting Exports -
dated January 19, 1968

EKHawkins/v

cc: Messrs. Stevenson, de Vries, Bhatia, Niebuhr, Carter, Krishnaswamy and Zaidan

Mr. Andrew M. Kamarok

February 5, 1968

Arthur E. Tiemann *ed*

Progress Report of Statistical Services Division
for the period January 16 - 31, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	N.E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1</u>	<u>4(1)</u>	<u>1</u>	<u>9(3)</u>	<u>3/1</u>	<u>2(1)</u>	<u>2</u>	<u>16(1)</u>	<u>3</u>	<u>13(3)</u>
Current tables:										
12/31/67	-	-	-	2(2)	-	-	-	-	-	1(1)
9/30/67	-	-	-	-	-	1	-	-	-	-
6/30/67	-	1	1	3	<u>3/1</u>	1(1)	2	5	2	7(2)
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2(1)	-	1	-	-	-	2	1	1
6/30/66	-	-	-	1	-	-	-	-	-	1
12/31/65	-	-	-	1	-	-	-	-	-	1
Historical tables:										
12/31/67	-	-	-	1(1)	-	-	-	-	-	-
12/31/66	1	-	-	-	-	-	-	9(1)	-	2
12/31/65	-	-	-	-	-	-	-	-	-	-

Note: Excludes 11 countries in abeyance; () = number of countries started during the period; 1 = revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Listing new credits granted by CCC July 1 - November 30, 1967	Economics	Completed
5. Preparation of 25-year projections for various countries	Economics	In progress
6. Outline of questions for consideration of ad hoc committee of financial statistics, OECD	Economics	Completed

February 5, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. H.	In progress
8. Brazil - checking debt reports	W. H.	In progress
9. Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967	W. H. (Ross)	In progress
10. Colombia - preparation of table showing external public debt outstanding as of June 30, 1967	W. H. (Teigeiro)	In progress
11. Guinea - preparation of memorandum on debt submission as of June 30, 1967 and December 31, 1966	Africa	In abeyance
12. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967-	Africa	In abeyance
13. Estimation of soft and hard loans to East African countries granted in 1964 through 1967	Africa	Completed
14. Tanzania - preparation of memorandum on external debt reports	Africa	Completed
15. Senegal - preparation of memorandum on debt submission as of Dec. 31, 1966	Africa	Completed
16. Ivory Coast - preparation of amortization schedule of a proposed IBRD loan	Africa	Completed
17. Italy - preparation of memorandum on debt submission as of June 30, 1967	Europe	Completed
18. Austria - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
19. Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
20. Finland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress

Mr. Andrew M. Kamarok

- 3 -

February 5, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Morocco - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	In progress
22. Ethiopia - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	Completed
23. Ghana - preparation of memorandum on debt submission as of Dec. 31, 1966	M.E. & N.A.	In progress
24. Afghanistan - preparation of memorandum on external debt reports	Asia (Kaupisch)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
3. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	Completed.
4. Moderately complicated regression analysis: and data collection (Price Stabilisation Study): i) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
ii) exports of principal primary com- modities for 20 countries from 1953-65	(Pres.Off.(Avramovic) Ec. (Goreux)	In progress
5. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In abeyance
6. Moderately complicated regression analysis: Steel consumption study - interrelation- ship of consumption to GNP, price, indus- trial manufacturing, etc. for 1955 and 1963; also forecasting 1963 figures on the basis of 1955 equations	Ec. (Datas-Panero)	Completed
7. Simple regression analysis: Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975	Ec. (G. Singh)	In progress
8. Simple calculations: Data regarding bond yields	Ec. (Kao)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Simple regression analysis: Aluminum demand - the world - Calculations on revised data	Proj. (Huang)	In progress
10. Simple calculations: Discounted repayments of various types of loans by different rates of opportunity costs for comparison purposes	Proj. (Spencer)	In progress
11. Complicated analysis: Disbursement patterns of IRRD loans by pur- pose and projections	Proj. (Chadenet)	In progress
12. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
13. Simple calculation of data: Portugese Mission - collection of commodity prices	Proj. (Willems)	Completed
14. Rate of return calculations: East African livestock	Proj. (Schumacher)	Completed
15. Moderately technical statistical analysis: Mathematical model of road reconstruction costs	Proj. (Thalwitz, Abbate)	Completed
16. Moderately complicated data collection and calculations: Electric power data-world by country and group - installed capacity per capita pro- duction in 1964 and 10-year average annual growth rates for production capacity	Ec. (Geor) Proj. (Spottswood)	Completed
17. Moderately complicated data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
18. Simple data collection and calculations: Exports of goods and services to all LDC for 1965, 1960, 1963, 1966 and calculations of debt service ratios	Pres.Off.(Friedman)	Completed
19. Simple calculations: India - detailed imports of commodities by SITC from specific countries	Asia (Neuner)	Completed

February 5, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated data handling: Korean Mission - statistical material for report	Asia (Jansen)	Completed
21. Simple tabulations: India - IBRD and IDA loans by purpose	Asia (Votaw)	Completed
22. Simple collection of data: East Africa - collection of commodity prices and seasonal indices	Adm. (Shourie)	In progress
23. Simple checking: Republic of Chad - checking different tables and figures	Afr. (Booz)	Completed
24. Simple tabulations: Central African Republic - updating various tables for fiscal expenditures, current expenditures, investment expenditures for 1960-67	Afr. (Booz)	In progress
25. Moderately complicated data collection and calculations: IBRD and IDA disbursements in Canada Sept.-Dec. 1967 by supplier, goods, amount (including separation of vouchers)	Treas. (Jones)	Completed
26. Simple tabulations: IBRD and IDA disbursements in Austria, 1966 and 1967	Ex. Director (Haushofer)	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 progress
2. Complex simulation of lighterage facilities in port activity	Proj.(Pouliquen)	In progress
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj.(Pouliquen)	In progress
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	
5. 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.(Stat.Service)	In abeyance
6. Modifications to multiple regression program (DAM)	Ec.(Gury)	In progress
7. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec.(Stat.Service)	In progress
8. Debt model	Ec.(de Vries)	In progress
9. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec.(N.Carter,Niebuhr)	In progress
10. Simple computer programs to calculate the optimum timing of construction of Niger road system	Proj.(Thalwitz)	Completed
11. Livestock Development program - special case of fattening	Proj.(Hussein)	In progress
12. Moderately complex revisions in the financial forecasting program prepared in IFC in 1967	IFC (Wessels)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Colombia - population pyramid and births prevented and savings on primary education - 5 charts	Proj. (Eklund)	Completed
2. Analysis of the operations of the Projects Department - 2 charts revised	Proj. (Johnson/Chadenet)	Completed
3. Brazil - 4 organization charts revised	Proj. (Schaefer)	In progress
4. 9 Malaysia charts revised	Proj. (Maffahin)	In progress
5. Colombia - Empresa de Energia Electrica de Bogota chart	Proj. (Arnold)	Completed
6. Indian Railways chart	Proj. (Roth)	Completed
7. Niger - organization chart	Proj. (Ludwig)	Completed
8. Typical decision flow diagram	Proj. (Robertson)	On hand
9. Sudan - mechanized farming project organization chart	Proj. (Haynes)	Completed
10. Colombia - 6 educational charts	Proj. (Hultin)	Completed
11. Tea - London Anchin Price for teas	Ec. (Elz)	Completed
12. Per capita consumption of aluminum and per capita GNP of selected countries	Ec. (Hunter)	Completed
13. Steel Production - 1 chart revised, 1 chart sketch	Ec. (Datas)	In progress
14. One diagram	Ec. (Zaidan)	In progress
15. West Pakistan - 2 charts (sketches)	IFC (Dixon)	In progress
16. Loans to L.A. display charts	W. H. (Alter)	On hand
17. Rwanda - educational pyramid	Afr. (Wilkinson)	Completed

B. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

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).

cc: Mr. Stevenson
/ms

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

Country	Projection and Date	Historical and Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In progress
Israel	12/31/66 (new)	-	-	In progress
Jordan	-	12/31/66	-	Completed
Morocco	12/31/66; 6/30/67	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/67(new)	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSSO	6/30/67	-	-	Completed
Ghana	12/31/66	-	-	In abeyance
Ivory Coast	6/30/67	-	-	In abeyance
Liberia	12/31/65; 12/31/66	-	-	In progress
"	6/30/66; 6/30/67	-	-	In progress
Mali	6/30/67	-	-	In progress
Nigeria	6/30/67	-	-	In progress
Tanzania	12/31/67(new)	12/31/67(new)	-	In progress
<u>ASIA</u>				
Australia	6/30/67	-	-	Completed
India	9/30/67	-	-	In progress
Indonesia	6/30/67	-	-	Completed
Japan	6/30/67(new)	-	-	In progress
Singapore	6/30/67(rev.)	-	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
Denmark	-	12/31/66	-	In progress
Finland	6/30/67	-	-	Completed
Greece	12/31/66; 6/30/67	12/31/66(new)	-	In progress
Iceland	6/30/67	-	-	Completed
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66	-	In progress
Norway	-	12/31/66	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Turkey	12/31/66; 6/30/67	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67	-	-	In progress
Chile	12/31/65; 6/30/66	-	-	In progress
"	6/30/67(new)	-	-	In progress
"	12/31/66	-	-	Completed

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

Country	Projection and date	Historical and date	Requested by	Status
WESTERN HEMISPHERE (CONT.)				
Colombia	6/30/67	-	-	In progress
Costa Rica	6/30/67	-	-	Completed
Ecuador	6/30/67	-	-	In progress
El Salvador	6/30/67	-	-	In progress
Haiti	12/31/63; 12/31/64	-	-	In abeyance
"	6/30/65; 6/30/66;	-	-	In abeyance
"	12/31/66	-	-	In abeyance
Jamaica	6/30/67	-	-	In progress
Mexico	-	12/31/66	Ross	In progress
Nicaragua	6/30/67(new)	-	-	In progress
Panama	12/31/67(new)	-	-	In progress
Paraguay	6/30/67	-	-	Completed

Statistical Services Division
Economic Department
February 5, 1968

Mr. Andrew M. Kamarck

February 4, 1968

E.K. Hawkins



Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending March 1, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Preparation of review paper on Malaysia. (3 days)	General supervision. Sick leave (2 days) (4 days)
A. Elsas	- Further work on Peru model. (9 days)	Spanish class
R.J. Niebuhr	- Further work on econometric model for Malaysia, including simulation exercises. (9 days)	Spanish language class
N.G. Carter	- Uganda: Crop model Jamaica: Structural model Monetary model Import classification (7 days)	Further work on New Zealand import projections paper. Advice on computer (2 days)
K. Krishnamurty	- Engaged in Bank-Fund Commodity Study (9 days)	
G. Zaidan	-	Revision of guidelines for the Treatment of Population in Bank Economic Reports (9 days)

Research Assistants

Dann Elvis - Assistance to Mr. Carter:
Jamaica model (7 1/2 days)

Assistance to Mr. Niebuhr
Malaysia model (1 1/2 days)

W.L. van der Valk - Assistance to Mr. Carter:
Jamaica model simulation (5 days)
New Zealand import projections (1 day)
Jamaica Macroeconomic model (3 days)

M.A. Shahi - Seconded from elsewhere in the Department to work with Messrs. Krishnamurty and Caroux of the Bank/Fund Commodity Study.

EKHawkins/w

cc: Messrs. Stevenson, de Vries, Bhatia, Niebuhr, Carter, Krishnamurty & Zaidan

Ec Staff

Mr. H. G. van der Tak

February 2, 1968

Jochen Schmedtje *Jh*

Activities of Investment Planning Division, January 16-31

- Abe (YP) : Continued work on study of optimum depth of ports (9 days). Collected relevant data (3 days).
- Carnoy (Consultant) : Away on mission to Kenya.
- Davis : Worked on tourism questions for Middle East Task Force (7 days), Trinidad and Tobago Working Party (1 day), and with respect to Ethiopia, Peru and Mexico (2 days). Final revision of Ceylon tourism report (2 days).
- de Weille : Away on mission to Argentina.
- Husain (YP) : Continued work on risk analysis for the Agriculture Division, Projects Department (full time).
- Lall : Continued work on study of project evaluation in inflationary conditions, and completed preliminary draft (9 days). Reviewed and commented on draft appraisal report regarding an education project in Ecuador (3 days).
- Meros : Worked on linear programming model for an agricultural project in El Salvador (5 days). Reviewed and commented on three draft appraisal reports concerning one telecommunications project in Papua and New Guinea, and two power projects in Honduras and Guatemala respectively (5 days). French lessons (1 day). Sick leave (1 day).
- Oury : Completed draft summary of his 4-volume draft report on agricultural production models (4 days). Reviewed and commented on two draft appraisal reports regarding agricultural projects in Kenya and Pakistan (4 days). Miscellaneous (3 days). Sick leave (1 day).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project appraisal (5 days). Reviewed and commented on draft appraisal report regarding an agricultural project in Peru (2 days). Miscellaneous (3 days). Spanish lessons (2 days).
- Schmedtje : Prepared the Division's budget for 1968/69. General supervision.
- Thias : Away on mission to Kenya.

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- Abudabbeh (RA): Computations and tabulations for Kenya Case Study in Educational Planning (7 days). Research on irrigation projects for Mr. Reutlinger (3 days). Sick leave (2 days).
- Kim (RA) : Completed data catalog for wheat and cotton, Lahore district and whole of West Punjab for Mr. Oury (6 days). Continued research begun by Mr. Turay regarding data on road maintenance for Mr. de Weille (6 days).
- Turay (RA) : Annual and sick leave (4 days). Transferred to Industrialization Division on January 22.

Studies
completed : None.

cc: Mr. A. M. Kamarck
Mr. A. Stevenson

JSchmedtje:es

Mr. J. H. Collier

February 1, 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, Jan. 16-31, 1968

Major Studies

Messrs. Churchill, Huber (temporarily assigned from the Western Hemisphere Department) and Walters (Consultant) continued work on the Central American Road User Charges Study.

Mr. Abbate (Young Professional) - completed work stemming from his previous assignment to the Young Professional programme (9 days); continued his study of agricultural taxation in India (3 days).

Country Mission Work

Mr. Nolsen - left Washington for Portugal on January 13 as a member of the economic mission to that country and is expected to return on February 6.

Mr. Christoffersen - left Washington January 2 for Pakistan as a member of the economic mission to Pakistan and to undertake work relating to the Department's study of the institutional financing of agriculture.

Mr. Anselle (Young Professional) - left Washington January 4 as a member of the economic mission to Pakistan and to undertake field work relating to the Department's study of agricultural taxation.

Mr. Sciolli - completed his contribution to the report of the economic mission to Tunisia (8 days); preparatory work in connection with his membership in the forthcoming economic mission to Egypt. (4 days)

Mr. Edlund - has been undertaking preparatory work for his assignment to the economic mission to the Philippines (8 days); departed Washington on January 26 for the Philippines.

Other Activities

Mr. Beier - has been preparing a paper relating to the forthcoming discussions to be held with officials in Spain relating to the studies being undertaken by them on transport coordination (11 days).

Mr. Churchill - Spanish class (1 hour each day).

Mr. Basoah - (On home leave)

Mr. Please - preparatory work for the economic mission to the Philippines; general supervision of Division activities. Departed Washington January 23 for the Philippines via New Delhi and Pakistan.

Research Assistants

Miss Dacumos - preparation of data relating to fiscal developments in the Philippines (8 days); work connected with the Central American Road User Charges study (4 days).

Miss Maldau - work connected with the Central American Road User Charges Study (12 days).

AChurchill/lo 

cc: Messrs. Kamarek and Stevenson

Mr. Herman van der Tak

February 1, 1968

Bertil Walstedt

Progress Report - January 16 - 31

1. I spent most of my time working on the final draft of the Heavy Mechanical Equipment Report, completing a first draft of Chapter II.
2. In addition, I spent about three days on a note that I am writing with reference to Professor Bruton's report on "Productivity and Development in Latin America."



Bertil Walstedt

cc: Mr. Kanarck
Mr. Stevenson

Mr. A. Stevenson

February 1, 1968

H. G. van der Tak

Monthly Report of Activities - January 2-31

Most of my time was spent on general supervision including personnel review and budget preparation. I attended five transport seminars organized by the Department and prepared for an Economic Working Party on Senegal which is to meet today. The paper, The Economic Benefits of Road Transport Projects which I co-authored with Mr. Ray was circulated to the Economic Committee on January 19.

van

HGvdT:zmc

cc: Mr. Kamarck

Ec Staf P.R

Mr. Jochen Schmedtje

January 31, 1968

H. David Davis *HD*

Progress Report January 16 - 31

1. Middle East Task Force (7 days).
2. Final revisions of Ceylon tourism report (2 days).
3. Trinidad & Tobago Working Party (1 day).
4. Consultations on tourism questions with respect to Ethiopia (Bank) and Peru and Mexico (IFC) and other tourism matters (2 days).

Mr. Andrew M. Kamarck

January 31, 1968

Guy H. Orcutt *G.H.O.*

Monthly Report of Activities

I am currently preoccupied with building a model for use as a management tool in development of International Bank for Reconstruction and Development liquidity policy. This work is being done for Vice President Aldewereld.

During the month the following papers were revised for publication and distribution to those that might be interested.

1. INCENTIVE AND DISINCENTIVE EXPERIMENTATION FOR INCOME MAINTENANCE POLICY PURPOSES
2. An Appendix to INCENTIVE AND DISINCENTIVE EXPERIMENTATION FOR INCOME MAINTENANCE POLICY PURPOSES
3. DATA AGGREGATION AND INFORMATION LOSS
4. FIRST ORDER AUTOREGRESSION: INFERENCE, ESTIMATION AND PREDICTION

GH Orcutt

Attachment (4)

Mr. Andrew M. Kamarok

January 23, 1968

Arthur E. Tiemann *awj*

Progress Report of Statistical Services Division
for the period January 1 - 15, 1968

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	M.E. & N.A.		Africa		Asia		Europe		W. H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>1</u>	<u>6(1)</u>	<u>6</u>	<u>8(4)</u>	<u>-</u>	<u>3(1)</u>	<u>3</u>	<u>17(2)</u>	<u>2/1</u>	<u>15(1)</u>
Current tables:										
9/30/67	-	-	-	-	-	1(1)	-	-	-	-
6/30/67	1	1	4	4(1)	-	2	1	7	1	8(1)
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	1	1	2(1)	-	-	1	2(1)	<u>1/1</u>	2
6/30/66	-	1	-	1(1)	-	-	-	-	-	1
12/31/65	-	-	-	1(1)	-	-	-	-	-	1
Historical tables:										
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	1(1)	1	-	-	-	1	8(1)	-	2
12/31/65	-	-	-	-	-	-	-	-	-	1

Notes: Excludes 10 countries in abeyance; () = number of countries started during the period; 1 = revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Preparation of time series on IBRD, IDA and IFC activities, 1961-67	Ec. (Tiemann)	Completed
5. Preparation of 25-year projections for various Asian and African countries	Economics	In progress
6. Research into status of post-war settlement by Rumania, Czechoslovakia and Hungary	Pres.Off.(Rist)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. H.	In progress
8. Brazil - checking debt reports	W. H.	In progress
9. Dominican Republic - preparation of memorandum on debt submission as of June 30, 1967	W. H. (Ross)	In progress
10. Colombia - preparation of table showing external public debt outstanding as of June 30, 1967	W. H. (Teigeiro)	In progress
11. Guinea - preparation of memorandum on debt submission as of June 30, 1967 and December 31, 1966	Africa	In abeyance
12. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967	Africa	In abeyance
13. Ivory Coast - preparation of memorandum on debt submission as of June 30, 1967	Africa	Completed
14. Checking OECD creditor source external debt reports on various African countries	Africa	Completed
15. Italy - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
16. Swaziland - preparation of memorandum on debt submission as of June 30, 1967	Europe	Completed
17. Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
18. Finland - preparation of memorandum on debt submission as of June 30, 1967	Europe	In progress
19. Morocco - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	In progress

Mr. Andrew M. Kamarek

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January 23, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Tunisia - preparation of memorandum on debt submission as of June 30, 1967	M.E. & N.A.	Completed
21. Preparation of 18 amortization schedules and discounting thereof on various items	M.E. & N.A.(Golden)	Completed
22. Ghana - preparation of memorandum on debt submission as of Dec.31,1966	M.E. & N.A.	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec.(Hawkins, Carter)	In progress
2. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
3. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	Completed
4. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress
5. Moderately complicated regression analysis and data collection (Price Stabilisation Study): i) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
ii) exports of principal primary commodities for 20 countries from 1953-65	(Pres.Off.(Avramovic) Ec. (Goreux)	In progress
iii) miscellaneous calculations on price data	Ec. (Elz)	Completed
6. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In abeyance
7. Moderately complicated data collection: Portugal - Export and import trade with selected countries for the years 1956, 1960, 1964, 1965, 1966 by SITC and ISIC classifications	Ec. (Balassa)	Completed
8. Moderately complicated regression analysis: Steel consumption study - interrelationship of consumption to GNP, price, industrial manufacturing, etc. for 1955 and 1963; also forecasting 1963 figures on the basis of 1955 equations	Ec. (Datas-Panero)	In progress

Mr. Andrew M. Kamarck

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January 23, 1968

	<u>Requested by</u>	<u>Status</u>
9. <u>Work</u> Simple regression analysis: Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975	Ec. (C. Singh)	In progress
10. Simple regression analysis: Central American road study - relations between maintenance cost and traffic volume	Ec. (Churchill)	Completed
11. Simple calculations: Colombia - (i) calculate age groups by sex for 1965 and 1975 (ii) rate of return on an educational project	Ec. (Eklund)	Completed
12. Simple calculations: Calculating per capita flow of foreign aid to LDC's 1950-64 by country and year	Ec. (Karasmanoglu)	Completed
13. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Chadenet)	In abeyance
14. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
15. Simple calculation of data: Portugese Mission - collection of commodity prices	Proj. (Willems)	In progress
16. Simple calculations: Transportation study - calculation of indices on traffic movement on various roads during 1960-65	Proj. (Bronfman)	Completed
17. Rate of return calculations: (i) miscellaneous (ii) miscellaneous (iii) Sudan Irrigation project	Proj. (Schaefer-Kehmert) Proj. (Sensly) Proj. (Malone)	Completed Completed Completed
18. Moderately complicated data collection and calculations: Electric power data-world by country and group - installed capacity per capita production in 1964 and 10-year average annual growth rates for production capacity	Ec. (Geor) Proj. (Spottswood)	In progress
19. Moderately complicated data search and calculations: New Zealand report	Pres. Off. (Kochav)	In progress

January 23, 1968

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Moderately complicated data handling: Korean Mission - statistical material for report	Asia (Jansen)	In progress
21. Simple calculations: India - commodity trade by individual country and area	Asia (Neuner)	Completed
22. Simple collection of data: East African- collection of commodity prices and seasonal indices	Adm. (Shourie)	In abeyance
23. Complicated mathematical calculations: Formulae for rate of return calculations from various models of cash flow	Afr. (Golden)	Completed
24. Simple tabulations: Central African Republic - updating various tables for fiscal expenditures, current expenditures, investment ex- penditures for 1960-1967	Afr. (Boos)	In progress
25. Moderately complicated calculations: Ratio of capital to employment in 20 industries in 5 Latin American countries	W. H. (Lerdau)	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 progress
2. Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In progress
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
4. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. 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. (Stat. Serv.)	In abeyance
6. Modifications to multiple regression program (DAM)	Ec. (Gury)	In progress
7. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat. Serv.)	In progress
8. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N. Carter, Niebuhr)	In progress
9. Simple program to produce tables of IBRD and IDA commitments by purpose and country or group of countries	Ec. (Stat. Serv.)	Completed
10. Revisions to Livestock Development Program	Proj. (Husain)	In progress

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Colombia - Population pyramid and births prevented and savings on primary education - 5 charts	Proj. (Eklund)	In progress
2. Colombia - Bogota Water Supply Project - 2 charts revised	Proj. (Krombach)	Completed
3. Analysis of the operations of the Projects Department - 8 charts	Proj. (Johnson/Chadenet)	Completed
4. Colombia - 6 charts	Proj. (Hultin)	Completed
5. Thailand - State Railways chart	Proj. (Spencer)	Completed
6. Niger - organization chart	Proj. (Ludwig)	On hand
7. Indian Railways chart	Proj. (Roth)	On hand
8. Ecuador - Employment Projection revised - 1 chart	Proj. (Lethem)	Completed
9. Colombia - Education Project - 1 chart	Proj. (Thint)	Completed
10. Tunisia - Water Supply Project - 1 chart	Proj. (Thys)	Completed
11. Colombia - 6 educational charts	Proj. (Hultin)	In progress
12. Malawi - revised organization chart	Proj. (Manning)	Completed
13. Fixed Assets/Total Assets	Proj. (Elliot)	Completed
14. Four Debt Service charts	Ec. (de Pontenay)	Completed
15. Korea - 3 charts	Korean Mis. (Hansen/Hui)	Completed
16. Road Transportation Project - 1 diagram	Ec. (Ray)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

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).

cc: Mr. Stevenson
/ms

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

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	-	-	In progress
Jordan	-	12/31/66(new)	-	In progress
Morocco	12/31/66; 6/30/67	-	-	In progress
Tunisia	6/30/67	-	-	Completed
<u>AFRICA</u>				
Cameroon	6/30/67	-	-	Completed
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSO	6/30/67	-	-	In abeyance
Ghana	12/31/66	-	-	In progress
Ivory Coast	6/30/67	-	-	In progress
Liberia	12/31/65 & 66(new);	-	-	In progress
"	6/30/66 & 67(new)	-	-	In progress
Malawi	6/30/67	-	-	In progress
Nigeria	6/30/67	-	-	In progress
Rhodesia	6/30/67	-	-	Completed
Rwanda	6/30/67	-	-	Completed
Senegal	12/31/66	-	-	Completed
Zambia	6/30/67	12/31/66	-	Completed
<u>ASIA</u>				
Australia	6/30/67	-	-	In progress
India	9/30/67(new)	-	-	In progress
Indonesia	6/30/67	-	-	In progress
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
Denmark	-	12/31/66	-	In progress
Iceland	6/30/67	-	-	In progress
Greece	12/31/66(new); 6/30/67	-	-	In progress
Ireland	6/30/67	-	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66	-	In progress
Norway	6/30/67	-	-	Completed
"	-	12/31/66(new)	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Spain	12/31/66	12/31/66	-	Completed
Turkey	12/31/66; 6/30/67	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	-	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67	-	-	In progress
Chile	12/31/65; 6/30/66;	-	-	In progress
"	12/31/66	-	-	In progress

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

Country	Projection and date	Historical and date	Requested by	Status
WESTERN HEMISPHERE (cont.)				
Colombia	6/30/67	-	-	In progress
Costa Rica	6/30/67-	-	-	In progress
Ecuador	6/30/67	-	-	In progress
El Salvador	6/30/67	-	-	In progress
Haiti	12/31/63; 12/31/64;	-	-	In abeyance
"	6/30/65; 6/30/66;	-	-	In abeyance
"	12/31/66	-	-	In abeyance
Jamaica	6/30/67(new)	-	-	In progress
"	12/31/66(rev.)	-	-	Completed
Mexico	6/30/67	12/31/65; 12/31/66	Ross-	In progress
Paraguay	6/30/67	-	-	In progress
Venezuela	6/30/67	-	-	Completed

Statistical Services Division
Economics Department
January 23, 1968

Mr. G. Kalmanoff

January 23, 1968

John Hulley

Progress Report - January 1-15

J. Hulley:

Major Studies

Other Activities

- P. de Fontenay:
- a) Multilateral Development Institutions;
 - b) Multilateral Debt Consolidation. (5 days)

- a) Working Party on IDA Replenishment;
- b) External Debt Review Committee;
- c) Administration. (10 days)

- V. Dubey:
- Protection in Capital Goods Industries, (1 day)

- a) Checked facts and assumptions on Charter of Algiers and drafted memo;
- b) commented on Part 3 of road pricing study;
- c) prepared for UNCTAD II. (5 days)

- a) Worked on IDA replenishment;
- b) comments on Indonesian Report; requested by Mr. Collier;
- c) note on U.S. balance of payments program for 1968;
- d) Editorial Committee meeting. (9 days)

*
S.N. Kao:

- a) Study and comment for Mr. Kamarek on draft paper on "The appraisal of country economic performance";
- b) further work on study of Bank policy understandings with member countries;
- c) began work on table on some factors affecting purchases of March 1968 issue of IBRD 2-year bonds.

A. Karasmanoglu:

- a) Work for External Debt Review Committee
- b) table on Net International Flow of Long-term Capital and Official Donations;
- c) Reading improvement course. (10 days)

W. Maane:

Work on draft memorandum on U.S. balance of payments program for 1968. (10 days)

* Mr. Kao began working with the Division on January 11th.

To: Mr. G. Kalmanoff

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January 23, 1968

Major Studies

Other Activities

B. Rao:

Multilateral Development
Institutions. (3 days)

- (a) Drafted reply to Mr. Madian of the LSE regarding source material for IRRD-IDA operations;
- (b) continued preparation of briefing books on donor country aid programs. (7 days)

U. Garcia-Tobar^{*}

Multilateral Debt
Consolidation.
(7 days)

Mrs. Kai Jin Hong:

- (a) Assistance to Mr. Dubey for projections on IDA replenishment;
- (b) assistance to Mr. Karasmanoglu in connection with unprojected amount of service on external public debt;
- (c) worked on per capita receipts of financial assistance, 1964-66, for Mr. Rao.

Cc: Messrs. Kamarck
Stevenson
Bhatia

7H jh/jb

* Mr. Garcia-Tobar transferred to IFC on January 11th.

Mr. J. H. Collier

January 17, 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, Jan. 1 - 15, 1968

Major Studies

Messrs. Churchill, Huber (temporarily assigned from the Western Hemisphere Department) and Walters (Consultant) continued work on the Central American Road User Charges Study. Departed for further field work in Central America on January 8.

Mr. Abbate (Young Professional) - continued his study of agricultural taxation in India (4 days). Temporarily re-assigned to Projects Department to complete work stemming from his previous assignment to the Young Professional programme.

Country Mission Work

Mr. Holson - continued his preparatory work in connection with the economic mission to Portugal which left Washington on January 13 (8 days). Prepared a paper and engaged in discussions relating to financial development and policy in Brazil (2 days).

Mr. Christoffersen - left Washington January 2 for Pakistan as a member of the economic mission to Pakistan and to undertake field work relating to the Department's study of the institutional financing of agriculture.

Mr. Ansell (Young Professional) - left Washington January 4 as a member of the economic mission to Pakistan and to undertake field work relating to the Department's study of agricultural taxation.

Mr. Scioli - continued the preparation of his contribution to the report of the economic mission to Tunisia and participated in discussions relating to this report (8 days).

Mr. Basoah - completed his contribution to the report of the economic mission to Zambia (8 days), and participated with other members of the mission in discussions with officials of the Metal Climax Company in New York (1 day). Departed for home leave on January 13.

Mr. Eklund - has been undertaking preparatory work for his assignment to the forthcoming economic mission to the Philippines (5 days), and completed his contribution to the report of the Education Division mission to Colombia (5 days).

Other Activities

Mr. Bejar - has been preparing a paper relating to the forthcoming discussions to be held with officials in Spain relating to the studies being undertaken by them on transport coordination (6 days). Prepared a paper on import duties on primary products for Mr. Avramovic (3 days).

Mr. Basoah - French class (1 hour each day).

Mr. Please - participation in country working party on Ceylon; participation in Bank working party on Import Duties on Bank-Financed Projects; preparation of Division budget; preparatory work for the forthcoming mission to the Philippines; interviewing of candidates for Young Professional Program and others; general supervision of Division activities.

Research Assistants

Miss Dacumos - preparation of data relating to fiscal developments in the Philippines (4 days); trends in development and non-development expenditure in Pakistan (4 days); and preparation of public finance tables on Colombia (1 day).

Miss Meldau - work connected with the Central American Road User Charges Study.

SPlease/lc

cc: Messrs. Kazarck and Stevenson

Mr. Herman G. van der Tak

January 17, 1968

M.A. Sreedhar

msd

Principal Activities of the Industrialisation Division - January 2-15

Sreedhar:

General supervision.

Baranson:

1. Continued work on Automotive Industries study to complete draft for presentation to the Economic Committee. (5 days)
2. Worked on the Middle East Task Force. (2 days)
3. Lectured at EDI. (3 days)

Cilingiroglu:

Pakistan Mission.

Datas:

1. Completed a preliminary draft on "The Pulp and Paper Industry". (5 days)
2. Worked on additions and revisions for the study on "The Demand for Steel". (3 days)
3. Prepared for Philippines Mission. (2 days)

Nowicki:

1. Continued work on the Guinea Mission to complete revisions of the green cover report. (2 days)
2. Prepared for discussions on Colombia Mission. (1½ days)
3. Continued revision of the study on French Economic Thinking and Research in Development. (3 days)
4. Reviewed the EEC report "Possibilities of Industrialization in African Countries and in Madagascar" for Mr. Barend de Vries. (1 day)
5. Attended Spanish course (2 hrs. per day)

Schrenk:

1. Continued work on the Indonesia Mission report. (9 days)
2. Participated in Reading Improvement Course. (1 day)

Villela:

1. Completed work on Ceylon Mission. (2 days)
2. Prepared for Yugoslavia Mission. (8 days)

Martinez:

1. Worked for Mr. Sreedhar on calculation of capital labor ratios. (1½ days)
2. Worked with Mr. Datas on revising the study on "The Demand for Steel". (5½ days)

May:

1. Worked on investment and prices in the iron and steel industry, and on some statistical tables on Heavy Mechanical Equipment Manufacture study for Mr. Walstedt. (5 days)
2. Assisted Mr. Cilingiroglu to prepare for Pakistan Mission. (1½ days)

Mr. Herman G. van der Tak

-2-

January 17, 1

3. Assisted Mr. Baranson with editorial of his Automotive Industries report. (2 days)
4. On sick leave. (1 day)

MAS:ph

cc: Mr. A. Stevenson
Industrialization Division.

Mr. Andrew M. Kamarck

January 16, 1968

Bertil Walstedt

Progress Report - January 1 - 15

1. I spent most of my time preparing a sequel to an early note on Economics and Protection of Capital Equipment Industries in Developing Countries, this second part dealing with "Ground Rules for Domestic Preferences in Bank-financed Projects".
2. I also prepared prefaces for the heavy electrical equipment and automotive reports, as well as extensive comments on chapter VIII (a key chapter) in the automotive report. Finally, I wrote a brief comment on the Alcominas Aluminum Project in Brazil.
3. I also started work on the final draft of the heavy mechanical equipment report which has been in abeyance for nearly two months.


 BW:jg

cc: Messrs. Stevenson, van der Tak

Mr. Andrew M. Kamarek

January 16, 1968

E.K. Hawkins *EKH*

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending January 15, 1968

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Discussions on Jamaica project ($\frac{1}{2}$ day)	General supervision. Attendance at rapid reading course. Further discussions on Indian family planning. Preparation of Divisional budget. Attendance at Seminar on Transport Economics (8 $\frac{1}{2}$ days)
A. Elsaas	- Further work on Peru model (9 days)	
R.J. Niebuhr	- Further work on econometric model for Malaysia, including simulation exercises. (9 days)	
N.G. Carter	- Uganda: Structural model Crop model Jamaica: Structural model Monetary model Import classification. (6 days)	New Zealand import projection paper. Advice on computer. Review of debt paper. Programming of debt model. (3 days)
K. Krishnamurty	- Engaged in Bank/Fund Commodity Study (9 days)	
G. Zaidan	-	Further discussions on Indian family planning (4 days). Supply of information to Projects and Area Departments (3 days) Preparation of paper on benefits and costs of population control (2 days)

Research Assistants

Dawn Elvis - Assistance to Mr. Carter:
Jamaica model (9 days)

W.L. van der Valk - Assistance to Mr. Carter:
Uganda Crop Model (2½ days)
Uganda model simulation (2½ days)
New Zealand Projections (1½ days)

Assistance to Mr. Niebuhr:
Malaysia Model Simulation and
Sensitivity Analysis (1½ days)

Assistance to Mr. Hawkins:
Report on Brazil Model (1 day)

EKHawkins/w

cc: Mr. Stevenson

cc: Messrs. de Vries, Bhatia, Niebuhr, Carter, Krishnamurthy and Zaidan

Mr. A. M. Kamarck

January 16, 1968

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
December 16, 1967, to January 15, 1968

World Tables

1. Work was continued on the project. Six tables have now been completed and the seventh is in the final stages of preparation and typing. It is hoped to effect circulation by the end of January.

Country Economic Briefs

2. Revised "Guidelines and Explanatory Notes" to the country economic briefs were completed. What is hopefully the final version of the briefs has been distributed among the Area Departments.

3. Worksheets for the preparation of the briefs have been designed and printed, and the work of data compilation will commence within a day or two.

Indonesia Mission

4. An integrated set of national income accounts for Indonesia was completed and tested for consistency.

The first draft of an analytical chapter based on the revised set of national income accounts, was completed for inclusion in the forthcoming IBRD report.

5. Copies of the tables and the text were sent to the Asia Department and discussed with the economic adviser at a subsequent meeting.

Miscellaneous

6. A set of comparative indicators for selected countries was prepared, at the request of Mr. Friedman.

7. Tables depicting income from tourism, exports of iron ore, exports of petroleum, and annual average growth rates of GDP were prepared at the request of the Director of the Economics Department.

January 16, 1968

8. A revised draft of an article on "National Income Accounting in Developing Countries" was prepared for publication in the Bank-Fund Review.
9. A start was made on the draft of a report of the state of Indonesian statistics for inclusion in the IBRD report.
10. Miss Vial returned from home leave on January 15.

Elvy:eb

cc: Messrs. Stevenson, Collier

Jochen Schmedtje

Activities of Investment Planning Division, January 1-15

- Abe (YP) : Continued work on study of optimum depth of ports (7 days). Reviewed and prepared a note on traffic through the port of Pisco in Peru (2 days). Miscellaneous (1 day).
- Carnoy (Consultant) : Engaged for Kenya case study on the use of cost-benefit analysis in educational planning since December 26, 1967. Prepared questionnaires for sample surveys of labor force and manufacturing establishments and, jointly with Mr. Thias, finalized work program (part-time). Left for Kenya on January 12.
- Davis : Completed draft of Ceylon tourism report (6 days). Worked on tourism questions concerning Trinidad and Tobago (1 day), Peru (1 day) and East Africa (1 day). Other tourism matters (1 day).
- de Wille : Worked on Iranian road reappraisal study (2 days) and, with Mr. Abe, on study of optimum depth of ports (1 day). Attended Seminar for Transport Economists (2 days). Prepared for mission to Argentina (2 days). Miscellaneous (1 day). Left for Argentina on January 11.
- Husain (YP) : Joined the Division on January 15. Continued his present work on risk analysis for the Agriculture Division, Projects Department (1 day).
- Lall : Continued work on study of project evaluation in inflationary conditions (7 days). Sick leave (3 days).
- Meroz : Worked with Mr. Reutlinger on problems of optimal water storage (9 days). French lessons (1 day).
- Oury : Completed a note on problems of measurement relating to commodity price stabilization for Mr. Goreux (2 days). Started preparation of a summary of his 4-volume draft report on agricultural production models (3 days). Supervision of preparation of data catalog by Mr. Kim (1½ days). Miscellaneous (1½ days). Annual leave (2 days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project analysis (4 days). Reviewed two draft project reports (3 days). Miscellaneous (2 days). Spanish lessons (1 day).
- Schmedtje : Attended Seminar for Transport Economists (1 day). Reading Improvement Course (1 day). General supervision.

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- Thias : Collected data for Kenya case study on the use of cost-benefit analysis in educational planning and made final preparations for field work (9 days). Left for Kenya on January 12.
- Abudabbeh (RA) : Assisted Mr. Thias in collecting and processing data for Kenya case study on educational planning (full-time).
- Kim (RA) : Continued work on preparation of data catalog for wheat and cotton, Lahore district and whole of West Punjab for Mr. Oury (full-time).
- Turay (RA) : Collected data on road maintenance for Mr. de Weille (8 days). Annual leave (2 days).

cc: Mr. Kamarck
Mr. Stevenson

Jh JSchmedtje:es

Mr. George Kalmanoff

January 8, 1968

John Hulley

Progress Report - December 16-31

Major Studies

Other Activities

J. Hulley:

- (a) Was member of IERD delegation to Meeting of Deputies on IDA Replenishment in London, December 18-19;
- (b) participated in, and prepared materials for, Working Party on IDA Replenishment;
- (b) administration. (8½ days)

P. de Fontenay: Multilateral Debt Consolidation. (6 days)

- (a) Commented on Study by Council on Foreign Relations on U.S. Balance of Payments and prepared tables on alternative measures of the U.S. deficit, for Mr. Friedman;
- (b) attended AEA meeting. (2½ days)

V. Dubey: Protection of Capital Goods. (4½ days)

- (a) Prepared material on U.S. Balance of Payments for Mr. Friedman;
- (b) worked on questions connected with IDA replenishment. (4 days)

A. Karaosmanoglu: Export credits from developing countries; Outlook for development debt. (4 days)

Work for the External Debt Review Committee. (4½ days)

W. Meene:

- (a) Prepared analytical tables on U.S. Balance of Payments, for Mr. Friedman;
- (b) attended meetings of AEA. (6 days)

B. Rao:

- (a) Memo to Prof. Tamagna on status of foreign currencies held by the U.S. Government;
- (b) memo to Mr. Kochav for transmission to Mr. Jo Saxe of AID on LDC balance of payments;
- (c) draft note on UK aid policies. (6½ days)

U. Gargia-Tobar: Multilateral Debt Consolidation. (8 days)

Preparation of data on U.S. balance of payments. (½ day)

To: Mr. George Kalmanoff

- 2 -

January 8, 1968

Mrs. K. Hong:

Other Activities

- (a) Assisted Mr. Dubey in computation of IDA replenishment projections;
- (b) worked on table of debt service ratio and balance of current account of six countries for 1956-65, for Mr. de Fontena;
- (c) assisted Mr. Hulley in computation of shares of IDA replenishment at different levels;
- (d) worked on per capita receipts of net official bilateral and multilateral assistance, 1965, for Mr. Rao;
- (e) checked economic reports of six countries on treatment of projected service payments on external public debt. (8½ days)

Cc: Messrs. Kamarck
Stevenson
Bhatia

9A Jh/jb

Mr. Andrew M. Kamarck

January 3, 1968

Arthur E. Tiemann *CT*

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

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	ME & NA		Africa		Asia		Europe		W.H.	
	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.
TOTAL	-	6	3	12 (3)	5	2	3	19	4	15
Current tables:										
6/30/67	-	2	2	8 (1)	3	1	2	9	2	7
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	1	1	3 (2)	1 (1)	-	1	2	1	2
6/30/66	-	1	-	-	-	1	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
6/30/67	-	-	-	-	-	-	-	-	-	1
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	-	-	1	1 (1)	-	-	8	1	2
12/31/65	-	-	-	-	-	-	-	-	-	1

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

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Research into status of post-war settlement by Rumania, Czechoslovakia and Hungary	Off. Pres.(Rist)	In progress
5. India - Checking debt reports	Asia	Completed
6. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.H.	In progress
7. Brazil - checking debt reports	W.H.	In progress

8. Guinea - preparation of memorandum on debt submission as of June 30, 1967 and December 31, 1966	Africa	In progress
9. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967	Africa	In progress
10. Senegal - examination of debt data	Africa	Completed
11. Chad - checking external debt reports	Africa	Completed
12. Mexico - updating of the December 31, 1966 debt tables	W.H. (Ross)	Completed
13. Preparation of memorandum on debt submission as of June 30, 1967 - Dom.Rep.	W.H. (Ross)	In progress
14. Preparation of memorandum on debt submission as of June 30, 1967 - Italy	Europe	In progress
15. Preparation of memorandum on debt submission as of June 30, 1967 - Swaziland	Europe	In progress
16. Preparation of memorandum on debt submission as of June 30, 1967 - Mexico	W.H. (Ross)	Completed
17. Haiti - preparation of revised amortization schedule for IBRD loan	W.H. (Bochenski)	Completed
18. Mexico - preparation of two amortization schedules for proposed IBRD loans	W.H. (Bochenski)	Completed
19. Argentina - preparation of two amortization schedules for proposed IBRD loans	W.H. (Fajans)	Completed
20. Colombia - preparation of table showing external public debt outstanding as of June 30, 1967	W.H. (Teigeiro)	In progress
21. Ceylon - preparation of historical tables as of December 31, 1966	Asia	Completed
22. Morocco - preparation of memorandum on debt submission as of June 30, 1967	ME & NA	In progress
23. Ghana - posting, coding and preparation of debt tables as of December 31, 1966	Africa	In progress
24. Tunisia - preparation of memorandum on debt submission of June 30, 1967	ME & NA	In progress
25. Ethiopia - amortization schedule for proposed IBRD loan	Africa	Completed

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|---|--------|-------------|
| 26. Rwanda - posting, coding and preparation of debt tables as of June 30, 1967 | Africa | In progress |
| 27. Sudan - amortization schedule for proposed IBRD loan | Africa | Completed |
| 28. Senegal - preparation of revised debt tables as of December 31, 1966 | Africa | In progress |
| 29. Malaysia - preparation of revised debt tables as of June 30, 1967 | Asia | Completed |

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
3. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In abeyance
4. Simple collection of data: Taiwan - exports of vegetables, 1960-66	Ec. (Villafuerte)	Completed
5. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In abeyance
6. Moderately complicated regression analysis and data collection: i) price trends and deviations during 1950-66 for large number of commodities	Ec. (Maccone)	Completed
ii) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
iii) exports of principal primary commodities for 20 countries from 1953-65	(Pres. Off. (Avramovic) (Ec. (Goreux)	In progress
iv) cattle industry in 5 Latin American countries, percentage calculations etc.	WH (Lerdau)	Completed
7. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In abeyance
8. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Chadenet)	In abeyance
9. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance

Mr. A. M. Kamarck

January 3, 1968

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|--|-----------------------------|-------------|
| 10. Moderately complicated data search and calculations:
New Zealand report | Pres. Off. (Kochav) | In progress |
| 11. Moderately complicated data handling:
Korean Mission - statistical material for report | Asia (Jansen) | In progress |
| 12. Simple tabulations and calculations:
Tunisian Mission - updating tables, input capita output ratios etc. | ME & NA (Payson, Maubouche) | Completed |
| 13. Simple calculations:
Pakistan - weighted average of import prices | EDI (Islam) | Completed |
| 14. Simple regression analysis:
Projection of demand for plywood (Japanese and Philippines prices) to 1970 and 1975 | Ec. (C. Singh) | In progress |
| 15. Simple regression analysis:
Central American road study - relations between maintenance cost and traffic volume | Ec. (Churchill) | In progress |
| 16. Moderately technical statistical analysis:
Mathematical model of road reconstruction costs | Proj. (Thalwitz, Abbate) | Completed |
| 17. Simple data collections:
Exports of goods and services for 48 countries for the years 1965 and 1966 to update table 7 of the Bank Annual Report | Inf. (Sellon) | Completed |
| 18. Moderately complicated calculations:
Malaysia - rates of return from equity and loan investments for a project | IFC (Toutounji) | Completed |
| 19. Simple calculations:
Colombia - (i) calculate age groups by sex for 1965 and 1975
(ii) rate of return on an educational project | Ec. (Eklund) | In progress |
| 20. Simple tabulations:
Central African Republic - updating various tables for fiscal expenditures, current expenditures, investment expenditures for 1960-1967 | Afr. (Booz) | In progress |

January 3, 1968

21. Moderately complicated data collection:
Portugal - Export and import trade with
selected countries for the years 1956, 1960,
1964, 1965, 1966 by SITC and ISIC
classifications
- Ec. (Balassa) In progress
22. Moderately complicated regression
analysis:
Steel consumption study - interrelationship
of consumption to GNP, price, industrial
manufacturing etc. for 1955 and 1963; also
forecasting 1963 figures on the basis of
1955 equations
- Ec. (Datas-Panero) 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 progress
2. Complex simulation of lighterage facilities in port activity	Proj. (Pouliquen)	In progress
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
4. Moderately complex program to compute transgeneration value	Asia (Ray)	Completed
5. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
6. 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. (Stat.Serv.)	In abeyance
7. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
8. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
9. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
10. Simple program to produce tables of IBRD and IDA commitments by purpose and country or group of countries	Ec. (Stat.Serv.)	In progress
11. Moderately complex program to compute probabilities using Poisson and Erlang distributions	Ec. (de Weills)	Completed
12. Simple computer program to calculate distributed lags for cotton production model	Ec. (Oury)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Colombia - Bogota Water Supply Project - 2 charts	Proj. (Krombach)	Completed
2. Two diagrams on closed and open economy	Ec. (Elsaas)	Completed
3. Three diagrams on Road Transport	Ec. (Ray)	Completed
4. GNP and Energy Demand per capita chart	Ec. (Huang)	Completed
5. Chile - Highway maintenance project chart	Proj. (Roth)	Completed
6. Tubos de Acero de Mexico - 2 charts	IFC (Hiram)	Completed
7. Korean Mission - 6 charts	Korean Mission (Jansen/ Hui)	Completed
8. East Pakistan organization chart (sketch)	Proj. (von Oppenfeld)	Completed
9. Colombia - Population pyramid and births prevented and savings on primary education - 2 charts	Proj. (Eklund)	In progress
10. Honduras - Maximum demand and firm capacity	Proj. (Huang)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IEM cards to Statistics IEM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBRD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

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).

cc: Mr. Stevenson

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

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	3/22/67	-	In progress
Morocco	12/31/66; 6/30/67	-	-	In progress
Tunisia	6/30/67	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Cameroon	6/30/67	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSO	6/30/67	-	-	In abeyance
Ethiopia	6/30/67	-	-	Completed
Ghana	12/31/66 (new)	-	-	In progress
Ivory Coast	6/30/67	-	-	In progress
Lesotho	12/31/66	-	-	Completed
Mali	6/30/67	-	-	In progress
Nigeria	6/30/67	-	-	In progress
Rhodesia	6/30/67	-	-	In progress
Rwanda	6/30/67 (new)	-	-	In progress
Senegal	12/31/66 (new)	-	-	In progress
Uganda	6/30/67	-	-	Completed
Zambia	6/30/67	12/31/66	-	In progress
<u>ASIA</u>				
Australia	6/30/67	-	-	In progress
Ceylon	12/31/66; 6/30/67	-	-	Completed
Ceylon	-	12/30/66 (new)	-	Completed
China	6/30/67	-	-	Completed
Indonesia	6/30/67	-	-	In progress
Malaysia	6/30/67 (new)	-	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	-	12/31/66	-	In progress
Cyprus	6/30/67	-	-	Completed
Denmark	-	12/31/66	-	In progress
Finland	6/30/67	-	-	In progress
Greece	6/30/67	-	-	In progress
Iceland	6/30/67	-	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66	-	In progress
Norway	6/30/67	-	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Spain	12/31/66	12/31/66	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	Completed
Turkey	12/31/66	-	-	In abeyance
Turkey	6/30/67	-	-	In progress
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Country	Projection and date	Historical and date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67	-	-	In progress
Chile	12/31/65; 6/30/66; 12/31/66	-	-	In progress
Colombia	12/31/66; 6/30/67	-	-	Completed
Costa Rica	6/30/67	-	-	In progress
Ecuador	6/30/67	-	-	In progress
El Salvador	6/30/67	-	-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65; 6/30/66; 12/31/66	-	-	In abeyance
Honduras	6/30/67	-	-	Completed
Mexico	6/30/67	12/31/65; 12/31/66	Ross	In progress
Paraguay	6/30/67	-	-	In progress
Venezuela	6/30/67	-	-	In progress

Statistical Services Division
Economics Department
January 3, 1968

Mr. J. H. Collier

January 3, 1968

Stanley Please

Report on the Activities of the Domestic Finance Division, Dec. 18-29, 1967.

Major Studies

Mr. Holsen - continued work on completing the report of the research mission to Brazil (1 day).

Mr. Beier - revised the Division draft of his paper on Pakistan electricity load control (9 days).

Mr. Christoffersen continued work on the study of financial institutions in Pakistan particularly relating to the institutional financing of agriculture. He also undertook preparatory work for his membership of the forthcoming economic mission to Pakistan (7 days).

Mr. Scioli - prepared his contribution to the report of the general economic mission to Tunisia (9 days).

Mr. Churchill - continued work on the Central American road user charges study (9 days).

Mr. Basoah - prepared his contribution to the report of the general economic mission to Zambia (7 days).

Mr. Anselle (Young Professional) - continued his study of agricultural taxation in Pakistan and further preparatory work for his membership of the forthcoming economic mission to that country (9 days).

Mr. Abbate (Young Professional) - continued his study of agricultural taxation in India (9 days).

Mr. Huber (temporarily assigned from the Western Hemisphere Department) - continued work on the Central American road user charges study (5 days).

Professor Walters (Consultant) - rejoined the Division on December 18 to continue work on the Central American road user charges study.

Other Activities

Mr. Holsen - undertook preliminary work in connection with his membership of the forthcoming economic mission to Portugal (4 days), and engaged in discussions relating to financial developments and policy in Brazil (4 days). Preparation of memo relating to Hirschman and Bird paper, "Foreign Aid -- A Critique and a Proposal". Temporary supervision of Division in the absence of Mr. Please (on sick leave).

Mr. Edlund - has been contributing to the preparation of the report of the Education Division mission to Colombia (9 days).

Mr. Basoah - French class (one hour each day).

Mr. Churchill - Spanish class (one hour each day).

Mr. Please - general supervision of Division activities.

Research Assistants

Miss Dacumos - preparation of data relating to trends in development and non-development expenditure in Pakistan (8 days), and research relating to tax concessions to investment in the Appalachian region (related to Hirschman/Bird paper), (1 day).

Miss Meldau - working with Mr. Churchill in connection with the Central American Road User Charges study (5 days).

3Please/10

cc: Messrs. Kamarcik and Stevenson

<u>Title of Study</u>	<u>Brief Description of Study</u>	<u>Division</u>	<u>Author(s)</u>	<u>First Draft</u>	<u>Final Paper</u>	<u>Remarks</u>
37. EARMARKING STUDY	A survey of the general literature on the earmarking of public revenues and the collection of data and other information which is available from published sources on earmarking.	Domestic Finance	Relund	July 68	-	DUE TO THE UNEXPECTED REQUEST FROM THE PROJECT DEPT. FOR MR. RELUND TO PARTICIPATE IN AN EDUCATION MISSION TO COLOMBIA DURING THE WEEK OF NOV. AND DEC. AND ALSO THE PROBABILITY THAT HE WILL BE PARTICIPATING IN AN ECONOMIC MISSION TO THE PHILIPPINES DURING THE FIRST 3 TO 4 MONTHS OF 1968, THIS STUDY HAS HAD TO BE POSTPONED FOR AT LEAST 6 MONTHS.
38. LOAD CONTROL STUDY IN WEST PAKISTAN	An attempt to review the theoretical literature concerned with load control, to review the experience of individual countries with load control and to apply these ideas to West Pakistan.	"	Saler	Dec. 67	-	A FIRST DRAFT OF THE STUDY IS AT PRESENT BEING REVISED AND WILL APPEAR IN JANUARY AS A DRAFT FOR DISCUSSION WITH PROJECTS DEPARTMENT.
39. CENTRAL AMERICAN ROAD USER CHARGES STUDY	The operational purpose of this study is to reach conclusions on the appropriate level and pattern of road user charges in the Central American countries; it will also offer an opportunity to test the analytical techniques developed by Professor Alan Walters.	"	Churchill Huber Walters* Senge** Parkes** Bronfman**	March 68	-	AN INTERDEPARTMENTAL STUDY WHICH IS BEING UNDERTAKEN IN COOPERATION WITH THE WESTERN HEMISPHERE DEPT. AND THE PROJECTS DEPT. A WORKING OUTLINE OF THE STUDY WAS SUBJECT TO DISCUSSION BY THE STEERING COMMITTEE ON NOV. 3, 1967 AND A FIRST BUT INCOMPLETE DRAFT OF THE REPORT WILL BE AVAILABLE IN JANUARY.

*Consultant **Projects Department

<u>Title of Study</u>	<u>Brief Description of Study</u>	<u>Division</u>	<u>Author(s)</u>	<u>First Draft</u>	<u>Final Paper</u>	<u>Remarks</u>
40. FINANCIAL MARKET STUDY IN PAKISTAN	This is one of a series of intended country studies that is planned to undertake of certain problems of domestic development finance particularly those relating to the flow of funds to the agricultural sector, to export financing and to regions requiring selective treatment in the allocation of financial resources.	DOMESTIC FINANCE	Christofersen	April 68	-	
41. AGRICULTURAL TAXATION (TUNISIA)	This is the first of a series of intended country studies of the problems of taxation of the agricultural sector in developing countries. ^{1/}	"	Sciolli	June 68	-	The timing of this study will be delayed to the extent of Sciolli's commitment to the servicing of the scheduled economic mission to U.A.R.
42. AGRICULTURAL TAXATION (PAKISTAN)	This is the second country study which has been commenced.	"	ANSELLE	April 68	-	The field work for this study will be undertaken by Anselle in collaboration with the Asia Dept. He will be a member of a general economic mission to Pakistan.
43. AGRICULTURAL TAXATION (INDIA)	This is the third of a series of country studies of the problems of taxation of the agricultural sector in developing countries.	"	ABBATE	June 68	-	

^{1/} These studies are being undertaken in collaboration with the Fiscal Affairs Department of the IMF.

Mr. H. G. van der Tak

January 2, 1968

Jochen Schmedtje *J.S.*

Principal Activities of Investment Planning Division - December 16-31

- Abe (YP) : Returned from mission to Chile and Peru on December 18. Continued work on study of optimum depth of ports (8 days). Miscellaneous (1 day).
- Davis : Continued work on Ceylon tourism report (7½ days). Work on other tourism matters (1½ days).
- de Weille : Worked on studies of optimum number of berths (1 day), optimum depth of ports (1 day) and Iran road reappraisal study (2 days). Preparatory work for study on appraisal of road maintenance projects (1 day). Attended Seminar for Transport Economists (2 days). Prepared for mission to Argentina (2 days).
- Lall : Continued work on study of project evaluation in inflationary conditions (full time).
- Meros : Worked with Mr. Reutlinger on problems of optimal water storage (6 days). Miscellaneous (2 days). French lessons (1 day).
- Oury : Finished draft study exploring the possibilities of deriving agricultural production models for developing countries (2 days). Examined the DAM regression program and made suggestions for changes in the output print format (2 days). Prepared a note for Mr. Goreux on problems of measurement relating to commodity price stabilization (2 days). Attended Annual Meeting of Allied Social Science Association (1½ days). Miscellaneous (1½ days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project analysis (1½ days). Attended Seminar for Transportation Economists (2 days) and Annual Meeting of Allied Social Science Association (1½ days). Miscellaneous, including Spanish lessons (1 day).
- Schmedtje : Attended Seminar for Transport Economists (1 day). Annual leave (1 day). General supervision.
- Thias : Collected data for Kenya case study on the use of cost-benefit analysis in educational planning (full time).
- Abudabbeh (RA) : Did computations, tabulations and graphs for Mr. Reutlinger's uncertainty paper (2 days). Assisted Mr. Thias in collecting and processing data on education in Kenya (7 days).

January 2, 1968

Kim (RA) : Rechecked data and computations for Mr. Oury's study of agricultural production models and prepared card decks of related data for possible later use (full time).

Turay (RA) : Temporarily assigned to this Division since December 18. Collected data on road maintenance costs for Mr. de Weille (full time).

cc: Mr. A. M. Kamarok
Mr. A. Stevenson

JSchmedtjes

Ec. Staff P. Rep

Mr. J. H. Collier

January 2, 1968

S. N. Kao

S. N. Kao

Comparative Analysis Division

1. During December 16 to 31, 1967 members of the Division were occupied with the following:
 - A. Miscellaneous short-term assignments:
 - (a) Preparation of 3 tables on percentage share of population and GNP in 1965 of ⁷⁵sample countries categorized by income groups.
 - (b) Preparation of 2 tables on growth rates of exports during 1950 to 1965.
 - B. Research studies:
 - (i) Bank's policy understanding with member countries - Revision of country notes on Colombia, Brazil and Mali.
 - (ii) Bank's estimates of capital inflow - Revised data was prepared for Brazil. Work on the revision of figures for India was carried on. Some work was also done on the revision of the format for compilation of data on capital inflow with a view to bringing it in line with the concepts indicated for Country Economic Briefs.
2. Mr. Streng was busy with items A(a) and A(b). He also partly worked on the revision of the format for compilation of capital inflow data (referred to in B(ii) above). I was mainly engaged with B(i) and the usual administrative work. Mr. Shahi (Research Assistant) did preliminary work on the revision of capital inflow data on Brazil and India (item B(ii) refers). He also attended one session of A.E.A. on December 29, 1967.
3. Mr. Maiss continued to be on assignment for the Coffee Study at Rome. Mr. Maane also continued to work for the International Finance Division.

cc: Messrs. Kamarck
Stevenson

SNKao:osb

Mr. A. Stevenson

January 2, 1967

H. G. van der Tak *WJ*

Progress Report - December 16-31

Apart from general supervision, I spent some time on the revision of van der Tak/Ray paper on the economic benefits of road transport projects for Economic Committee distribution, and I attended two seminars in the series of seminars for transport economists.

cc: Mr. Kamarck

EC. Com
P. Rep

Mr. Alexander Stevenson

January 2, 1968

E.K. Hawkins

EKH

Work Program of the Applied Quantitative Research Division for the Two-Week
Period Ending December 29, 1967

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Preparation of draft paper on Malaysia. Completed redrafting of sections of Capital Inflow paper. Editorial work on paper on Indian planning models (4½ days)	General supervision. Completed preparation of guidelines for the Treatment of Population in Economic Reports Attendance at Seminar on Transport Economics (4 days)
A. Elsaas	- Completion of revision of paper on Indian planning models. (8½ days)	
R.J. Niebuhr	- Further work on econometric model for Malaysia, including simulation exercises. (8½ days)	
N.G. Carter	- Uganda structural model. Jamaica structural model. (4 days)	Advice on computer. Technical advice to New Zealand mission. Review of papers. Reading and research. (4½ days)
K. Krishnamurty	- Engaged in Bank/Fund Commodity Study (8½ days)	
G. Zaidan	-	Supply of information for Colombia Education Appraisal Mission (4 days) S. Korea and Indonesia Economic Missions (2 days) Preparation of benefit-cost study of population control (2½ days)

January 2, 1968

Research Assistants

Dawn Elvis - Assistance to Mr. Carter:
Jamaica - Monetary Sector (7½ days)
Jamaica - Structural Model (1 day)

W.L. van der Valk - Assistance to Mr. Carter:
Uganda Model Simulation (1 day)
New Zealand Projections (1 day)

Assistance to Mr. Krishnamurty:
Commodity study (2 days)

Assistance to Mr. Niebuhr:
Malaysian model simulation (1½ days)

EKJenkins/w

cc: Messrs. de Vries, Ehatia, Niebuhr, Carter, Krishnamurty and Zaidan

Mr. George Kalmanoff

December 22, 1967

John Hulley

Progress Report - December 1-15

Major Studies

Other Activities

J. Hulley:

External Debt Review
Committee (1/2 day)

- (a) Participated in and prepared notes and tables for Working Party on IDA Replenishment;
- (b) prepared and transmitted information requested by Lady Jackson;
- (c) Administration. (10 1/2 days)

P. de Fontenay:

- (a) Regional Development Banks;
- (b) Debt consolidations. (7 days)

- (a) Drafted report on UN meeting on UNCTAD;
- (b) drafted letter on effects of IDA on US balance of payments, for Mr. Woods' signature;
- (c) translated UN resolution on IDA Replenishment for Mr. Kochman;
- (d) Reviewed two books for Finance and Development. (4 days)

V. Dubey:

- (a) Attended meeting with Mr. Santa Cruz of the IDB in connection with the paper on export credit;
- (b) worked on IDA Replenishment;
- (c) worked on and checked calculation for Mr. de Vries' paper on Protection in Capital Goods Industries. (11 days)

A. Karaosmanoğlu:

- (a) External Debt Review Committee;
- (b) report on credit facilities for exports from developing countries. (11 days)

W. Maane: *

- (a) Worked on balance of payments of US in relation to LICs; (paper for Mr. Kochav);
- (b) reviewed and checked Mr. de Vries' paper on Protection in Capital Goods Industries. (5 days)

* Mr. Maane began working with the Division on December 8th.

To: Mr. George Kalmanoff

- 2 -

December 22, 1967

- B. Rao:
- (a) Regional Development Banks. (5 days)
 - (a) Processed enquiries from Information Department regarding IDA;
 - (b) provided information requested by Lady Jackson;
 - (c) worked on brief on donor country aid policies and programs. (5 days)
- U. Garcia-Tobar:
- (a) Regional Development Banks;
 - (b) Multilateral debt consolidation. (3 days)
 - (a) Research on Guaranteed Medium-Term Export Credits as a source of external financing for LDCs;
 - (b) duties as Chairman of the Spanish Practice Group (Bank-IFC). (7 days)
- Mrs. K. Hong:
- (a) Regional Development Banks (1 day)
 - (a) Assisted Mr. Dubey in connection with IDA Replenishment;
 - (b) assisted Mr. Hulley in connection with IBRD and IDA capital subscriptions. (9 days)

Cc: Messrs. Kamarck
Stevenson
Ehatia

JH/jb

Mr. A. M. Kamarck

December 20, 1967.

Emanuel Levy

Work Progress Report for the Comparative Data Division for the Period
December 1 to December 15, 1967.

World Tables

- 1. Work continues on this project, which is occupying all six research assistants assigned to the Division and two professionals, Miss Vial and Mr. Eory. (Miss Vial left Washington for home leave on December 15, and the project is now in the hands of Mr. Eory alone).
- 2. The Table on Government Current Revenue and expenditure has been completed.

Country Data Briefs

- 3. A revised draft of the proposed Country Data Briefs has been completed.
- 4. A revised version of the accompanying "Concepts and Definitions" is now in process of preparation.

Indonesia Mission

- 5. Mr. Novak continued working on the revision and updating of the Indonesian national accounts.
- 6. The Division Chief has been engaged in drafting a report and recommendations on the Indonesian Statistical System, for inclusion in the forthcoming country report.

ELevy:dms
cc: Messrs. Stevenson, Collier.

Ec. 1. Rep.

Mr. Andrew M. Kamarck

December 19, 1967

Arthur E. Tiemann *col*

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

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

Date	ME & NA		Africa		Asia		Europe		W.H.	
	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.	Compl.	In prog.
TOTAL	-	5	2	10 (3)	1	4	2	22(6)	1	18(2)
Current tables:										
6/30/67	-	1	2	8(3)	1	3	2	11(3)	-	9(2)
3/22/67	-	-	-	-	-	-	-	-	-	-
12/31/66	-	1	-	1	-	-	-	3	-	3
6/30/66	-	1	-	-	-	1	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
6/30/67	-	-	-	-	-	-	-	-	-	1
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	-	-	1	1	-	-	8(3)	1	2
12/31/65	-	-	-	-	-	-	-	-	-	1

Note: Excludes 10 countries in abeyance; () = number of countries started during the period.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Research into status of post-war settlement by Rumania, Czechoslovakia and Hungary	Off.Pres.(Rist)	In progress
5. India - Checking debt reports	Asia	In progress
6. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.H.	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Brazil - checking debt reports	W. H.	In progress
8. Spain - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	Completed
9. Guinea - preparation of memorandum on debt submission as of June 30, 1967 and Dec. 31, 1966	Africa	In progress
10. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967	Africa	In progress
11. Senegal - examination of debt data	Africa	In progress
12. India - revision of table showing service payments due on suppliers' credits	Asia (King)	Completed
13. Selected countries - comparison of projected service payments with actual service payments	Ec. (Karaosmanoglu)	Completed
14. Chad - checking external debt reports	Africa	In progress
15. Issued Report EC-156, estimated external debt outstanding and service payments, past and projected 1956-1976	Economics	Completed
16. Mexico - preparation of amortization schedule for proposed IFRD loan	W.H. (Bochenski)	Completed
17. Mexico - updating of the Dec. 31, 1966 debt tables	W.H. (Ross)	In progress
18. Preparation of memorandum on debt submission as of June 30, 1967 - Turkey	Europe (Schaad)	Completed
19. Preparation of memorandum on debt submission as of June 30, 1967 - Dom.Rep.	W.H. (Ross)	In progress
20. Preparation of memorandum on debt submission as of June 30, 1967 - Italy	Europe	In progress
21. Preparation of memorandum on debt submission as of June 30, 1967 - Swaziland	Europe	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	Completed
3. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
4. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	Completed
5. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	Completed
6. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In abeyance
7. Simple collection of data: Taiwan - exports of vegetables, 1960-66	Ec. (Villafuerte)	In progress
8. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress
9. Moderately complicated regression analysis and data collection: Price stabilization study - i) price trends and deviations during 1950-66 for large number of commodities	Ec. (Macone)	In progress
ii) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
iii) exports of principal primary commodities for 20 countries from 1953-65	Pres. Off. (Avramovic)	In progress

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|---|-----------------------------|-------------|
| 10. Moderately complicated regression analysis:
Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc. | Ec. (N. Carter) | In abeyance |
| 11. Complicated analysis:
Disbursement patterns of IBRD loans by purpose and projections | Proj. (Chadenet) | In abeyance |
| 12. Highly technical statistical analysis:
Optimum cost model of an education project | Proj. (Hultin) | In abeyance |
| 13. Simple calculations:
Ceylon - calculate costs and benefit figures, rate of return for a housing project | Proj. (Sonley) | Completed |
| 14. Moderately complicated tabulations:
Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts | Inf. (Sankaran) | Completed |
| 15. Moderately complicated tabulations:
Breakdown by purpose of IBRD loans and IDA credits to 10 Near Eastern countries, cumulative totals 1960 and 1967 | Inf. (Eliason) | Completed |
| 16. Moderately complicated data search and calculations:
New Zealand report | Pres.Off. (Kochav) | In progress |
| 17. 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) | Completed |
| 18. Moderately complicated data handling:
Korean Mission - statistical material for report | Asia (Jansen) | In progress |
| 19. Simple tabulations and calculations:
Tunisian Mission - updating tables, input capita output ratios etc. | ME & NA (Payson, Maubouche) | In progress |

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|--|-----------------------------|-------------|
| 20. Simple calculations:
Pakistan - weighted average of
import prices | EDI (Islam) | In progress |
| 21. Simple regression analysis:
Projection of demand for plywood
(Japanese and Philippines prices)
to 1970 and 1975 | Ec. (Singh) | Completed |
| 22. Simple calculations:
Latin America - Indices on cattle
production (1953-66) | Ec. (Koenig) | Completed |
| 23. Simple calculations:
Average aid to countries of Latin
America and Africa for years 1963-65 | Pres.Off.(Friedman) | Completed |
| 24. Moderately complicated tabulations:
Indonesian Industrial Census: break-
down of employment in 18 major industries
by region and provinces, 1961 and 1964 | Ec. (Schrenk) | Completed |
| 25. Simple regression analysis:
Central American road study - relations
between maintenance cost and traffic
volume | Ec. (Churchill) | Completed |
| 26. Moderately technical statistical analysis:
Mathematical model of road reconstr-
uction costs | Proj. (Thalwitz,
Abbate) | 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. Simple program to generate Present Value tables	Proj. (Wouters)	Completed
3. Complex simulation of lightering facilities in port activity	Proj. (Pouliquen)	In progress
4. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	In progress
5. Moderately complex program to compute transgeneration value	Asia (Ray)	In progress
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
7. 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. (Statistical Serv.)	In abeyance
8. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
9. Highly complex system analysis and programming: (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Stat.Serv.)	In progress
10. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
11. Simple program to produce tables of IBRD and IDA commitments by purpose and country or group of countries	Ec. (Stat.Serv.)	In progress
12. Simple program to calculate average fluctuations (Price stabilization study)	Off.Pres. (Avramovic)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Colombia - Bogota Water Supply Project - 2 charts	Proj. (Krombach)	In progress
2. Malagasy Republic - 6 educational charts prepared in French	Proj. (Stewart)	Completed
3. Ecuador - one schedule	Proj. (Germanacos)	Completed
4. Relationship between paper consumption per capita and GNP per capita - 5 charts	Ec. (Datas)	Completed
5. Comparative prices of fats and oils chart	Proj. (Qubein/Rowe)	Completed
6. Malaysia - 2 charts (sketch)	Proj. (Apcar/Rajagopalan)	Completed
7. One typed schedule inked	Proj. (Bailey)	Completed
8. Brazil - 4 organization charts (sketches)	Proj. (Parmeggiani)	Completed
9. Chad - Project schedule	Proj. (Naleppa)	Completed
10. Two diagrams on closed and open economy	Ec. (Elsass)	In progress
11. Three diagrams on Road Transport	Ec. (Ray)	On hand
12. GNP and Energy Demand per capita chart	Ec. (Huang)	On hand
13. Chile - Highway maintenance project chart	Proj. (Roth)	On hand

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBERD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBERD, IDA and IFC loans.
10. Compilation of debt outstanding and service payments by country and area for all developing and developed countries.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBERD and IDA disbursements.
2. Maintenance of IBERD 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 IBERD-IDA loans and credits by economic purpose.

PROGRAMMING

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

cc: Mr. Stevenson

/ra

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

Country	Projection and date	Historical and date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	3/22/67	-	In progress
Morocco	12/31/66; 6/30/67	-	-	In progress
Tunisia	6/30/67	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Cameroon	6/30/67 (new)	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EAGSO	6/30/67	-	-	In abeyance
Ethiopia	6/30/67	-	-	In progress
Ghana	6/30/67 (new)	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Mali	6/30/67 (new)	-	-	In progress
Nigeria	6/30/67	-	-	In progress
Rhodesia	6/30/67	-	-	In progress
Sudan	6/30/67	-	-	Completed
Tanzania	6/30/67	-	-	Completed
Uganda	6/30/67	-	-	In progress
Zambia	6/30/67	12/31/66	-	In progress
<u>ASIA</u>				
Australia	6/30/67	-	-	In progress
Ceylon	12/31/66; 6/30/67	-	-	In progress
China	6/30/67	-	-	In progress
Indonesia	6/30/67	-	-	In progress
Pakistan	-	12/31/66	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	6/30/67	-	-	Completed
Belgium	-	12/31/66 (new)	-	In progress
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	Completed
Denmark	-	12/31/66 (new)	-	In progress
Finland	6/30/67(new)	-	-	In progress
Greece	6/30/67(new)	-	-	In progress
Iceland	6/30/67	-	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Luxembourg	-	12/31/66 (new)	-	In progress
Norway	6/30/67	-	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Spain	12/31/66	12/31/66	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Turkey	6/30/67(new)	-	-	In progress
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Country	Projection and date	Historical and date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67	-	-	In progress
Chile	12/31/65; 6/30/66; 12/31/66	-	-	In progress
Colombia	12/31/66; 6/30/67	-	-	In progress
Costa Rica	6/30/67	-	-	In progress
Dominican Rep.	-	12/31/66	Ross	Completed
Ecuador	6/30/67(new)	-	-	In progress
Salvador	6/30/67(new)	-	-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65; 6/30/66; 12/31/66	-	-	In abeyance
Honduras	6/30/67	-	-	In progress
Mexico	6/30/67	12/31/65; 12/31/66	Ross	In progress
Paraguay	6/30/67	-	-	In progress
Venezuela	6/30/67	-	-	In progress

Statistical Services Division
Economics Department
December 19, 1967

Mr. Herman van der Tak

December 18, 1967

Mandayya A. Sreedhar 

Principal Activities of the Industrialisation Division - December 1-15

Sreedhar: General supervision.

Baranson: 1. Attended a seminar on The Economic Value of Science and Technology in Developing Countries at the National Academy of Sciences, 13 December, 1967 (2 days)
2. Rewrote the Automotive Industries Study. (9 days)

Cilingiroglu: Prepared for Pakistan mission.

Datas: 1. Worked on study of the Pulp and Paper Industry, mainly on sections dealing with world trade, geographical distribution of consumption, and analysis of relationship between paper consumption and levels of per capita income. (7 days)
2. Special leave (4 days).

Nowicki: 1. Finished report on Methods of Analysis of Industrial Policy and the Survey of Industrial reports of the Bank.
2. Prepared and discussed the terms of reference and other proposals related to the next industrial mission to Colombia.
3. Assisted at a couple of conferences and discussions (Professor Chenery's, Mr. de Vries', etc.)
4. Did background reading on Colombia.
5. Attended Spanish course (1 hour per day)

Schrenk: Continued work on the Indonesian Mission report.

Villala: Continued work on the Ceylon mission report.

May: 1. Assisted Mr. Cilingiroglu in preparation for the Pakistan Mission by drafting letters, reviewing questionnaires, etc.
2. Assisted Mr. Walstedt with investment and capacity figures in the ECSC Steel Industry.
3. Looked for material on investment costs for industrial expansion for Mr. Sreedhar.

Mr. Herman van der Tak

-2-

December 18, 1967

Martinez:

1. Worked for Mr. Balassa on Effective Tariff Rates for the updating of the paper on the Structure of Protection in the Industrial Countries and its Effect on the Export of Processed Goods from Developing Nations.
2. Worked for Mr. Sreedhar on a bibliography on Trade in Machine Tools.

Turay:

Completed work on the Automotive Industry.

MAS:ph

cc: Mr. Stevenson
Industrialization Division

Mr. H. G. van der Tak

December 18, 1967

Jochen Schmedtje *Jh*

Principal Activities of Investment Planning Division, December 1 - 15

- Abe (YP) : Assay on mission to Chile and Peru.
- Davis : Continued work on tourism section of the Ceylon mission report (8 days); in this connection, went on mission to San Francisco to consult with members of AID-sponsored study team on Ceylon tourism (2 days). Correspondence on other tourism matters (1 day).
- de Welle : Worked on studies of optimum number of berths (1 day), optimum timing of investments (2 days), Dehoney transport study (1 day) and Iran road reappraisal study (1 day). Reviewed two draft reports regarding highway projects in South Korea and Ivory Coast (3 days). Miscellaneous (3 days).
- Lall : Continued work on study of project evaluation in inflationary conditions (full time).
- Meros : Worked with Mr. Reutlinger on problems of optimal water storage (9 days). French lessons (1 day). Sick leave (1 day).
- Oury : Completed Part III of draft study exploring the possibilities of deriving agricultural production models for developing countries (10 days). Miscellaneous (1 day).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project analysis (6 days). Started Mr. Meros on analysis of problems of optimal water storage (1 day). Reviewed draft report regarding a land settlement project in Malaysia (2 days). Miscellaneous (1 day). Spanish lessons (1 day).
- Schmedtje : Reviewed draft report regarding a power project in Nicaragua (1½ days). General supervision.
- Thias : Completed draft of work program for Kenya case study in educational planning (6 days). Started data collection and analysis (3 days). Miscellaneous (2 days).
- Abudabbeh (RA): Did computations, tabulations and graphs for Mr. Reutlinger's uncertainty paper (2 days). Assisted Mr. Thias in data work for the Kenya case study in educational planning (9 days).
- Kim (RA) : Assisted Mr. Oury in the processing of data and presentation of results regarding the wheat production model for the Lahore district (full time).

cc: Mr. A. M. Kamarck
Mr. A. Stevenson

JSchmedtje:jln

EC: Saff P.R

Mr. J. H. Collier

December 18, 1967

Stanley Please

Report on the Activities of the Domestic Finance Division, Dec. 1 - 15, 1967.

Major Studies

Mr. Holsen - continued work on completing the report of the research mission to Brazil (2 days).

Mr. Beier - revising the Division draft of his paper on Pakistan electricity load control (5 days).

Mr. Christoffersen - continued work on the study of financial institutions in Pakistan particularly relating to the institutional financing of agriculture. He has also been undertaking other preparatory work for his membership of the forthcoming economic mission to Pakistan (11 days).

Mr. Scioli - preparing his contribution to the report of the general economic mission to Tunisia (11 days).

Mr. Churchill - continued work on the Central American road user charges study (9 days).

Mr. Basoah - preparing his contribution to the report of the general economic mission to Zambia (11 days).

Mr. Anselme (Young Professional) - continued his study of agricultural taxation in Pakistan and further preparatory work for his membership of the forthcoming economic mission to that country (11 days).

Mr. Abbate (Young Professional) - joined the Division on December 4, 1967, for his assignment under the Young Professional Training Program and has commenced preliminary work for his study of agricultural taxation in India (10 days).

Mr. Haber (temporarily assigned from the Western Hemisphere Department) has continued work on the Central American road user charges study (11 days).

Other Activities

Mr. Holsen - prepared background papers and engaged in discussions relating to the visit to Washington of the Brazilian Minister of Finance (7 days). He has also been undertaking preliminary work in connection with the forthcoming economic mission to Portugal (2 days).

Mr. Edlund returned from Colombia on December 11 and has since been contributing to the preparation of the Education Division mission report to that country (5 days).

Mr. Beier - participated in discussions relating to the study of transport coordination in Spain and has prepared comments on an early draft of one part of the study (6 days).

Mr. Basoah - French class (1 hour each day).

Mr. Churchill - Spanish class (1 hour each day).

Mr. Please - Membership in the Working Party on import duties for Bank-financed projects, preparation of memorandums on the 9% and 90% subscriptions to Bank and IDA, and general supervision of Division activities.

Research Assistants

Miss Dacumos - Preparation of information relating to the scope of exemption from import duties for Bank/IDA financed projects and a study of the customs duties and other customs charges in Equatorial and West African Customs Union (8 days). Assistance to Messrs. Christoffersen and Auselle relating to Pakistan budget data (2 days).

Miss Meldau - working with Messrs. ~~Churchill~~ and Haber in connection with the Central American road user charges study (11 days).

SPlease/lo

cc: Messrs. Kemarck and Stevenson

Mr. J. H. Collier

December 18, 1967

S. N. Kao *Law*

Comparative Analysis Division

1. During December 1 to 15, members of the Division were occupied with the following:

A. Miscellaneous short-term assignments:

- (a) Memorandum on expenditure for the war in the U.S. budgets during 1938 to 1947 (in connection with Lady Jackson's letter to Mr. Friedman).
- (b) Preparation of tables (for Mr. Adler) indicating population, GNP and GNP per capita for 75 sample countries categorized by income groups and calculation of growth rates for the group totals.

B. Research studies:

- (i) Bank's policy understanding with member countries - This study so far covers Bank's understanding with Argentina, Brazil, Colombia, Peru, Mali and Uganda. During the period under review some further work was done on Brazil and Uganda.
- (ii) Import study - The case study of Taiwan was continued till December 7, 1967 when Mr. Maane was asked to temporarily assist the International Finance Division.
- (iii) Bank's estimates of capital inflow - Some work was done on the revision of data for Cameroon. The revision of figures for India on the basis of October 1967 report was also taken in hand.

2. Mr. Maane was mainly concerned with items A(a) and B(ii). Mr. Streng was busy with item A(b). I was occupied with item B(i) and the usual administrative work. Mr. Shahi did the preliminary work on item B(iii). He also helped Messrs. Maane and Streng in the calculations connected with items A(b) and B(ii).

3. Mr. Maiss continued to be on assignment for the Coffee Study at Rome. Mr. Maane was temporarily transferred to the International Finance Division as from December 8, 1967. Mr. Streng was busy with his Orientation Session from the 11th to the 13th December 1967. I was also on sick-leave on December 13, 14 and 15.

SNKao:osb

Messrs. Kamarck
Stevenson

Mr. Alexander Stevenson

December 15, 1967

E.K. Hawkins

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending December 15, 1967

Major Studies

Other Activities

E.K. Hawkins

- Preparation of draft paper on Malaysia.

Redrafting of sections of Capital Inflow paper

Editorial work on paper on Indian planning models.

(5 days)

General supervision.

Preparation of guidelines for the Treatment of Population in Economic Reports

(5 days)

A. Elsaas

- Completion of revision of paper on Indian planning models.
(10 days)

R.J. Niebuhr

- Further work on econometric model for Malaysia, including programming for simulation exercises.
(10 days)

H.G. Carter

- Uganda structural model.
Jamaica structural model.

(5 days)

Advice on computer.

Technical advice to New Zealand mission.

Review of papers.

Reading and research.

Programming of debt model.
(5 days)

K. Krishnamurty

- Engaged in Bank/Fund Commodity Study (10 days)

G. Zaidan

-

Preparation of paper on benefits and costs of population control
(7½ days)

Orientation course
(2½ days)

Research Assistants

Dana Elvis -

Assistance to Mr. Carter:

Jamaica Model - Real Sector (1 day)

Jamaica Model - Monetary Sector (5 days)

Assistance to Mr. Zaidan:

Population study - (3 days)

W.L. van der Valk -

Assistance to Mr. Carter:

General programming (2½ days)

Uganda model simulation (1½ days)

New Zealand projections (1 day)

Assistance to Mr. Niebur:

Malaysian model simulation (3 days)

Malaysian model sensitivity analysis (½ day)

Assistance to Mr. Krishnamurty:

Commodity study (1½ days)

EK:mdns/v

cc: Messrs. de Vries, Bhatia, Niebur, Carter, Krishnamurty and Zaidan

Mr. Andrew M. Kamarok

December 7, 1967

Arthur E. Tiemann *AT*

Progress Report of Statistical Services Division
for the period November 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	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	5(2)	-	9(1)	2	6(4)	1	18	1	17(3)
Current tables:										
6/30/67	-	1(1)	-	7(1)	1	3(2)	1	10	1	7(1)
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	1	-	1	1	1(1)	-	3	-	3
6/30/66	-	1(1)	-	-	-	1	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
6/30/67	-	-	-	-	-	-	-	-	-	1(1)
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	-	-	1	-	1(1)	-	5	-	3(1)
12/31/65	-	-	-	-	-	-	-	-	-	1

Note: Excludes 10 countries in abeyance; () = number of countries started during the period.

Work	Requested by	Status
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Compilation of debt outstanding and service payments by country and area for all developing and developed countries	Economics	In progress
5. Peru - preparation of amortization schedule for proposed IBRD loan	W. Hem. (Zaradin)	Completed
6. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress

December 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Brazil - checking debt reports	W. Hem.	In progress
8. Spain - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	In progress
9. Guinea - preparation of memorandum on debt submissions as of June 30, 1967 and Dec. 31, 1966	Africa	In progress
10. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967	Africa	In progress
11. Senegal - examination of debt data	Africa	Completed
12. Ivory Coast - preparation of memorandum on debt submission as of Dec. 31, 1966	Africa	Completed
13. Pakistan - preparation of memorandum on debt submission as of Dec. 31, 1966	Asia	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
4. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
5. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
6. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
7. Moderately complicated regression analysis: Logistic growth curve for yield of wheat in Lahore	Ec. (Oury)	Completed
8. Simple collection of data: Taiwan - exports of vegetables, 1960-66	Ec. (Villafuerte)	In progress
9. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress

Mr. Andrew M. Kamarok

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December 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis and data collection: Price stabilization study - i) price trends and deviations during 1950-66 for large number of commodities	Ec. (Macone)	In progress
ii) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
iii) exports of principal primary commodities for 20 countries from 1953-65	Pres.Off. (Avramovic)	In progress
11. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In progress
12. Moderately complicated calculations: Norway - calculations on production, consumption and trade for detailed commodities for the years 1949, 1953, 1958, 1961, 1965	Ec. (Balassa)	Completed
13. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Ghadenet)	In progress
14. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Haltin)	In abeyance
15. Simple calculations: Ceylon - calculate costs and benefit figures, rate of return for a housing project	Proj. (Sönlley)	In progress
16. Simple calculations: Checking up some figures and rate of return calculations	Proj. (Vibert)	Completed

Mr. Andrew M. Kamarok

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December 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
17. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
18. Moderately complicated tabulations: Breakdown by purpose of IBRD loans and IDA credits to 10 Near Eastern countries, cumulative totals 1960 and 1967	Inf. (Eliason)	Completed
19. Moderately complicated data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
20. 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
21. Moderately complicated data handling: Korean Mission - statistical material for report	Asia (Jansen)	In progress
22. Complicated calculations: Servicing in Port Model - Data preparation for operations research model - Poisson distribution of ship arrivals, servicing and waiting time from Mogadiscio Port during 1964	Adm. (Pouliquen)	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. Simple program to generate Present Value tables	Proj. (Wouters)	In progress
3. Complex simulation of lighterage facilities in port activity	Adm. (Fouliquen)	In progress
4. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Adm. (Fouliquen)	In progress
5. Participation in the activities of the computer working committee	Adm. (Fraser)	Completed
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
7. 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 abeyance
8. Modifications to multiple regression program (DAM)	Ec. (Oury)	In progress
9. Highly complex system analysis and programming: Processing of creditor information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
10. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N.Carter, Niebuhr)	In progress
11. Simple program to produce tables of IBRD and IDA commitments by purpose and country or group of countries	Ec. (Statistics)	In progress
12. Simple computer program to calculate accumulation tables for debt model	Asia (King)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Brazil Transport Survey chart, revised	Proj. (Engelmann/Kjeldby)	Completed
2. Colombia - Bogota Water Supply Project - 3 charts	Proj. (Krombach)	On hand
3. Malagasy Republic educational charts prepared in French	Proj. (Stewart)	In progress
4. Malawi - organization chart and diagram revised	Proj. (Haynes)	Completed
5. Papua and New Guinea - telephone subscribers development chart	Proj. (Minton)	Completed
6. Ecuador - one schedule	Proj. (Germanacos)	On hand
7. Brazil - Transport survey manpower estimate and schedule	Proj. (Hansen)	Completed
8. Sudan - Central Electricity and Water Corporation - Blue Nile Grid-1 chart	Proj. (Huang)	Completed
9. Relationship between paper consumption per capita and GNP per capita - 5 charts	Ec. (Germanacos/Datas)	On hand
10. 3 charts on manufacturing operations	Ec. (Cilingiroglu)	Completed
11. Lahore District - long range yield projections in wheat and wheat averages irrigated	Ec. (Oury/Kim)	Completed
12. Organization chart - Turkiye Sinai Kalkimara Bankasi, A.S.	IFC (Jeffries/Gustafson)	Completed
13. Cia Fundidora de Ferro y Acero de Monterrey - 1 chart	IFC (Kneip)	Completed
14. Dominican Republic - rate, wages, exports and imports, etc. - 6 charts	W. Hem. (Pichler)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBERD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBERD, IDA and IFG loans.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBERD and IDA disbursements.
2. Maintenance of IBERD 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 IBERD-IDA loans and credits by economic purpose.

PROGRAMMING

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

cc: Mr. Stevenson
AETiemann/ms

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	3/22/67	-	In progress
Morocco	12/31/66; 6/30/67(new)	-	-	In progress
Tunisia	6/30/66(new)	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSO	6/30/67	-	-	In abeyance
Ethiopia	6/30/67	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Nigeria	6/30/67	-	-	In progress
Rwanda	6/30/67(new)	-	-	In progress
Sudan	6/30/67	-	-	In progress
Tanzania	6/30/67	-	-	In progress
Uganda	6/30/67	-	-	In progress
Zambia	6/30/67	12/31/66	-	In progress
<u>ASIA</u>				
Australia	6/30/67(new)	-	-	In progress
Ceylon	12/31/66; 6/30/67(new)	-	-	In progress
China	6/30/67	-	-	In progress
Indonesia	6/30/66	-	-	In progress
Malaysia	6/30/67	-	-	Completed
Pakistan	12/31/66	-	-	Completed
"	-	12/31/66(new)	-	In progress
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	6/30/67	-	-	In progress
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	In progress
Finland	6/30/67	-	-	Completed
Iceland	6/30/67	-	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Norway	6/30/67	-	-	In progress
South Africa	6/30/67	12/31/66	-	In progress
Spain	12/31/66	12/31/66	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67	-	-	In progress
Chile	12/31/65; 6/30/66;	-	-	In progress
	12/31/66	-	-	In progress
Colombia	12/31/66; 6/30/67	-	-	In progress
Costa Rica	6/30/67(new)	-	-	In progress
Dom. Republic	6/30/67	12/31/66(new)	-	Completed
"	-	12/31/66(new)	Ross	In progress
Haiti	12/31/63; 12/31/64; 6/30/65;	-	-	In abeyance
	6/30/66; 12/31/66	-	-	In abeyance
Honduras	6/30/67	-	-	In progress
Mexico	6/30/67(new)	12/31/65; 12/31/66	Ross	In progress
Paraguay	6/30/67	-	-	In progress
Venezuela	6/30/67	-	-	In progress

Statistical Services Division
Economics Department
December 7, 1967

Mr. Andrew M. Kuzarek

December 5, 1967

Mandayan A. Sreedhar *ms*

Principal Activities of the Industrialization Division - November 16-30

- Sreedhar:**
1. General supervision.
 2. Commented on plan for study of Investment Costs for Nitrogen Fertilizer Industry.
 3. Orientation (2 days)
- Baranson:**
1. Revised draft on Automotive Industries Study. (3 days)
 2. Follow-up work on New Zealand Report (3 days).
 3. Consultations and meetings on Middle Eastern Project. (1 day)
 4. Meeting and consultation with Organization of American States, Department of Scientific Affairs on Science and Technology programs for Latin America. (2 days)
 5. Lectured at Industrial College of the Armed Forces on "Automotive Industry in Western Europe and Japan". (2 days)
- Gilingiroglu:**
1. Worked for Mr. de Vries on his study on Preference for Domestic Manufacturer. (7 days)
 2. Worked on study on Investment Cost in Nitrogen Fertilizer Industry. (1 day)
 3. Reviewed Heavy Electrical Equipment Report. (2 days)
- Datas:**
1. Worked for Mr. de Vries and completed note on measures of comparative costs and protection for heavy mechanical industry in Argentina and Mexico. Prepared four letters to U.S. and European manufacturers of heavy mechanical equipment requesting comparative cost data. (2 days)
 2. Worked on study of the Pulp and Paper Industry, mainly on chapter dealing with World Trends in Consumption, production and trade. (7 days)
 3. Leave (1 day)
- Nowicki:**
1. Returned from Mission to Guinea on 16th Nov.
 2. Prepared for Mission to Colombia. (1 day)
 3. On Mission to Colombia 18-25 November. (8 days)
 4. Discussed results of the Mission to Colombia and prepared outline for future work in this field. (1 day)
 5. Discussed necessary adjustments of the paper on French Development Thinking (½ day)
 6. Continued writing a paper on industry policy in Developing countries (2½ days)
 7. Attended Spanish course (one hour daily)

Schrenk:

1. Returned from Indonesian Mission on November 27.
2. Worked on his Back-to-Office report.

Villela:

Worked on report on Ceylon mission.

May:

1. Updated the record of steel prices kept in the Division.
2. Assisted Mr. Gilingiroglu in rechecking Heavy Electrical Equipment consumption data for several countries.
3. For Mr. de Vries' project on Preference for Domestic Manufacturer, assisted Mr. Gilingiroglu by making some computations.

Martinez:

1. For Mr. de Vries' project on Preference for Domestic Manufacturer, worked on comparative prices of Heavy Electrical Equipment in Mexico, Brazil and Pakistan.
2. Did work for Mr. Villela on Ceylon.
3. Helped Mr. Walstedt in preparing a bibliography on industry studies available.

Turay:

Continued work on the Automotive Industry.

MAS:ph

c.c. Messrs. Stevenson, van der Tak
Industrialisation Division

Mr. J. H. Collier

December 1, 1967

S. N. Kao *SNKao*

Comparative Analysis Division

1. During November 16-30, members of the Division were occupied with the following:

A. Miscellaneous short-term assignments:

- (a) Two memoranda on the increase in the cost of living in U.S.A. during 1967 and the prospects for 1968 (for Mr. Kamarck's use).
- (b) Memorandum on French aid institutions (FAC, FIDES and FIDOM) - for Mr. Adler's use.
- (c) Editing of Mr. Adler's German article on international capital movements and his letter to the publishers. Also preparation of the bibliography to the article.
- (d) Briefing the Bank's country economist for Ethiopia on the economy of that country.

B. Research studies:

- (i) Bank's policy understandings with member countries: The study was continued particularly with reference to Uganda.
- (ii) Import study: The case study on import behaviour in China (Taiwan) was continued. In this connection some discussions were also held with the country economist.
- (iii) Bank's estimates of capital inflow: The statistical tables were finalized on the basis of the Bank's Country Economic Reports up to the end of September 1967. Revision of data on the basis of subsequent reports has also been undertaken.

2. Mr. Maane was mainly concerned with items A(d) and B(ii). Mr. Streng was busy with items A(b), A(c) and B(iii). I was engaged with items A(a) and B(i). Mr. Shahi (Research Assistant) helped in collecting information on U.S. price indices (relevant to item A(a)). He also worked on the revision of capital inflow data on Malaysia and Gabon (for item B(iii)) and prepared time series on imports and exports in Taiwan (for item B(ii)).

3. Mr. Maiss continued to be on assignment to Rome for the coffee study.

SNKao:osb

cc: Messrs. Kamarck
Stevenson

Mr. H. G. van der Tak

December 1, 1967

Jochen Schmedtje *JS*

Principal Activities of Investment Planning Division, November 16 - 30

- Abe (YP) : Continued work on study of optimum depth of ports (6 days). Prepared for and away on mission to Chile and Peru (4 days).
- Davis : Returned from mission to Ceylon on November 20. Worked on the preparation of the tourism sections of the Ceylon mission report (7 days). Miscellaneous (1 day).
- de Weille : Reviewed and commented on draft appraisal report regarding a railway project in Yugoslavia (2 days). Miscellaneous (2 days). Annual leave (6 days).
- Lall : Joined the Division on November 17. Started work on study of project evaluation in inflationary conditions (9 days).
- Meros : Further sorting out of the results of regression analysis of data on public expenditure patterns and supervision of their graphical representation (3 days). Reviewed and commented on T. R. Lee, "Water Supply and Economic Development", draft dissertation, University of Toronto (3 days). Reviewed literature on sector analysis (4 days).
- Oury : Continued work on Part III of draft study exploring the possibilities of deriving agricultural production models for developing countries (7 days). Miscellaneous (3 days).
- Reutlinger : Prepared proposals for research projects (5 days). Worked on revision of draft paper on treatment of uncertainty in project analysis (3 days). Miscellaneous (1 day). Spanish lessons (1 day).
- Schmedtje : General supervision.
- Thias : Completed drafts of detailed outline of and data requirements list for Kenya case study in educational planning (8 days). Attended symposium on educational planning organized by the Department of Health, Education, and Welfare (1 day). Miscellaneous (1 day).
- Abudabbeh (RA) : Prepared graphs showing results of regression analysis of data on public expenditure patterns for Mr. Schmedtje (6 days). Miscellaneous (1 day). Annual leave (3 days).
- Kim (RA) : Assisted Mr. Oury in the collection and processing of data regarding the wheat production model for the Lahore district (full time).

cc: Mr. A. Stevenson

JSchmedtje:jln

Mr. J. H. Collier

December 1, 1967

Stanley Fleese

Report on the Activities of the Domestic Finance Division, Nov. 16-30, 1967.

Major Studies

Mr. Holsen has continued work on completing the report of the research mission to Brazil (7 days).

Mr. Beier completed the first draft of his paper on Pakistan electricity load control (2 days).

Mr. Christoffersen continued work on the study of financial institutions in Pakistan particularly relating to the institutional financing of agriculture. Prepared his back-to-office report on his mission to Pakistan and contributions to the Project Department's appraisal mission report for the second loan to the Agricultural Development Bank of Pakistan (9 days).

Mr. Sciulli returned from Tunisia on the 20th of November and has since been preparing his back-to-office report and his contribution to the report of the general economic mission (8 days).

Mr. Churchill continued work on the Central American road user charges study (10 days).

Mr. Haber (temporarily assigned from the Western Hemisphere Department) has continued work on the Central American road user charges study (10 days).

Mr. Anselle (Young Professional) has undertaken preliminary work for his study of agricultural taxation in Pakistan and his membership of the economic mission to Pakistan (10 days).

Mr. Basoah returned from Zambia on the 27th of November and has since been preparing his back-to-office report and his contribution to the report of the general economic mission (4 days).

Other Activities

Mr. Holsen has been preparing background papers and engaging in discussions relating to the visit in Washington of the Brazilian Minister of Finance (3 days).

Mr. Edlund has been in Colombia with an Education Division mission.

Mr. Beier was in Spain from the 20th to the 24th of November participating in discussions with the European Department and the Transport Division of the Projects Department regarding the proposed study relating to the coordination of transport. He has since prepared a back-to-office report and is participating in the preparation of a paper for the mission relating to the discussions (7 days).

Mr. Basoah - French class (1 hour each day).

Mr. Churchill - Spanish class (1 hour each day).

Mr. Please - supervision of Division activities.

Research Assistants

Miss Dacross - Preparation of background information on customs duties on Bank-financed projects in Niger, Jamaica, Honduras, New Zealand, and Mexico, in connection with the study of the Working Party on import duties on goods financed by the Bank (10 days).

Miss Maldau - Has been working with Messrs. Churchill and Huber in connection with the Central American Road User Charges Study (9 days).

SPlease/1c

cc: Messrs. Kazarek and Stevenson

Domestic Finance Division

Part I - In Progress

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man- Mos.</u>	<u>Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Remarks</u>
Development Finance Problems in Brazil	An intensive study of certain problems in both the private and public sectors relating to the mobilization of financial resources for development.	13	Holsen	8/15/66	Aug 67	Dec. 67	Draft report is being completed and should be available shortly.
		13	Christof- fersen	8/1/66			
		12	Sciolli	8/1/66			
Earmarking Study	A survey of the general literature on the earmarking of public revenues and the collection of data and other information which is available from published sources on earmarking.	10	Eklund	1/1/67	-	-	Due to the unexpected request from the Projects Department for Mr. Eklund to participate in an educational mission to Colombia during the whole of Nov. and Dec. and also the probability that he will be participating in an economic mission to the Philippines during the first 3 to 4 months of 1968, this study has had to be postponed for at least 6 months.
Load Control Study in West Pakistan	The study is an attempt to review the theoretical literature concerned with load control, to review the experience of individual countries with load control and to apply these ideas to West Pakistan.	6	Reier	6/1/67	Mid- Nov. 67	Dec. 30 67	A first draft of the study is at present being subject to discussion within the Division.
Central American Road User Charges Study	This is an interdepartmental study (Western Hemisphere Dept., Projects Dept., Economics Dept.) which is being undertaken in the Economics Department. It has two objectives: firstly, it pre	7 7 2	Churchill Huber Walters* Soges** Parks** Bronfman**	10/May 67 10 May 67 July 67	Mid- Dec.	-	A working outline of the study was subject to discussion by the steering committee on Nov. 3, 1967.

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man- Nos. Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Remarks</u>
	represents a case study of Prof. Walters' analytical study of road user charges and, secondly, it is an operational study which is intended to derive conclusions regarding the level and pattern of charges which should be recommended to the Central American Governments.					
Financial Market Study in Pakistan	This is one of a series of country studies on certain problems of domestic development finance particularly those relating to the flow of funds to the agricultural sector, to export financing and to regions requiring selective treatment in the allocation of financial resources.	6 Christofer- sen	Mid- Oct. 67	30 Apr. 68	-	-
Agricultural Taxation (Tunisia)	This is the first of a series of country studies of the problems of taxation of the agricultural sector in developing countries.	6 Sciolli	1 Oct. 67	31 Mar. 68	-	-
Agricultural Taxation (Pakistan)	This is the second country study which has been commenced.	6 Anselle (I.P.)	25 Oct 67	30 Apr 68	-	The field work for this study will be undertaken by Anselle in collaboration with the Asia Dept. He will be a member of a general economic mission to Pakistan.

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man- Nos.</u>	<u>Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Remarks</u>
<u>Part II - Planned</u>							
Agricultural Taxation (India)	This is the third of a series of country studies of the problems of taxation of the agricultural sector in devel- oping countries.			Early Dec. 67	May 68	-	This study will be commenced when Mr. Abbate is assigned to the Division as a Young Professional, in early December 1967.

Mr. Alexander Stevenson

December 1, 1967

E.K. Hawkins *EKH*Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending November 30, 1967

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Preparation of draft paper on Malaysia. Redrafting of sections of Capital Inflow paper (5 days)	General supervision. Preparation of guidelines for the Treatment of Population in Economic Reports Consideration of draft economic report on Dehansy for Working Party. (4 days)
A. Elsas	- Revision of paper on Indian planning model (9 days)	
R.J. Niebur	- Further work on econometric model for Malaysia, including consideration of import classification required. (9 days)	
N.G. Carter	- Uganda structural model. Jamaica structural model. (1 1/2 days)	Advice on computer. Technical advice to New Zealand mission. Review of papers. Import classification project. Reading and research. Programming of debt model. Technical advice to East Africa mission. (1 1/2 days)
K. Krishnamurty	- Engaged in Bank/Fund Commodity Study (9 days)	

December 1, 1967

Major StudiesOther Activities

G. Zeidan -

Attendance at conference,
University of Michigan.Preparation of guidelines
for the Treatment of Population
in Economic ReportsPreparation of paper on the
benefits and costs of
population control.

(9 days)

Research Assistants

Dawn Elvis -

Assistance to Mr. Carter:
Jamaica model
(9 days)

W.L. van der Valk -

Assistance to Mr. Krishnamurty:
Commodity study
(4 days)Assistance to Mr. Niebuhr:
Sensitivity Analysis of Malaysia model
(1½ days)Assistance to Mr. Carter and Mr. Niebuhr:
Making UNCTAD simulation program operative
(1½ days)Assistance to Mr. Carter:
Simulation of Uganda model (1 day)
Miscellaneous programming problems (1 day)

EKHedkins/w

cc: Messrs. de Vries, Bhatia, Niebuhr, Carter, Krishnamurty and Zeidan

Mr. Samir K. Ehatia

December 1, 1967

E.K. Hawkins



Monthly Report - Status of Major Studies

I wish to propose the following amendments to the "Status of Major Studies Report" for this Division". The first three items under Part III - Completed, should be moved from that part into Part I - In Progress. These are the two studies by Krishnamurty and the country model - Brazil under the heading de Vries/Liu. The following remarks should then be entered under the remarks column -

"under editorial review prior to distribution as a working paper"
(the above will apply to both the Krishnamurty papers.)

"Revisions completed. Further work subject to discussion."
(opposite the Brazil model).

The last entry under Part III Completed- (the Elsaas study of Indian Planning models) should also be moved into the Part I. The remarks column should then read -

"under editorial revision, prior to distribution to the Economics Committee for consideration as a blue cover report".

EKHawkins/w

EC Staff. P. R. ...

Mr. Jochen Schmedtje

November 30, 1967

H. David Davis

Principal Activities November 15 - 30

Since my return from mission to the Bank on November 20, I have been primarily working on the preparation of the tourism sections of the Ceylon report.

Mr. Andrew M. Kamarok

November 27, 1967

Arthur E. Tiemann *atj*

Progress Report of Statistical Services Division
for the period November 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									
	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	<u>4</u>	<u>3</u>	<u>33</u>	<u>8(2)</u>	<u>2</u>	<u>4(1)</u>	<u>2</u>	<u>19(1)</u>	<u>1</u>	<u>15(4)</u>
Current tables:										
6/30/67	2	-	2	6(1)	1	3(1)	2	11(1)	1	7(4)
3/31/67	-	-	-	-	1	-	-	-	-	-
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	1	1	1	1	-	1	-	3	-	3
6/30/66	-	-	-	-	-	-	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	1	-	-	1(1)	-	-	-	5	-	2
12/31/65	-	-	-	-	-	-	-	-	-	1

Note: Excludes 10 countries in abeyance; () = number of countries started during the period.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
3. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
4. Compilation of debt outstanding and service payments by country and area for all developing and developed countries	Economics	In progress
5. Review of debt material on "frame agreements" for African and Asian countries	Economics	Completed
6. Checking information on grant element in certain loans	Economics	Completed

November 27, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7/ Chile - preparation of memorandum on reporting of refinancing	W. Hem.	Completed
8. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
9. Brazil - checking debt reports	W. Hem.	In progress
10. Turkey - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	Completed
11. Spain - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	In progress
12. Portugal - preparation of memorandum on debt submission as of June 30, 1967	Europe	Completed
13. Malagasy - preparation of memorandum on debt submission as of June 30, 1967	Africa	Completed
14. Congo-Kinshasa - preparation of memorandum on debt submission as of June 30, 1967	Africa	In progress
15. Ethiopia - amortization schedule for proposed IBRD loan	Africa (Burney)	Completed
16. Ivory Coast - preparation of memorandum on debt submission as of Dec. 31, 1966	Africa	In progress
17. Tunisia - preparation of list of major reported additions from 12/31/66 to 6/30/67	Middle East & N. Africa	Completed
18. Pakistan - preparation of memorandum on debt submission as of Dec. 31, 1966	Asia	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Haskins, Carter)	In progress
2. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
3. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
4. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
5. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goer)	In progress
6. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
7. Moderately complicated regression analysis: Logistic growth curve for yield of wheat in Lahore	Ec. (Oury)	In progress
8. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities etc.	Ec. (Lovasy)	Completed
9. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Moderately complicated regression analysis: Price stabilization study - i) price trends and deviations during 1950-66 for large number of commodities	Ec. (Macone)	In progress
ii) cocoa stock and supply model for world, Ghana, and Nigeria, 1950-66	Ec. (Krishnamurty)	In progress
iii) exports of principal primary commodities for 20 countries from 1953-65	Pres.Off.(Avramovic)	In progress
11. Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In progress
12. Moderately complicated data collection and tabulations: Detailed exports of non-electric machinery from developed to less developed countries 1955 and 1965	Ec. (Walstedt)	Completed
13. Moderately complicated calculations: Norway - calculations on production, consumption and trade for detailed commodities for the years 1949, 1953, 1958, 1961, 1965	Ec. (Balassa)	In progress
14. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Chadenet)	In progress
15. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Haltin)	In abeyance
16. Routine checking: Malaysia Project report	Proj. (Vibert)	Completed
17. Routine checking: Second Tunisian Port Loan	Proj. (Higginbottom)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
18. Simple calculations: Chile Highway - calculations of rate of return	Proj. (Roth)	Completed
19. Simple calculations: Agricultural Project - calculations of rate of return	Proj. (Sonley)	Completed
20. Routine checking: Ivory Coast Highway Project	Proj. (Ludwig)	Completed
21. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commo- dity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
22. Moderately complicated tabulations: Summary of IBRD and IDA disburse- ments in Canada by supplier and equipment, first half of 1967	Inf. (Osborn)	Completed
23. Moderately complicated data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
24. 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
25. Moderately complicated data handling: Korean Mission - statistical material for report	Asia (Jansen)	In progress
26. Moderately complicated calculations and tabulations: India - adding and summarizing by commodity group individual imports	Asia (Neuner)	Completed
27. Simple calculations: Average monthly shares, price move- ments from Tasek cement report 1964-67	IFC (Toutoumji)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
28. Complicated calculations: Servicing in Port Model: Data preparation for operations research model - Poisson distribution of ship arrivals, servicing and waiting time from Mogadiscio Port during 1964	Adm. (Pouliquen)	In progress
29. Simple data collection: Sugar - consumptions, prices, etc.	Adm. (Vuckovic)	Completed
30. Simple data tabulations: Lesotho - budgetary and develop- ment expenditures 1962/63-1966/67	Europe (Simmons)	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. Complex simulation of lighterage facilities in port activity	Adm. (Pouliquen)	In progress
3. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Adm. (Pouliquen)	In progress
4. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress
5. 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 abeyance
6. Complex systems analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
7. Highly complex system analysis and programming: Processing of creditor information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
8. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N. Carter, Niebuhr)	In progress
9. Simple program to produce tables of IBRD and IDA commitments by purpose and country or group of countries	Ec. (Statistics)	In progress
10. Simple computer program to calculate accumulation tables for debt model	Asia (King)	In progress
11. Simple program to produce grant element tables	Pres.Off. (Shoaib)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Ecuador - employment and education 2 charts (sketches)	Proj. (Lethem)	Completed
2. Ecuador - 3 educational charts	Proj. (Germanacos)	Completed
3. Malagasy Republic educational charts prepared in French	Proj. (Stewart)	On hand
4. Chad - 2 educational charts	Proj. (Blakey)	Completed
5. Papua and New Guinea - telephone subscribers development chart	Proj. (Minton)	On hand
6. Guatemala - INDE historical and forecast maximum demands	Proj. (Fish)	Completed
7. Malaysia - Federal Land Dev. Authority organization chart	Proj. (Walden)	Completed
8. Papua and New Guinea organization chart	Proj. (Minton)	Completed
9. Light trucks, passenger cars, etc., 3 charts	Ec. (Turay)	Completed
10. 3 charts on manufacturing operations	Ec. (Gilingiroglu)	In progress
11. Lahore District - area, yield, and production of wheat - 4 charts	Ec. (Kim)	Completed
12. West Pakistan capacity and demand chart	IFC (Feige)	Completed
13. Morocco revised organization chart	IFC (Karcher)	Completed
14. Update IBRD and IFC cable count chart	Adm. (Langley)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBERD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. Highly technical drafting of manual of instructions for treatment and processing of external debt.
9. Maintenance of records on IBERD, IDA and IFC loans.

GENERAL STATISTICS

1. Maintenance of supplier vouchers on IBERD and IDA disbursements.
2. Maintenance of IBERD 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 IBERD-IDA loans and credits by economic purpose.

PROGRAMMING

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

cc: Mr. Stevenson
/ms

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	3/22/67	-	In progress
Iraq	12/31/66; 6/30/67	12/31/66	-	Completed
Jordan	6/30/67	-	-	Completed
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSO	6/30/67	-	-	In abeyance
Ethiopia	6/30/67	-	-	In progress
Ivory Coast	12/31/66	-	-	Completed
Kenya	6/30/67	-	-	Completed
Laos	6/30/66	-	-	In abeyance
Nigeria	6/30/67	-	-	In progress
Somalia	6/30/67	-	-	Completed
Sudan	6/30/67	-	-	In progress
Tanzania	6/30/67	-	-	In progress
Uganda	6/30/67	-	-	In progress
Zambia	6/30/67(new)	12/31/66(new)	-	In progress
<u>ASIA</u>				
China	6/30/67	-	-	In progress
India	3/31/67	-	-	Completed
Indonesia	6/30/67	-	-	In progress
Malaysia	6/30/67(new)	-	-	In progress
Pakistan	12/31/66	-	-	In progress
Thailand	6/30/67	-	-	Completed
<u>EUROPE</u>				
Austria	6/30/67	12/31/66	-	In progress
Belgium	6/30/67	-	-	In progress
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	In progress
Finland	6/30/67	-	-	In progress
Iceland	6/30/67	-	-	In progress
Italy	6/30/67	12/31/66	-	In progress
Malta	6/30/67	-	-	Completed
Netherlands	6/30/67	-	-	Completed
Norway	6/30/67	-	-	In progress
South Africa	6/30/67(new)	12/31/66	-	In progress
Spain	12/31/66	12/31/66	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67	12/31/66	-	In progress

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	12/31/66; 6/30/67(new)	-	-	In progress
Chile	12/31/65; 6/30/66; 12/31/66	-	-	In progress
Colombia	12/31/66; 6/30/67(new)	-	-	In progress
Dom. Republic	6/30/67(new)	-	-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65; 6/30/66; 12/31/66	-	-	In abeyance
Honduras	6/30/67	-	-	In progress
Mexico	-	12/31/65; 12/31/66	Ross	In progress
Paraguay	6/30/67(new)	-	-	In progress
Trinidad & Tobago	6/30/67	-	-	Completed
Venezuela	6/30/67	-	-	In progress

Statistical Services Division
Economics Department
November 27, 1967

Mr. Alexander Stevenson

November 17, 1967

E.K. Hawkins

ELH

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending November 17, 1967

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- Discussions and background work on Malaysia Editorial work and discussion on the study of Indian planning models. Further work on the Jamaican model (4 days)	General supervision. Consideration of the treatment of population in Bank economic reports. (6 days)
A. Elsas	- Revision of paper on Indian planning model (10 days)	
R.J. Niebuhr	- Further work on econometric model for Malaysia, including consideration of import classification required. (10 days)	
N.G. Carter	- Uganda structural model Jamaica structural model (6 days)	Advice on computer. Technical advice to New Zealand mission Review of papers Import classification project Reading and research (4 days)
K. Krishnamurty	- Engaged in Bank/Fund Commodity Study (10 days)	
G. Zaidan	-	Consideration of the treatment of population in Bank economic reports Preparation for and attendance at conference, University of Michigan. (10 days)

Mr. Alexander Stevenson

- 2 -

November 17, 1967

Research Assistants

Dawn Elvis -

Assistance to Mr. Carter:

Jamaica model
Library research
Uganda model
(10 days)

W.
W.L. van der Valk -

Assistance to Mr. de Vries/Krishnamurty:
Non-recursive linear model simulation
program for Brazil (5 1/2 days)

Assistance to Mr. Krishnamurty:
Commodity Study (2 1/2 days)

Assistance to Mr. Carter:
Technical advice to New Zealand mission
(2 days)

EKHawkins/w

cc: Messrs. de Vries, Bhatia, Niebuhr, Carter, Krishnamurty and Zaidan

Mr. H. G. van der Tak

November 16, 1967

Jochen Schmedtje

Principal Activities of Investment
Planning Division, November 1-15

- Abe (YP) : Continued work on study of optimum depth of ports (full time).
- Davis : Away on mission to Ceylon.
- de Weille : Finished preliminary draft on optimum number of berths in ports (4 days). Worked with Mr. Abe on study of optimum depth of ports (1 day). Miscellaneous (1½ days). Annual leave (3½ days).
- Meroz : Completed revision of draft paper on urban water demand (5 days). Checked significance and summarized results of regression analysis of data on public expenditure patterns (4 days). French lessons (1 day).
- Oury : Continued work on Part III of draft study exploring the possibilities of deriving agricultural production models for developing countries (7½ days). Miscellaneous (2 ½ days).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project appraisal (6 days). Reviewed and commented on appraisal report regarding a forestry project in Zambia (1½ days). Miscellaneous (1½ days). Spanish lessons (1 day).
- Schmedtje : General supervision.
- Thias : Edited Mr. Blaug's draft study, Economic Planning of Education in Developing Countries (3 days). Continued to work on detailed outline of Kenya case study in educational planning (7 days).
- Abudabbeh (RA) : Computations and graphs for Messrs. de Weille (6 days) and Schmedtje (1 day). Miscellaneous (3 days).
- Kim (RA) : Assisted Mr. Oury in his work on the wheat production model for the Lahore district (full time).

cc: Mr. A. Stevenson

J Schmedtje:jln

Mr. Andrew M. Kasarck (through Mr. Collier)

November 16, 1967

Stanley Please

Report on the Activities of the Domestic Finance Division, Nov. 1 - 15, 1967

Major Studies

Mr. Holsen has continued work on completing the report of the research mission to Brazil (5 days).

Mr. Beier continued work on the Pakistan electricity load control study (8 days).

Mr. Churchill continued work on the Central American Road User Charges Study (8 days).

Mr. Huber (temporarily assigned from the Western Hemisphere Department) has continued work on the Central American Road User Charges Study (10 days).

Mr. Anselle (Young Professional) has undertaken preliminary work for his study of agricultural taxation in Pakistan and his membership of the economic mission to Pakistan. (10 days)

Other Activities

Mr. Holsen has prepared comments on the IMF paper "Measuring the Impact of the Budget in Developing Countries" by Messrs. Morse and Peacock (5 days).

Mr. Eklund has undertaken preliminary work for his assignment to an Education Division mission to Colombia for which he left Washington on November 8 (5 days).

Mr. Christoffersen returned from Pakistan on the 13th of November where he had been a member of the appraisal mission for the second loan to the Agricultural Development Bank of Pakistan. He is preparing his back-to-office report.

Mr. Beier has participated in discussions with the European Department and the Transport Division of the Projects Department re proposed visit to Madrid to advise on studies relating to the coordination of transport (1 day). He lectured and participated in an EDI course on transport coordination (1 day).

Mr. Basoah has been in Zambia as a member of the economic mission..

Mr. Sciolli has been in Tunisia as a member of a economic mission.

Mr. Churchill - Spanish class (1 hour each day).

Mr. Please - supervision of Division activities.

Nov. 16, 1967

Research Assistants

Miss Dacumos has been undertaking work connected with the problems assigned to the Working Party on import duties on goods financed by the Bank (10 days).

Miss Meldau has been working with Messrs. Churchill and Huber in connection with the Central American Road User Charges Study. (10 days)

SP/1c

cc: Messrs. Stevenson and Collier

Mr. J. H. Collier

November 16, 1967

S. N. Kao

SNKao

Comparative Analysis Division

1. During November 1-15, members of the Division were occupied with the following:

A. Miscellaneous short-term assignments:

- (a) Preparation of two tables (for Mr. Adler) on the lending activities of the first and the second European Development Fund.
- (b) Briefing the IMF desk officer for Ethiopia on the economy of that country.

B. Research studies:

- (i) Banks policy understanding with member countries - The study was carried on with reference to the developments in Mali since its independence (i.e. since 1960).
- (ii) Import study - Work on checking of import forecasts with the growth target for various countries was continued. As a case study, work was started on the examination of import behaviour in China (Taiwan).
- (iii) Banks estimates of capital inflow - The figures for East Africa were finalized. Work was carried on the revision of the figures (for about 40 sample countries) of:
 - (a) growth rates of GDP, exports, imports, consumption and investments,
 - (b) domestic saving rates (during 1964 and 1970),
 - (c) marginal savings rates, and
 - (d) incremental capital/output ratios.

2. Mr. Shahi (Research Assistant) was throughout the period, busy with calculations relating to items B(iii) (a), (b), (c) and (d) above. Mr. Streng prepared the tables mentioned at item A(a) above. He also finalized the capital inflow figures for East Africa. In addition, he has been checking Mr. Shahi's calculations and where necessary, reworking the figures. Mr. Maane was mainly concerned with items A(b) and B(ii) above. I was busy with item B(i) and the normal administrative work.

3. Mr. Maies continued to be on assignment for work on Coffee Study at Rome.

cc: Messrs. Kamarck
Stevenson

SNKao:osb

Mr. Andrew M. Kamarck

November 16, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - November 1-15.

Walstedt: 1. General supervision.
 2. Did some work on economics of Acindar steel project (Argentina).
 3. Continued work on Heavy Mechanical Equipment Report.

Baranson: 1. Redraft of Automotive Industries Study.

Cilingiroglu: 1. Editing Heavy Electrical Equipment Report. (7 days)
 2. Working for Mr. de Vries (on the issue of margin of preference). (3 days)

Datas: 1. Continued work on the pulp and paper industry mainly on chapter dealing with factor costs. (4 days)
 2. Started work on a brief note regarding recent trends in profitability for a selected group of steel companies. (4 days)
 3. Working on comparative costs and protection analysis requested by Mr. de Vries for the heavy mechanical industry. (2 days)

Lall: Home leave - returned November 15.

Nowicki: Guinea mission - returned November 16.

Schrenk: Indonesia mission.

Sreedhar: 1. Commented on the draft of the Heavy Electrical Equipment Industry. Commented on the study of Heavy Mechanical Equipment Manufacturing Industry, particularly on suggested sources and itinerary for field investigation in India.
 2. Started to draft outline for research project in the general area of steel industry economics and covering also the postwar experience with steel industries in developing countries.

Villela: Ceylon mission.

May: 1. Assembled information on prices for steel billets.
 2. Worked on financial information taken from annual reports of steel companies for steel manufacturing profitability study.

To Mr. Andrew M. Kamarck

-2-

November 16, 1967

- Martinez:
1. Joined the Division on November 1. Working on tariff calculations for Heavy Electrical Equipment with Mr. Cilingiroglu (for Mr. de Vries).
- Turay:
1. Concluded assistance to Mr. Baranson on New Zealand report and continued assistance to Mr. Baranson on Automotive Industry report.



BW:jg

cc: Messrs. Stevenson, van der Tak
Industrialization Division

Mr. Andrew M. Kamarck

November 16, 1967

George Kalmanoff

Progress Report for Period November 1-15, 1967

In addition to routine supervision of the International Divisions:

Guinea - prepared for mission, including French brush-up lessons; led economic policy discussion mission in Conakry November 7-15.

Colombia Coffee Study - reviewed draft materials submitted by mission members.

GKalmanoff:cc

G.K.

cc: Mr. Stevenson

Mr. Andrew M. Kamarek

November 6, 1967

Arthur E. Tiemann *A.E.T. by A. Kamarek*

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

A. EXTERNAL DEBT

1. Posting, coding and preparation of debt tables:

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA

Date	M-E. & N.A.		Africa		Asia		Europe		W. H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	7(1)	3(2)	9(3)	3	5	1	20(8)	4	11(1)
Current tables:										
6/30/67	-	2	-	7(3)	2	3	1	12(5)	2	4(1)
3/31/67	-	-	-	-	-	1	-	-	-	-
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2	1	2	1	1	-	3	1	2
6/30/66	-	-	-	-	-	-	-	-	-	1
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	1(1)	1(1)	-	-	-	-	5(3)	1	2
12/31/65	-	-	1(1)	-	-	-	-	-	-	1

Note: Excludes 12 countries in abeyance; () = number of countries started during the period.

Work	Requested by	Status
Preparation of data for debt model on developing countries	Ec. (de Vries)	Completed
3. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
4. Various countries - comparison of amount of dollar interest on local currency loans to total dollar service payments	Economics	In progress
5. Compilation of debt outstanding and service payments by country and area for all developing and developed countries	Economics	In progress
6. Review of debt material on "frame agreements" for African and Asian countries	Economics	In progress
7. Research on Commonwealth bonds of abnormal redemption and cancellation patterns	Economics	Completed

Mr. Andrew N. Kamarck

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November 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
8. Preparation of memorandum on foreign credits granted by GCC	Economics	Completed
9. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
10. Mexico - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem. (Ross)	Completed
11. Brazil - checking debt reports	W. Hem.	In progress
12. Mexico - preparation of table showing service payments for 1966	W. Hem. (Ross)	Completed
13. Tunisia - analysis of debt service projections 1967-70 based on 12/31/66 debt tables	M.E. & N.A.	Completed
14. Turkey - preparation of memorandum on debt submission as of 12/31/66	Europe	In progress
15. Greece - preparation of memorandum on debt submissions as of 12/31/66 and 6/30/67	Europe	Completed
16. Spain - preparation of memorandum on debt submission as of 12/31/66	Europe	In progress
17. Portugal - preparation of memorandum on debt submission as of 6/30/67	Europe	In progress
18. Malagasy - preparation of memorandum on debt submission as of 6/30/67	Africa	In progress
19. Congo-Kinshasa - preparation of memorandum on debt submission as of 6/30/67	Africa	In progress
20. Somalia - preparation of memorandum on debt submission as of 6/30/67	Africa	Completed
21. Pakistan - preparation of memorandum on debt submission as of 12/31/66	Asia	In progress
22. China - amortization schedule for proposed IBRD railway loan	Asia (Baig)	Completed

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins, Carter)	In progress
2. Complicated data search and regression analysis: Agricultural model - Indus Basis projection, yield, prices and numerous agricultural inputs	Ec. (Gury)	In progress
Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	Completed
4. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
5. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
6. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
7. Simple regression analysis: New Zealand - production and exports of selected commodities	Ec. (Hlz)	Completed
8. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities etc.	Ec. (Lovasy)	In progress
9. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress
10. Simple regression analysis: Current general administration expenditure - cross country analysis of GNP, tax and population	Ec. (Eklund)	Completed

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11.	Moderately complicated regression analysis: Commodity price stabilization - price trends and deviations during 1950-66 for large number of commodities	Ec. (Macone)	In progress
12.	Simple data collection and regression analysis: Data on production and consumption of woodpulp and paper for all areas of the world; per capita consumption related to GNP	Ec. (Datas)	Completed
13.	Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In progress
14.	Moderately complicated data collection and tabulations: Detailed exports of non-electric machinery from developed to less developed countries 1955 and 1965	Ec. (Walstedt)	In progress
15.	Moderately complicated calculations: Norway - calculations on production, consumption and trade for detailed commodities for the years 1949, 1953, 1958, 1961, 1965	Ec. (Balassa)	Completed
16.	Complicated calculations: Frequency distributions from Poisson and exponential probability distributions	Ec. (de Weille)	Completed
17.	Complicated analysis: Disbursement patterns of IHRD loans by purpose and projections	Proj. (Chadenet)	In progress
18.	Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
19.	Routine checking: El Salvador - Highway Project report	Proj. (Soges)	Completed
20.	Simple calculations: Chile road project - calculation of rate of return	Proj. (Roth)	Completed

Mr. Andrew M. Kamarck

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November 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
22. Moderately complicated data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
23. 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
24. Moderately complicated data handling: Korean Mission - statistical material for report	Asia (Jansen)	In progress
25. Simple calculations: Average monthly shares, price move- ments from Tasek cement report 1964-67	IPC (Toutounji)	In progress
26. Complicated calculations: Servicing in Port Model: Data prepa- ration for operations research model - Poisson distribution of ship arrivals, servicing and waiting time from Moga- discio Port during 1964	Adm. (Pouliquen)	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 program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Adm. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	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(OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. Simple program to product tables of IBRD and IDA loans by area and purpose	Ec. (Statistics)	Completed
8. Simple program to tabulate export, import and production data	Ec. (Balassa)	Completed
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. Education Division - Development of Projects	Proj. (Blaxall/Chadenet)	Completed
2. Malaysia - 8 educational charts	Proj. (McLellan/McMahon)	Completed
3. Sierra Leone - 1 chart	Proj. (D. King)	Completed
4. Chad - 2 educational charts	Proj. (Blakey)	On hand
5. Analysis of the operations of the Projects Dept. - 7 charts revised, 1 new chart	Proj. (Agnew/Chadenet)	Completed
6. Nicaragua - 1 chart	Proj. (Kupper)	Completed
7. Malaysia - Federal Land Dev. Authority organization chart	Proj. (Walden)	In progress
8. Sudan - Rahad Irrigation Project - the pattern of land holding, 2 charts	Proj. (Sicely)	Completed
9. New Zealand - 3 charts (sketches)	Ec. (Turay)	Completed
10. Linear Programming tableaux, 2 charts	Ec. (N. Carter)	Completed
11. Progress in Boiler manufacture chart	Ec. (Walstedt)	Completed
Light trucks, Passenger cars, etc., 3 charts	Ec. (Turay)	On hand
13. Jamaica - output vs. employment, 2 charts	Ec. (N. Carter)	Completed
14. Jamaica - 1 chart and 1 diagram	Ec. (N. Carter)	Completed
15. Lahore District - precipitation for Best and Worst years in wheat production	Ec. (Kim)	Completed
16. Lahore District - area, yield and production of wheat (4 charts)	Ec. (Kim)	In progress
17. United States - imports of green coffee	Ec. (Marsili/Lovasy)	Completed
18. West Pakistan Capacity and Demand chart	IFC (Feige)	On hand

Mr. Andrew M. Kamarok

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November 6, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
19. Organization chart, Industrial and Development Bank of Iran	IFC (Gupta)	Completed
20. IBRD lending rate and weighted average annual cost to IBRD	Europe (Cope)	Completed

E. CONTINUING - EXTERNAL DEBT

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

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).

cc: Mr. Stevenson
/ms

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	3/22/67	3/22/67	-	In progress
Iraq	12/31/66; 6/30/67	12/31/66(new)	-	In progress
Jordan	6/30/67	-	-	In progress
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
EACSO	6/30/67	-	-	In abeyance
Ethiopia	6/30/67(new)	-	-	In progress
Ivory Coast	12/31/66	-	-	In progress
Kenya	6/30/67	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Malagasy	-	12/31/65; 12/31/66(new)	-	Completed
Nigeria	6/30/67	-	-	In progress
Somalia	6/30/67	-	-	In progress
Sudan	6/30/67(new)	-	-	In progress
Tanzania	6/30/67(new)	-	-	In progress
Uganda	6/30/67	-	-	In progress
Zambia	12/31/66	-	-	Completed
<u>ASIA</u>				
China	6/30/67	-	-	In progress
India	3/31/67	-	-	In progress
Indonesia	6/30/67	-	-	In progress
Korea	12/31/66	-	-	Completed
New Zealand	6/30/67	-	-	Completed
Pakistan	12/31/66	-	-	In progress
Philippines	6/30/67	-	-	Completed
Thailand	6/30/67	-	-	In progress
<u>EUROPE</u>				
Austria	6/30/67(new)	12/31/66(new)	-	In progress
Belgium	6/30/67	-	-	In progress
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	In progress
Finland	6/30/67(new)	-	-	In progress
Iceland	6/30/67	-	-	In progress
Italy	6/30/67(new)	12/31/66	-	In progress
Malta	6/30/67	-	-	In progress
Netherlands	6/30/67(new)	-	-	In progress
Norway	6/30/67	-	-	In progress

Country	Projection & Date	Historical & Date	Requested by	Status
<u>EUROPE (CONT.)</u>				
Portugal	6/30/67	-	-	Completed
South Africa	-	12/31/66	-	In progress
Spain	12/31/66	12/31/66(new)	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66; 6/30/67(new)	12/31/66(new)	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	6/30/66; 12/31/66	-	-	In abeyance
Chile	12/31/65; 6/30/66;	-	-	In progress
	12/31/66	-	-	In progress
Colombia	12/31/66	-	-	In progress
El Salvador	12/31/66	-	Huber	Completed
Guatemala	6/30/67	-	-	Completed
Haiti	12/31/63; 12/31/64; 6/30/65;	-	van der	In abeyance
	6/30/66; 12/31/66	-	Heijden	In abeyance
Honduras	6/30/67	-	-	In progress
Mexico	-	12/31/65; 12/31/66	Ross	In progress
Panama	6/30/67	-	-	Completed
Trinidad & Tobago	6/30/67	-	-	In progress
Uruguay	-	12/31/66	-	Completed
Venezuela	6/30/67(new)	-	-	In progress

Statistical Services Division
Economics Department
November 6, 1967

Orig - Ec. Dept.
P. R

Mr. Andrew M. Kamarek (through Mr. Collier)

November 1, 1967

Stanley Please

Report on the Activities of the Domestic Finance Division, Oct. 16-31, 1967

Major Studies

Mr. Holsen continued work on completing the report of the research mission to Brazil (approximately 6 days).

Mr. Beier continued work on the Pakistan electricity load control study (9 days).

Mr. Churchill continued work on the Central American Road User Charges Study and participated in discussions related to this study (12 days).

Mr. Huber (temporarily assigned from the Western Hemisphere Department) has continued work on the Central American Road User Charges Study.

Mr. Anselle (Young Professional) arrived in the Division on the 25th of October for his third assignment under the Young Professional Training Program and has commenced his study of agricultural taxation in Pakistan.

Other Activities

Mr. Holsen has prepared comments on the draft paper on "Savings and Taxation" by Mr. Krisnamurty (2 days) and on other draft papers (2 days).

Mr. Eklund has completed a preliminary draft paper on the statistical relationship between government administrative expenditure and density of population, size of population, per capita income (8 days). He has also undertaken preliminary work for his assignment to an Education Division Mission to Colombia (4 days).

Mr. Basoah reviewed the draft economic report on Malawi (3 days) and continued preparatory work in connection with the economic mission to Zambia for which he left Washington on October 23.

Mr. Christoffersen has been in Pakistan throughout the period as a member of the appraisal mission for the second loan to the Agricultural Development Bank of Pakistan.

Mr. Sciolli has been in Tunisia throughout the period as a member of an economic mission.

Mr. Churchill - Spanish class (1 hour each day).

Mr. Beier - discussions with European Department and Transport Division of Projects Department re proposed visit to Madrid to advise on studies relating to the coordination of transport (1 day).

Mr. Please - work undertaken for the Working Party on Import Duties on Goods Financed by the Bank, and supervision of Division activities.

cc: Messrs. Stevenson and Collier.

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man-Mos. Req.</u>	<u>Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Remarks</u>
Financial Market Study in Pakistan	This is one of a series of country studies on certain problems of domestic development finance particularly those relating to the flow of funds to the agricultural sector, to export financing and to regions requiring selective treatment in the allocation of financial resources.	6	Christofersen	Mid-Oct 67	30 Apr 68	-	The first part of the field work for this study is at present being undertaken.
Agricultural Taxation (Tunisia)	This is the first of a series of country studies of the problems of taxation of the agricultural sector in developing countries.	6	Sciolli	1 Oct 67	31 Mar 68	-	The field work for this country study has been commenced during Mr. Sciolli's mission to Tunisia as a member of a general economic mission.
Agricultural Taxation (Pakistan)	This is the second country study which has been commenced. It will require approximately 6 months and will be undertaken by Mr. A	6	Anselle (Y.P.)	25 Oct 67	30 Apr 68	-	The field work for this study will be undertaken by Anselle in collaboration with the Asia Dept. He will be a member of a general economic mission to Pakistan.
<u>Part II - Planned</u>							
Agricultural Taxation (India)	This is the third of a series of country studies of the problems of taxation of the agricultural sector in developing countries.			Early Dec 67	May 68	-	This study will be commenced when Mr. Abbate is assigned to the when Division as a Young Professional, in early December 1967.

Domestic Finance Division

Part I - In Progress

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man-Mos. Req.</u>	<u>Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Remarks</u>
Development Finance Problem in Brazil	An intensive study of certain problems in both the private and public sectors relating to the mobilization of financial resources for development.	13	Holsen	8/15/66	Aug 67	None	Draft report is being completed and should be available during November.
		13	Christof- fersen	8/1/66		67.	
		12	Scioli	8/1/66	67		
		12					
Earmarking Study	A survey of the general literature on the earmarking of public revenues and the collection of data and other information which is available from published sources on earmarking.	10	Edlund	1/1/67	Nov 30 67	-	Due to the unexpected request from the Projects Department for Mr. Edlund to participate in an education mission to Colombia during the whole of November and December and also the probability that he will be participating in an economic mission to the Philippines during the first 3 to 4 months of 1968, this study has had to be postponed for at least 6 months.
Load Control Study in West Pakistan	The study is an attempt to review the theoretical literature concerned with load control, to review the experience of individual countries with load control and to apply	6	Beier	6/1/67	Mid- Nov. 67	Nov. 30 67	This is being undertaken in collaboration with Projects Department and members of the Indus Basin study team.
Central American Road User Charges Study	(See description in previous progress report, dated Oct. 17, 1967.)	7	Churchill Huber Walters* Sogas** Parkes**	10/May 67 10 May 67 July 67	Mid- Dec.		-

*Consultant **Projects Dept.

EC Def. P. Rpt

Mr. H. G. van der Tak

November 1, 1967

Jochen Schmedtje *JS*

Principal Activities of Investment
Planning Division, October 16-31

- Abe (YP) : Continued work on study of optimum depth of ports (full time).
- Davis : Away on mission to Ceylon.
- de Welle : Visited Stanford University and prepared back-to-office report (6 days). Worked on study of optimum number of berths in ports (3 days) and, with Mr. Abe, on study of optimum depth of ports (1 day). Miscellaneous (1 day).
- Maroz : Continued revision of draft paper on urban water demand (7½ days). French lessons and English writing course (1½ days). Annual leave (3 days).
- Oury : Worked on draft study exploring the possibilities of deriving agricultural production models for developing countries: continued work on Part III, West Punjab time series case study; revised draft paper on cross sectional analysis of West Punjab wheat watercourses data which now has become Part IV (11 days). Advised on design of cocoa model for Ghana (1 day).
- Reutlinger : Worked on revision of draft paper on treatment of uncertainty in project appraisal (5 days). Review of computer requirements, miscellaneous (2 days). Spanish lessons (1 day). Annual leave (4 days).
- Schmedtje : Reviewed and commented on appraisal report regarding a power project in the Sudan (1½ days). General supervision.
- Thias : Worked on detailed outline of Kenya case study in educational planning (full time).

cc: Mr. A. Stevenson

JSchmedtje:es

November 3, 1967

Mr. G. Kalmanoff

John Hilley

Progress Report - October 15-31

Major Studies

Other Activities

P. de Fontenay:

- (a) Regional Development Banks;
- (b) Debt Consolidation.
(8 days)

- (a) Preparatory work for Mr. Woods' Stockholm speech;
- (b) draft reply to questions by Mr. Escott Reid about Annual Report;
- (c) memo on countries eligible for balance of payments protection under proposal for IDA replenishment;
- (d) memo on co-operation of the Division with areadepartments on debt consolidations.
(4 days)

V. Dubey:

- (a) Completed note on Probability Estimates for IDA Disbursements;
- (b) did other work in connection with IDA replenishment.
(12 days)

U. Garcia-Tober:

- (a) Research on Central American Bank for Economic Integration, including discussions with Mr. Lomas of the IDB and Mr. Guerra of the Western Hemisphere Department;
- (b) study and preparation of draft note on Mr. Lluch's model on "Growth through External Indebtedness".
(12 days)

- (a) Duties relating to Chairmanship of Bank-IFC Spanish Practice Group.

A. Karasmanoglou:

- (a) Prepared final version of the long-term projections for Malawi;
- (b) participated in the Working Party meetings in Malawi;
- (c) prepared draft note on the status of co-operation between the IMF and the IBRD in the field of external debt statistics;

To: Mr. G. Kalmanoff

- 2 -

November 3, 1967

Major Studies

Other Activities

A. Karaosmanoglu(cont.)

- (d) prepared some statistics for Mr. Sacchetti on budget expenditures of Part I countries, in connection with the IDA replenishment exercise;
- (e) studied the new UNCTAD paper on the outlook for debt service of developing countries;
- (f) studied the draft tables for the new version of EC-149;
- (g) discussed with Mrs. Paulson and Mr. de Fontenay some definitional problems regarding rescheduling and refinancing;
- (h) participated in the preparatory discussions with Mr. Tiemann and Mrs. Angel for the preparation of some standard tables showing the effects of changes in the terms of borrowing and aid tying on the grant element in loans;
- (i) discussed with Professor Wilson Schmidt of Virginia Polytechnic Inst. some problems regarding the estimation of the cost of aid.
(12 days)

B. Rao:

- (a) Discussions and revisions of paper for Mr. Rist on regional development Banks.
(10½ days)

- (a) Provided Mr. Adler with an historical series of capital flows to LDCs;
- (b) attended a meeting of the National Foreign Trade Council in New York on October 31.
(1½ days)

J. Hulley:

- (a) Drafting notes for Working Party on IDA replenishment;
- (b) Administration.
- (c) participated in the Working Party meetings on Malawi.
(12 days)

Cc: Messrs. Kamarek
Stevenson
Bhatia

jh/jb

Mr. S. N. Kao

November 3, 1967

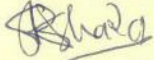
Samir K. Bhatia

Fortnightly Progress Report

In the fortnightly progress report of your Division, you have at present mentioned only the activities in which the Division has been engaged. It would be very helpful if you would also be kind enough to provide the name (or names) of the staff members responsible for these activities.

cc: Messrs. Kamarck
Stevenson
Collier

SKBhatia:rk



Mr. A. M. Kamarck

November 1, 1967

Josefina Vial *J.V.*

Work Progress Report for the Comparative Data Division for the Period
October 16 to 31, 1967

World Tables

1. The work on this project has continued to occupy most of the staff of the Division.
2. The table on Population, Labor Force, and Education has been finalized and is ready for reproduction.
3. The draft of the table on Foreign Trade, External Public Debt and International Reserves is finished. The typing has been delayed due to work overload in the Print Shop. The final blank forms could not be printed until today.
4. The compilation of basic information for the other tables is fairly advanced and computations will be started in the near future.
5. Mr. Eory has been studying the Balance of Payments Table and is designing a new schedule suggesting certain changes to the original proposal which will be submitted to Mr. Levy on his return.

Miscellaneous

6. Additional information was prepared for Mr. Woods' speech to the Swedish Bankers' Association.
7. Some tables relating to IDA replenishment have been prepared for Mr. Knapp at the request of Mr. Sacchetti.
8. Mr. Levy and Mr. Novak are at present in Indonesia with the economic mission to that country.

JVial:eb

cc: Mr. Stevenson
Mr. Collier

Mr. Andrew M. Kamarek

November 1, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - October 17-31

Walstedt:	<ol style="list-style-type: none">1. General supervision.2. Worked on Heavy Mechanical Equipment Report.
Baranson:	<ol style="list-style-type: none">1. Completed New Zealand industrial sector report.2. Resumed redraft of automotive industry report.
Gilingiroglu:	<ol style="list-style-type: none">1. Worked on revision of Heavy Electrical Equipment Report.2. Continued work on "Investment Costs for Nitrogen Fertiliser Manufacture in Developing Countries.3. Worked on Heavy Mechanical Equipment Report, section on diesel engines.
Datas:	<ol style="list-style-type: none">1. Worked on report on pulp and paper industry.2. Prepared some financial data for Mechanical Equipment Report.
Lall:	Home Leave.
Nowicki:	<ol style="list-style-type: none">1. Continued drafting a paper on "Major Elements of Industrial Policy in Developing Countries".2. Participated in preparation and meetings for a brief mission to Guinea.
Schrenk:	Indonesia Mission.
Sreedhar:	Joined the Division on October 31.
Vilola:	Ceylon Mission.
May:	<ol style="list-style-type: none">1. Worked on statistics for Heavy Mechanical Equipment Report.
Taray:	<ol style="list-style-type: none">1. Continued assistance to Mr. Baranson on New Zealand Report and on redrafting of Automotive Industry Report.

[Signature]
BHW:JG

cc: Messrs. Stevenson, van der Tak
Industrialization Division

Files

November 1, 1967

Clarke Kinney *(K)*

Planned Activity, Information Department
November 1 - 30 (Speeches, Briefings, Contacts and Travel)

DEPARTMENTAL

<u>STAFF MEMBER</u>	<u>DATE</u>	<u>PLANNED ACTIVITY</u>
<u>Mr. Lind</u>	Nov. 1	Press tour arrangements - Pakistan
<u>Mr. Clements</u>	Nov. 6	Speech - St. John's Branch, Canadian Institute of International Affairs; St. John's, Nfld.
	Nov. 7	Speech - Halifax Branch, Canadian Institute of International Affairs; Halifax, Nova Scotia
	Nov. 8	Speech - Wolfville Branch, Canadian Institute of International Affairs; Wolfville, Nova Scotia
	Nov. 9	Speech - Sackville Branch, Canadian Institute of Intn'l Affairs; Sackville, New Brunswick
<u>Mr. Bennett</u>	Nov. 10	Speech - Frederickton Branch, Canadian Institute of Intn'l Affairs; Frederickton, New Brunswick
	Nov. 6	Briefing - American Association for UN of National Capital Area (Bank Board Room)
<u>Mr. Bravo</u>	Nov. 28-30	Press Contacts - Buffalo, Rochester and Syracuse, New York
	Nov. 15	Teachers' Seminar - Afro Arts Cultural Center, N.Y.
<u>Mr. Noone</u>	Nov. 14	Speech - College of Business, University of Iowa; Iowa City
		Speech - College of Law, " " "
		Speech - UN Association of Iowa, " " "
	Nov. 15	Speech - Midwest Credit Management Association, Chicago
		Speech - Rosary College, Chicago
<u>Mr. Kinney</u>	Nov. 27	Briefing - Financial Managers, Government of India (Room 449)

IFC

<u>Mr. O'Brien</u>	Nov. 6-9	Attend Mr. Rosen's participation in York University Seminar on International Development (Toronto) and Mr. Rosen's meeting with business, academic, and news media representatives; Toronto and Montreal
	Nov. 15-17	Attend Committee for Economic Development's 25th Anniversary Dinner, N.Y.

November 1, 1967

OUTSIDE (Speeches only)

<u>STAFF MEMBER</u>	<u>DATE</u>	<u>PLANNED ACTIVITY</u>
<u>Mr. Adler</u>	Nov. 8	International Development Conference, League of Women Voters, Mayflower Hotel; Washington, D.C.
<u>Mr. Fontein</u>	Nov. 14	Arlington Chapter, American Association of University Women; Arlington, Va.
<u>Mr. Knapp (host)</u> <u>Mr. Adler</u> <u>Mr. Bell</u> <u>Mr. Cavanaugh</u> <u>Mr. Hoffman</u> <u>Mr. Richards</u>	Nov. 17	Information conference and luncheon for participants in "Seminar on American Finance", sponsored by Smith, Barney & Co. (Bank Board Room)

cc: Messrs. Graves, Lind, Clements, Fulton
Mrs. Eliason

CK:ij

Mr. Alexander Stenenson

November 1, 1967

E.K. Hawkins



Work Program of the Applied Quantitative Research Division for the Two-week Period Ending October 29, 1967

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- --	General supervision. Final work on distribution of Departmental working papers. Comments and discussions on Mr. King's paper, "Mechanics of Growth and Debt". Discussions on computer considerations. Working party work on Sierra Leone. (10 days)
A. Elsas	- Peru Model - Estimation problems (18 days)	Comments and discussions on Mr. King's paper, "The Mechanics of Growth and Debt". (2 days)
R.J. Niebuhr	- Further work on econometric model for Malaysia, including consideration of import classification required. (10 days)	
H.G. Carter	- Jamaica Linear Programming Model (30%) Jamaica structural model (20%) Uganda model (5%)	Technical advice on computer (15%) Review of Department and Division Papers (25%) Reading and research (5%)
K. Krishnamurthy	- Preliminary work on country model for Thailand (5 days) Engaged in Bank/Fund Commodity Study (5 days)	
G. Zaidan	-	(See Page 2)

Mr. Alexander Stevenson

- 2 -

November 1, 1967

G. Zaidan -

Preparation of information for
Mr. Friedman's office (4 days)

Background reading (4 days)

Special leave (1 day)

Annual leave (1 day)

EK Hawkins/w

cc: Messrs. de Vries, Bhatia, Niebur, Carter, Krishnaswamy and Zaidan

ECONOMICS DEPARTMENT

STATUS OF MAJOR STUDIES

DIVISION: Applied Quantitative Research

Part I - In Progress

<u>Title of Study</u> (1)	<u>A Brief Description of Study</u> (2)	<u>Estimated Total Man-Month Required</u> (3)	<u>Author(s)</u> (4)	<u>Starting Date</u> (5)	<u>Division Draft</u> (6)	<u>First Draft</u> (7)	<u>Final Paper</u> (8)	<u>Remarks</u>
Country model/ Malaysia	Structural forecasting model	15	Niebuhr	Nov.1966	Oct.1967	Nov.67	-	-
Country model/ Jamaica	"	6	Carter/Hawkins	Nov.1966	Mar.1968	Apr.68	-	In abeyance, Jan.--June,67
Output Employment Models - Jamaica	Linear programming optimizing model	3	Carter	June 67	Sept.67	Oct.68	-	(Drafts refer to stage 1 of project)
Country model/ Uganda	Structural forecasting model	6	Carter	May 1967	Sept.67	Oct.68	-	(Later stage of E. African model. Subject to data availability).
Capital-output ratios	Econometric estimation of capital-output ratios	18	A. Conrad (Consultant)	Jan.67	May 68	May 68	-	-
Study of world market for rubber	Econometric techniques applied to factors determining the price of rubber	6	J. Behrman (Consultant)	Apr.67	Jan.68	May 68	-	-
Country model/ Peru	Structural forecasting model	20	A. Elsaas	Apr.67	Mar.68	Apr.68	-	Feasibility study completed. Further work subject to discussion

Part II - Planned

Part III - Completed

<u>Title of Study</u> (1)	<u>A Brief Description of Study</u> (2)	<u>Estimated Total Man-Month Required</u> (3)	<u>Author(s)</u> (4)	<u>Starting Date</u> (5)	<u>Division Draft</u> (6)	<u>First Draft</u> (7)	<u>Final Paper</u> (8)	<u>Remarks</u>
International comparisons of Domestic Savings rates - a review	Review of existing literature	-	Krishnasurty	Dec.1966	Feb.1967	Mar.67	Nov.67	-
Savings and Taxation in Developing countries	An empirical study	-	"	Mar.1967	Aug.1967	-	Nov.67	-
Country model - Brazil	Structural forecasting model	-	De Vries/Liu	June/66	June 67	-	-	Revisions still underway
An Analysis of the Determinants of Money Wage Changes in Jamaica, 1958-1964		2	M. Hall (Consultant)	July 67	Aug.67	Oct.67	-	-
An analysis of Aggregate Consumption in Jamaica 1950-1964	Econometric Analysis of Consumption Data	1½	M. Hall (Consultant)	Jan.67	June 67	-	-	Results to be integrated with country model on Jamaica listed in Part I.
The World Bank's Estimates of Capital Inflow into the Developing Countries	Outline of methods and results obtained from aggregating country economic reports	12	E.K. Hawkins	June 66	Sept.66	Sept.66	July 67	-
Planning Models for India	Review of models used in Indian Planning and a discussion of the theoretical issues involved.	-	A. Elsaas	Feb.67	Apr. 67	Apr. 67	Dec.67	-

J. H. Collier

November 1, 1967

S. N. Kao

Comparative Analysis Division

1. During October 16-31, members of the Division were occupied with the following:

(1) Miscellaneous short-term assignments:

Preparation of tables (for Mr. Adler) on the following:

- (a) Private capital transactions of EEG, Canada and U.K. during 1956 to 1965.
- (b) Important government capital transactions of EEG, Canada and U.K. during 1956 to 1965.
- (c) Countrywise breakdown of German Central Government's loans extended during 1956 to 1965.
- (d) German and Japanese reparation payments during 1956 to 1965.
- (e) Capital transactions of German Commercial Bank during 1956 to 1965.
- (f) Regional breakdown of private and government capital transactions of EEG countries and Canada during 1965.

In addition some information was also collected on U.S. PL-480 aid as a part of total U.S. aid during 1956 to 1965. Material was also collected on lending activities of Inter-American Development Bank, European Investment Bank and European Development Fund.

(2) Research studies:

- (a) Bank's policy understandings with member countries - the nature of understanding with Brazil and the developments in that country since 1964, were studied. The study on Mali was also initiated.
- (b) Import studies - examination of the Economic Reports (issued since the beginning of 1966) was completed; an inventory was made of the methodology applied to import forecasts and the nature of available data for the past (in about 50 Economic Reports). The consistency of import forecasts with growth targets is now being checked for those countries where the nature of available data permits to do so.

(c) Bank's estimates of capital inflow - discussions were held with Area economists and some progress was made on the revision of the figures for East Africa.

2. Mr. Maiss continued to be on assignment to Rome for work on Coffee Study.

cc: Messrs. Kamarck
Stevenson

SHKao:esb

Mr. Andrew M. Kamarck

October 18, 1967

Arthur E. Tiemann *AT*

Progress Report of Statistical Services Division
for the period October 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	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	7	3	7(2)	-	8(2)	-	14(3)	-	16(2)
Current tables:										
6/30/67	-	2	2	4(2)	-	5(2)	-	8(3)	-	5(2)
3/31/67	-	-	-	-	-	1	-	-	-	-
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2	1	3	-	2	-	4	-	4
9/22/66	-	1	-	-	-	-	-	-	-	-
6/30/66	-	-	-	-	-	-	-	-	-	2
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	-	-	-	-	-	-	2	-	3
12/31/65	-	-	-	-	-	-	-	-	-	1

Note: Excludes 10 countries in abeyance; () = number of countries started during the period.

Work	Requested by	Status
2. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
3. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
4. Preparation of lists and of explanations of foreign credits granted by CCC	Economics	Completed
5. Compilation of debt outstanding and service payments by country and area for all developing and developed countries	Economics	In progress
6. Mexico - preparation of memorandum on debt submission as of December 31, 1966	W. Hem. (Ross)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. Peru - checking of Forms A and B for June 1967 and information received in lieu of Forms for December 1966 and preparation of memorandum on these data	W. Hem.	Completed
8. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
9. Argentina - preparation of amortization schedule for proposed IBRD loan	W. Hem. (Fajans)	Completed
10. Ecuador - preparation of amortization schedule for proposed European loan	W. Hem. (Shibusawa)	Completed
11. Costa Rica - preparation of amortization schedule for proposed IBRD loan to Banco Central de Costa Rica	W. Hem. (Rose)	Completed
12. Brazil - checking debt reports	W. Hem.	Completed
13. Dominican Republic - preparation of memorandum on the submission of debt	W. Hem.	Completed
14. Mexico - preparation of IBRD amortization schedule for proposed IBRD loan	W. Hem. (Bochenski)	Completed
15. Mexico - preparation of table showing service payments for 1966	W. Hem. (Ross)	In progress
16. Italy - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	Completed
17. Turkey - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	In progress
18. Greece - preparation of memorandum on debt submissions as of Dec. 31, 1966 and June 30, 1967	Europe	In progress
19. Malagasy - preparation of memorandum on debt submission as of June 30, 1967	Africa	In progress
20. Congo-Kinshasa - preparation of memorandum on debt submission as of 6/30/67	Africa	In progress
21. Pakistan - preparation of memorandum on debt submission as of Dec. 31, 1966	Asia	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
B. GENERAL STATISTICS		
1. Moderately complicated calculations: Consumption of crude oil and energy related to GNP and industrial production for world, Japan and Europe. Calculations of point and average elasticities from 1960-1965 data	Ec. (Huang)	Completed
2. Moderately complicated regression analysis: Saving study of Honduras, Philippines, Brazil, Colombia, Greece, Jamaica and Turkey	Ec. (Krishnamurty)	Completed
3. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
4. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
5. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
6. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
7. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
8. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
9. Moderately complicated regression analysis: Capital output ratios for Indian cement industry 1948-65; Indian steel and iron industry 1960-65; Colombia for 15 industries by two digit ISIC classification 1953-64	Ec. (Conrad, Manarolla)	Completed
10. Simple regression analysis: New Zealand - production and exports of selected commodities	Ec. (Elz)	In progress

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11.	Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities etc.	Ec. (Lovasy)	In progress
12.	Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreux)	In progress
13.	Moderately complicated calculations: Prospective capital inflows and indebtedness - Rank calculations and Kendall's T statistic	Ec. (de Vries)	Completed
14.	Simple regression analysis: Current general administration expenditure - cross country analysis of GNP, tax and population	Ec. (Eklund)	In progress
15.	Moderately complicated regression analysis: Commodity price stabilization - price trends and deviations during 1950-66 for large number of commodities	Ec. (Macone)	In progress
16.	Simple data collection: Production and consumption of woodpulp and paper for all areas of the world	Ec. (Datas)	In progress
17.	Moderately complicated regression analysis: Brazil - interrelationships among various economic indicators, e.g. GNP, production, money supply, consumption, investments, etc.	Ec. (N. Carter)	In progress
18.	Moderately complicated data collection and tabulations: Detailed exports of non-electric machinery from developed to less developed countries 1955-and 1965	Ec. (Walstedt)	In progress
19.	Moderately complicated statistical analysis: Linear programming formulation of a transportation problem	Ec. (de Weille)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
20. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Chadenet)	In progress
21. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
22. Simple calculations: Kenya livestock development project - calculations of rates of return	Proj. (Fransen)	Completed
23. Simple calculations: Sudan - irrigation project - calculation of rate of return	Proj. (Malone)	Completed
24. Simple regression analysis: India - food grain, demand, income, price elasticities	Proj. (Picciotto)	Completed
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 data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
27. 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
28. Simple calculations and tabulations: IDA commitments, per capita by countries	Secys. (Cherniavsky)	Completed
29. Simple regression analysis: Korea - railway transport elasticities	Asia (Gruot)	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 program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	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(OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec.(N.Carter & Niebuhr)	In progress
7. Simple program to produce tables of IBRD and IDA loans by area and purpose	Ec. (Statistics)	In progress
8. 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. Sudan - Rahad Irrigation Project - 1 new chart, 2 charts revised	Proj. (Sicely)	Completed
2. Malaysia - 7 educational charts	Proj. (McLellan)	In progress
3. Sierra Leone - 1 chart	Proj. (D. King)	On hand
4. Peru - San Lorenzo Project, 4 charts	Proj. (Afrouz)	Completed
5. Analysis of the operations of the Projects Dept. - 7 charts revised, 1 new chart	Proj. (Agnew/Chadenet)	On hand
6. Nicaragua - 1 chart	Proj. (Kupper)	On hand
7. Colombia - organization chart	Proj. (Renger)	Completed
8. New Zealand - 3 charts (sketches)	Ec. (Turay)	In progress
9. Interest rates, gross loans and net loans - 3 charts, (sketches)	Ec. (Shouri/de Vries)	Completed
10. Gross National product per capita, 2 charts	Ec. (Jalan)	Completed
11. New Zealand - production and export of selected commodities - 5 charts	Ec. (Marsili/Elz)	Completed
12. Benefit of a Road Project chart	Ec. (Winston)	Completed
13. Jamaica - 1 chart and 1 diagram	Ec. (N. Carter)	On hand
14. Projected debt service ratio - 1 chart	Ec. (Shourie/de Vries)	Completed
15. New Zealand - 2 charts - % change of GDP and exports and imports over pre- vious year	Pres. Off. (Kochav)	Completed
16. IPC - outstanding commitments by country as of Aug. 31, 1967	Treas. (Gray/Chang)	Completed
17. IBRD Staff Retirement Plan - 3 charts	Treas. (Mazzitti)	Completed

E. CONTINUING - EXTERNAL DEBT

1. Compilation of data for quarterly tables showing all foreign bonds and equities publicly-issued and privately-placed in various markets.
2. Search for information on lending agencies in various markets.
3. Compilation of data on deposit rates and weighted average yields of Eurodollar issues in London.
4. All countries - semi-annual conversion of Treasurer's IBM cards to Statistics IBM cards.
5. Preparation of current data on yields of IBRD bonds.
6. Preparation of current data on yields of internal government bonds and stock indices.
7. Maintenance of debt files.
8. 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 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).

cc: Mr. Stevenson

AETiemann/ms

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In abeyance
Iran	9/22/66; 3/22/67	3/22/67	-	In progress
Iraq	12/31/66; 6/30/67	-	-	In progress
Jordan	6/30/67	-	-	In progress
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Congo-Kinshasa	6/30/67	-	-	In abeyance
Egypt	6/30/67	-	-	In abeyance
Ivory Coast	12/31/66	-	-	In progress
Kenya	6/30/67	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Malagasy-	6/30/67	-	-	Completed
Malawi	6/30/67	-	-	Completed
Nigeria	6/30/67(new)	-	-	In progress
Senegal	12/31/66	-	-	Completed
Somalia	6/30/67(new)	-	-	In progress
Uganda	6/30/67	-	-	In progress
Zambia	12/31/66	-	-	In progress
<u>ASIA</u>				
China	6/30/67	-	-	In progress
India	3/31/67	-	-	In progress
Indonesia	6/30/67(new)	-	-	In progress
Korea	12/31/66	-	-	In progress
New Zealand	6/30/67	-	-	In progress
Pakistan	12/31/66	-	-	In progress
Philippines	6/30/67(new)	-	-	In progress
Thailand	6/30/67	-	-	In progress
<u>EUROPE</u>				
Belgium	6/30/67(new)	-	-	In progress
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	In progress
Iceland-	6/30/67(new)	-	-	In progress
Italy	-	12/31/66	-	In progress
Malta	6/30/67	-	-	In progress
Norway	6/30/67(new)	-	-	In progress
Portugal	6/30/67	-	-	In progress
South Africa	-	12/31/66	-	In progress
Spain	12/31/66	-	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66	-	-	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES- PROJECTION AND HISTORICAL
(CONTINUED)

Page 2

Country	Projection & Date	Historical & Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/67	12/31/66	-	In progress
Bolivia	6/30/66; 12/31/66	-	-	In progress
Chila	12/31/65; 6/30/66; 12/31/66	-	-	In progress
Colombia	12/31/66	-	-	In progress
El Salvador	12/31/66	-	Huber	In progress
Guatemala	6/30/67	-	-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65; 6/30/66; 12/31/66	-	van der Heijden	In abeyance In abeyance
Honduras	6/30/67(new)	-	-	In progress
Mexico-	-	12/31/65; 12/31/66	Ross	In progress
Panama	6/30/67	-	-	In progress
Trinidad & Tobago	6/30/67(new)	-	-	In progress
Uruguay	-	12/-31/66	-	In progress

Statistical Services Division
Economics Department
October 18, 1967

Mr. Andrew M. Kanarek (through Mr. Collier)

October 17, 1967

Stanley Please

Report on the Activities of the Domestic Finance Division, Oct. 2-16, 1967

Major Studies

Mr. Holsen continued work on completing the report of the research mission to Brazil (approximately 6 days).

Mr. Beier continued work on the Pakistan electricity load control study (11 days).

Mr. Christoffersen completed his contribution to the study of domestic development finance in Brazil (7 days).

Mr. Churchill continued work on the Central American road user charges study (11 days).

Mr. Edlund continued working on the study of earmarking of public revenues (5 days).

Mr. Huber (temporarily assigned from the Western Hemisphere Department) returned from home leave on October 9 and has continued work on the Central American road user charges study.

Other Activities

Mr. Holsen prepared a note on the DF study on "Measuring Tax Effort in Developing Countries" (4 days).

Mr. Christoffersen undertook preparatory work for his membership of the appraisal mission for the second loan to the Agricultural Development Bank of Pakistan (3 days). Departed for Pakistan on the 13th of October.

Mr. Edlund undertook a brief examination of the statistical relationship between government administrative expenditure and density of population, size of population, and per capita income (4 days). Prepared a note on the DF paper entitled "Measuring Tax Effort in Developing Countries" (3 days).

Mr. Basoah reviewed in detail the draft economic report on Lesotho (4 days) and continued preparatory work in connection with the proposed economic mission to Zambia (7 days). Continued French language classes (1 hour per day).

Mr. Churchill - Spanish language class (1 hour per day).

Mr. Sciolli returned from home leave on October 2 and has been undertaking preparatory work in connection with the intended economic mission to Tunisia (11 days).

Mr. Comisz completed his contribution to the research mission to Brazil before leaving the service of the Bank on October 5, 1967.

Mr. Please - detailed review of draft economic report on Lesotho and supervision of Division activities.

EPlease/1c

cc: Messrs. Stevenson and Collier

Mr. Andrew M. Kamarek

October 17, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - October 2-16

Walstedt:

1. General supervision.
2. Worked on Heavy Mechanical Equipment Report.

Baranson:

Worked on New Zealand Mission Report.

Cilingiroglu:

1. Reviewed comments on Heavy Electrical Equipment Report.
2. Continued work on "Investment Costs for Nitrogen Fertiliser Manufacture in Developing Countries".

Datas:

Worked on a study of the Pulp and Paper Industry, section on investment costs.

Lall:

Home leave.

Nowicki:

1. Prepared Back-to-Office Report.
2. Corrected the draft of paper on "Current French Economic Thinking".
3. Started drafting brief paper on "Major Elements of Industrial Policy in Developing Countries."

Schrenk:

Prepared for Indonesia Mission - Left October 13.

Villela:

Prepared for Ceylon Mission - Left October 6.

May:

Worked on statistics for Heavy Mechanical Equipment Report.

Turay:

Continued assistance to Mr. Baranson on New Zealand Report.


BW:jg

cc: Messrs. Stevenson, van der Tak
Industrialization Division

Mr. G. Kalmanoff

October 16, 1967

John Hulley

Progress Report - October 1-15

Major studies

Other Activities:

P. de Fontenay: Resumed work on debt re-scheduling study.
(2 days)

- (a) Home leave until October 11;
- (b) met with Dr. Maass of Kreditanstalt für Wiederaufbau on German procedures for financing of debt consolidations;
- (c) briefed Mr. Brakel on Indonesia's external debt situation and the type of information we would like him to bring back from the Paris Conference on Indonesian debt. (1 day)

V. Dubey:

Worked on preparing and revising some tables in connection with the IDA replenishment. (10 days)

U. Garcia-Tobar: Continued work on survey of debt models.(1½ days).

- (a) Prepared tables on US, UN, EEC and French technical and financial assistance to Senegal for Mr. P. Leon of the Africa Department;
- (b) prepared memo for Mr. B. Jalan on discussion of supplementary financial measures in the Fifth Annual Report of the Inter-American Economic and Social Council;
- (c) prepared memo to Mr. B. Jalan on, and translation of, UNECLA Resolution 268 relating to supplementary financial measures;
- (d) translated letter for Mr. Friedman;
- (e) prepared memo on the Latin American Special Co-ordination Commission's fourth meeting of experts (Bogotá, September 25-30, 1967), (8½ days)

A. Karasmanoğlu:

- (a) Attended a meeting with Malawi's Government officials on the conclusions of the draft economic report on Malawi;
- (b) studied Mr. Dubey's paper on Import Substitution for comments;
- (c) discussed with Messrs. Kao and Streng the possibilities of putting together capital flow figures comparable to DAC figures for recent past, current year and the near future on the basis of capital requirements exercise;

October 16, 1967

Major Studies:

Other Activities:

A. Karasmanoglu:
(cont.)

- (d) studied and commented on economic report on Argentina;
- (e) participated in a meeting with Mr. Louvet of the OECD and wrote a memo to files;
- (f) participated in a meeting with Mr. Hayes of ODM, on the Bank's work on debt exercises;
- (g) participated in some other routine work for the Division. (10 days)

B. Rao:

Completed a synoptical note on regional development banks, and notes on the proposed Caribbean Development Bank and ADELA.

(7½ days)

- (a) Commented on Miss Ward's draft speech for Mr. Woods, and furnished additional information thereon to the Information Department;
- (b) routine work for the Division. (2½ days)

J. Halley:

- (a) Participation in Mr. Knapp's working party on IDA replenishment; preparation of notes and tables for same;
- (b) participation in a meeting with Messrs. Kalmanoff and Louvet on a prospective OECD study of private investment and two meetings with Mr. Hayes on work of ODM;
- (c) administration. (10 days)

Cc: Mr. S. Bhatia

jh/jb

Mr. H. G. van der Tak

October 16, 1967

Jochen Schmedtje *Ju*

Principal Activities of Investment
Planning Division, October 1-15

- Abe (YP) : Started and worked full time on study of the optimum depth of a port.
- Davis : Away on missions to Tokyo and Ceylon.
- de Welle : Continued work on study of optimum number of berths in ports and started Mr. Abe on study of optimum depth of a port (3 days). Discussions with Mr. and Mrs. Mousen on El Salvador Feeder Road Re-appraisal Study (1 day). Prepared for visit to Stanford University. Miscellaneous reviews and comments including van der Tak/Ray, "A Note on the Economic Benefits of Road Transport Projects".
- Heros : Continued revising Division draft on urban water demand (5 days). Commented on van der Tak/Ray, "A Note on the Economic Benefits of Road Transport Projects". Attended French lessons and English Writing Course. Away on leave for 2 days.
- Oury : Worked full time on draft study exploring the possibilities of deriving agricultural production models for developing countries: completed Part II, Evaluation of Past Efforts; continued work on West Punjab case study.
- Reutlinger : Worked on revision of First Draft of paper on uncertainty in project appraisal (2 days). Discussions with Mr. and Mrs. Mousen on El Salvador Feeder Road Re-appraisal Study (1 day). Miscellaneous reviews and comments, including Ivory Coast Palm Oil Project and van der Tak/Ray, "A Note on the Economic Benefits of Road Transport Projects" (3 1/2 days). Attended Spanish lessons. Away on leave for 2 days.
- Schmedtje : Prepared back-to-office report on attendance at WHO Seminar on Integration of Community Water Supply into Planning of Economic Development and re-wrote draft report (prepared by WHO) on the discussion following my presentation to the Seminar. Prepared memorandum on proposed International Housing Bank. General supervision.
- Thias : Revised Mr. Blaug's draft paper, A Synthesis of Planning Methods for Education in Developing Countries (3 days). Continued preparatory work for case study following the approach suggested by Mr. Blaug (7 days).

cc: Mr. A. Stevenson

JSchmedtje:es

Mr. Alexander Stevenson

October 17, 1967

E.K. Hawkins *EKH*

Work Program of the Applied Quantitative Research Division for the Two-Week Period Ending October 12, 1967.

	<u>Major Studies</u>	<u>Other Activities</u>
E.K. Hawkins	- -	General supervision. Editorial work on Division drafts. (10 days)
A. Hissas	- Peru Model - Estimation problems (10 days)	
H.J. Niehahr	- Further work on econometric model for Malaysia, including consideration of import classification required. (10 days)	
H.G. Carter	- Jamaica Linear Programming Model (20%) Jamaica structural model (15%) Uganda Model (15%)	Advice on computer selection (30%) Review of division paper (10%) Technical advice to New Zealand Mission (10%)
K. Krishnamurti	- Revision of the draft on "Savings and Taxation in Developing Countries - An Empirical Study". (1 day) Preliminary work on country model for Thailand. (9 days)	
G. Zeidan	- Background study of items relating to population that may be included in Economic Reports. (6 days)	Comments on the treatment of population in the Economic Report of India (1 day) Supply of information to Mr. Woods' office (1 day). Supply of information to Mr. Friesen's office (2 days).

EKHawkins/te

cc: Messrs. de Vries, Hsiao, Niehahr, Carter, Krishnamurti and Zeidan

Mr. A. M. Kinnarck

October 16, 1967

Esamel Levy

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

World Tables

1. Work was continued on this project, which still tends to occupy most of the staff of the Division.
2. A start has been made with the typing of the final Tables.
3. Miss Vial visited the U.N. Statistical Office on October 2 to clarify the data in the computer printouts supplied to the Division by the United Nations.

Indonesia Mission

4. Mr. Novak left for Indonesia on October 11. Most of his time prior to this date was devoted to the collection and compilation of background material for his assignment.
5. The Division Chief visited the U.N. Statistical Office in New York on October 5 and 6 in order to gather information on Indonesia preparatory to his joining the mission in that country.

Review of IBRD Country Reports

6. The national accounts data included in the recent Bank Reports on Lesotho and Tunisia were reviewed and comments submitted.

Miscellaneous

7. The data contained in the draft speech of Mr. Woods to the Swedish Bankers' Association was reviewed. Additional information was also provided on the value of world trade.

ELevy:eb

cc: Mr. Stevenson
Mr. Collier

cc Dept - 1 Ref

Mr. J. H. Collier

October 16, 1967

S. H. Kso

Comparative Analysis Division

1. During October 1-15, members of the Division were occupied with the following:

I. Miscellaneous short term assignments:

- a) Checking and recasting of tables (for Mr. deVries) on:
 - (i) Average rate of interest on development finance in respect of 40 developing countries and;
 - (ii) current account balance and external debt service payments as percentage of exports of goods and services in respect of these countries.
- b) Preparation of tables (for Mr. Balassa) indicating Bank and IDA commitments to Part II countries during May 1961 to June 1961.
- c) Commenting on a draft speech prepared by Miss Barbara Ward for Mr. Woods.
- d) Reviewing the draft Economic Report on Tunisia and the report on private investments in that country.

II. Research Studies:

- a) Bank's policy understanding with member countries - the study was carried on particularly with reference to Colombia.
- b) Import study - examination of about 25 Country Economic Reports to determine the methodology applied for import forecasting and the nature of data available for this purpose in those countries.
- c) Bank's estimates of capital inflow - revision of the figures for "East Africa" and preparation of a statement (for Mr. Karasmanoglu) indicating sources of data used for revision of the estimates of capital inflow. Some work was also done on "domestic savings rates" and "marginal saving rates" in the sample countries.

2. Mr. Maiss continued to be on assignment to Rome for work on Coffee Study.

cc: Messrs. Kamarek
Stevenson

SHK:rvj

cc Dept. P. Rep

Mr. Andrew M. Kamarck

October 9, 1967

Arthur E. Tiemann *ate*

Progress Report of Statistical Services Division
for the period September 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	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOT	-	8(2)	5(2)	11(3)	-	6(1)	-	11	2	14(3)
Current tables:										
6/30/67	-	2(1)	3(2)	6(2)	-	3	-	5	-	3(2)
3/31/67	-	-	-	-	-	1	-	-	-	-
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	3	2	4(1)	-	2(1)	-	4	1	4
9/22/66	-	1	-	-	-	-	-	-	-	-
6/30/66	-	-	-	1/1	-	-	-	-	1	2
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
3/22/67	-	1(1)	-	-	-	-	-	-	-	-
12/31/66	-	-	-	-	-	-	-	2	-	3(1)
12/31/65	-	-	-	-	-	-	-	-	-	1

Notes: Excludes 7 countries in abeyance; () = number of countries started during the period;
1 = revision.

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. Selected countries - debts outstanding including undischursed and net of undischursed as of Dec. 31, 1965	Ec. (Karaosmanoglu)	Completed
3. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
4. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
5. Preparation of lists and of explanations of foreign credits granted by CCC	Economics	In progress
6. Computation of debt outstanding and service payments by country and area for all developing and developed countries	Economics	In progress

October 9, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
7. El Salvador - preparation of amortization schedule for proposed IBRD loan	W. Hem. (Ross)	Completed
8. Peru - checking of Forms A and B for June 1967 and information received in lieu of Forms for December 1966 and preparation of memorandum on these data	W. Hem.	In progress
9. Mexico - preparation of memorandum on debt debt submission as of December 31, 1966	W. Hem. (Ross)	In progress
10. Colombia - preparation of memorandum on debt submission as of December 31, 1966	W. Hem.	In progress
11. Trinidad & Tobago - preparation of memorandum on debt submission as of June 30, 1967	W. Hem.	Completed
12. Italy - preparation of memorandum on debt submission as of December 31, 1966	Europe	In progress
13. Iceland - preparation of memorandum on debt submission as of June 30, 1967	Europe	Completed
14. Turkey - preparation of memorandum on debt submission as of Dec. 31, 1966	Europe	In progress

B. GENERAL STATISTICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Simple regression analysis: Correlation matrix, mean, standard deviation, etc. from 18 countries including Brazil, Chad, Peru, New Zealand, Ethiopia, Kenya. 1955/64 road expenditure as related to GNP, taxes	Ec. (Eklund)	Completed
2. Moderately complicated calculations: Consumption of crude oil and energy related to GNP and industrial production for world, Japan and Europe. Calculations of point and average elasticities from 1960-65 data	Ec. (Huang)	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)	In progress
5. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
6. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
7. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
8. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
9. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
10. Moderately complicated regression analysis: Capital output ratios for Indian cement industry 1948-65; Indian iron and steel industry 1960-65; Colombia for 15 industries by two digit ISIC classification 1953-64	Ec. (Conrad, Manarolla)	In progress

October 9, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple regression analysis: New Zealand - production and exports of selected commodities	Ec. (Els)	In progress
12. Moderately complicated regression analysis: U.S. coffee consumption study - calculation of price and income elasticities etc.	Ec. (Lovasy)	In progress
13. Complicated data search and statistical analysis: All developing countries - 1954 to date, data collection on GDP, exports, imports, capital formation, export earning from mining, etc; analysis of variables by various groupings of countries	Ec. (Goreaux)	In progress
14. Routine checking: Mechanics of growth and debt report	Ec. (King)	Completed
15. Routine checking: Yugoslavia - transportation study	Proj. (Hughes)	Completed
16. Simple calculations: Uganda ranching development project - calculations of rates of return	Proj. (Knobel)	Completed
17. Complicated analysis: Disbursement patterns of IBERD loans by purpose and projections	Proj. (Chadenet)	In progress
18. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
19. Moderately complicated tabulations: Preparation of country reports, IBERD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
20. Moderately complicated data search and calculations: New Zealand report	Pres.Off. (Kochav)	In progress
21. 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

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
22. Moderately complicated tabulations: IBRD and IDA loans and disbursements in Latin America, updating of tables	W.Hem. (Lenfant)	In progress
23. Simple calculations and graphics: Manipulation of personnel data	Adm. (Busse)	Completed
24. Simple calculations: Kenya livestock development project - cal- culation of rates of return	Adm. (Husain)	Completed
25. Moderately complicated tabulations: IBRD loans and IDA credits to Africa, net and gross by purpose, disbursements, repay- ments, etc., cumulative 6/30/67	Afr. (Ba)	Completed
26. Simple data collection and tabulation: Tunisian Mission - preparation of financial information	N.A. & M.E. (Maubouche)	In progress
27. 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 region, central region, lake steamers, Guaqui-La-Paz	Proj. (Sander)	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 program to evaluate the uncertainty of the internal rate of return of the Fort of Mogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	In abeyance
4. Complex system analysis to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of creditor information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on United Nations trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. Simple program to produce tables of IBRD and IDA loans by area and purpose	Ec. (Statistics)	In progress
8. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress
9. Computer program to calculate and print out matrix according to Taylor series formula	Afr. (Ray)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Chile - Highway Project organization chart	Proj. (Parneggiani)	Completed
2. Turkey - 2 charts revised	Proj. (Golan)	Completed
3. Ecuador organization chart	Proj. (Walden)	Completed
4. Malawi diagram	Proj. (Haynes/Malone)	Completed
5. Peru - San Lorenzo Project, 4 charts	Proj. (Afrous)	Completed
6. Thailand - Organization of Dept. of Highways	Proj. (Morris)	Completed
7. Comparative prices for major oil, fats, etc.	Ec. (Vuckovic/Elz)	Completed
8. GNP per capita and demand for total petroleum	Ec. (Hunter)	Completed
9. Gross national product per capita, 2 charts	Ec. (Jalan)	In progress
10. New Zealand - wool and mutton production and export	Ec. (Mansini/Elz)	In progress
11. Republic of Mauritania - French organization chart	Ec. (Westebbe)	Completed
12. 1964 GNP per capita and demand for total petroleum products per capita for selected countries	Ec. (de Vries/Shourie)	Completed
13. % change of GDP and Exports and Imports	Pres. Off. (Kochav)	In progress
14. Nicaragua - Fabritex Project	IPC (Phillips)	Completed
15. Tunisia - 2 charts revised	M.E. & N.A. (Golden)	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 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 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).

cc: Mr. Stevenson

/ms

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66	-	-	In progress
Iran	9/22/66; 3/22/67	3/22/67(new)	-	In progress
Iraq	12/31/66; 6/30/67(new)	-	-	In progress
Jordan	6/30/67	-	-	In progress
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Botswana	6/30/67	-	-	Completed
Cameroon	12/31/66	-	-	In progress
Congo-Kinshasa	6/30/67(new)	-	-	In progress
Egypt	6/30/67(new)	-	-	In progress
Gabon	6/30/67(new)	-	-	Completed
Ivory Coast	12/31/66	-	-	In progress
Kenya	6/30/67	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Malagasy	6/30/67	-	-	In progress
Malawi	6/30/67	-	-	In progress
Rhodesia	12/31/66	-	-	Completed
Senegal	12/31/66(new)	-	-	In progress
Sierra Leona	12/31/66; 6/30/67(new)	-	-	Completed
Uganda	6/30/67	-	-	In progress
Zambia	12/31/66; 6/30/66(rev.)	-	-	In progress
<u>ASIA</u>				
China	6/30/67	-	-	In progress
India	3/31/67	-	-	In progress
Korea	12/31/66(new)	-	-	In progress
New Zealand	6/30/67	-	-	In progress
Pakistan	12/31/66	-	-	In progress
Thailand	6/30/67	-	-	In progress
<u>EUROPE</u>				
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67	-	-	In progress
Italy	-	12/31/66	-	In progress
Malta	6/30/67	-	-	In progress
Portugal	6/30/67	-	-	In progress
South Africa	-	12/31/66	-	In progress
Spain	12/31/66	-	-	In progress
Swaziland	12/31/66; 6/30/67	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66	-	-	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - PROJECTION AND HISTORIAL
(CONTINUED)

Page 2.

Country	Projection & Date	Historical & Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/66; 12/31/66	-	-	Completed
	6/30/67(new)	12/31/66(new)	-	In progress
Bolivia	6/30/66; 12/31/66	-	-	In progress
Chile	12/31/65; 6/30/66;	-	-	In progress
	12/31/66	-	-	In progress
Colombia	12/31/66	-	-	In progress
El Salvador	12/31/66	-	Huber	In progress
Guatemala	6/30/67(new)	-	-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65;	-	van der	In abeyance
	6/30/66; 12/31/66	-	Heijden	In abeyance
Mexico	-	12/31/65; 12/31/66	Ross	In progress
Panama	6/30/67	-	-	In progress
Uruguay	-	12/31/66	-	In progress

Statistical Services Division
Economics Department
October 9, 1967

Mr. A. M. Kamarcik

October 4, 1967

Emanuel Levy

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

- 1. Mr. Joseph Eory joined the Division on September 25, 1967.

World Tables 1967

- 2. Work was continued on the compilation of the basic data and on the computations underlying these Tables. This project continues to occupy most of the staff of the Division.
- 3. A number of the Tables are in their final stages of preparation, and typing will begin shortly.

Indonesia Mission

- 4. Mr. Novak has continued with his review of Indonesian statistics, preparatory to his participation in the forthcoming mission to this country.

Miscellaneous

- 5. The statistical tables to the IDA Replenishment Briefs were updated, at the request of the Information Department, as background for Mr. Woods' forthcoming speech in Sweden. Additional items of information were also compiled. This material was for transmittal to Miss Barbara Ward.
- 6. The population and GNP growth rates given in the UNCTAD document "Review of the Implementation of the Recommendations of the Conference 1967" were checked against our own sources of information. A number of discrepancies were evident. The results of the checking were submitted to Mr. Kochav.
- 7. Additional computations of GNP per capita for selected countries and regions were prepared at the request of Mr. Friedman.
- 8. These operations occupied a large part of the working time of Miss Vial.

ELevy:eb

cc: Mr. Stevenson, Mr. Collier

Mr. J. H. Collier

October 3, 1967

John Hulley

Progress Report - September 15-30

Major Studies

Other Activities

P. de Fontenay:

Home leave until
October 9.

V. Dubey:

-

- (a) Projections in connection with IDA replenishment;
- (b) revision of memo on IDB Export Finance Scheme. (10 days)

U. Garcia-Tobar:

- (a) Research on existing debt models;
- (b) draft memo on Mr. Ghlin's "Growth-cum-debt Model". (7 days)

- (a) Reviewed and checked tables for Part I IDA countries;
- (b) study on reverse capital flows;
- (c) duties as Chairman of "Spanish Practice Group" (Bank-IFC). (3 days)

A. Karaosmanoğlu:

-

- (a) Worked on long-term projections for Malawi, incorporating new projections for agricultural output, exports, etc;
- (b) finalized the note on External Debt of Tunisia for the Economic Report on Tunisia;
- (c) commented on Mr. de Vries' draft on "Prospective Capital Flows and International Indebtedness";
- (d) commented on the Economic Reports on India and Mexico;
- (e) prepared a draft letter on debt service for UNCTAD;
- (f) redrafted a note on the computer programs used in the Bank to calculate capital requirements to fill the resource gap of a country.

To: Mr. J. H. Collier

- 2 -

October 3, 1967

Major Studies

Other Activities

Mr. Rao:

Regional development banks (for
Mr. Rist)
(7 days)

- (a) commented on "The Economist" article (September 23) on "The Bank, the Fund and Rio";
- (b) discussed with Mr. Leon external assistance to Senegal.
(3 days)

J. Hulley:

Reviewed draft paper on Import
Substitution.
(1 day)

- (a) Administration;
- (b) furnished comments to Asia Department on foreign aid section of their draft report on India;
- (c) prepared table on balance of payments effects of proposed IDA replenishment for Mr. Tazi, and discussed same with him.
(9 days)

Cc: Messrs. Kalmanoff, Bhatia

GA
JH/jb

Mr. Andrew M. Kamarck (through Mr. Collier)

October 3, 1967

Stanley Please

Report on the Activities of the Domestic Finance Division, Sept. 18-30, 1967

Major Studies

Mr. Holsen continued work on completing the report of the research mission to Brazil and in assisting Mr. Avramovic in the revision of the report of the general economic mission to Brazil.

Mr. Beier continued work on the Pakistan electricity load control study.

Mr. Christoffersen and Mr. Comiez continued work on the study of domestic development finance in Brazil.

Mr. Churchill continued work on the Central American road user charges study and participated in Bank discussions of the analytical issues arising out of Professor Walters' study on road user charges.

Mr. Eklund continued working on the study of earmarking of public revenues.

Other Activities

Mr. Basoah prepared a paper on the "Method of Sharing Customs Receipts Among Countries with Common Customs Facilities" (one week), and continued preparatory work in connection with the proposed economic mission to Zambia (one week). He attended French language classes (1 hour per day).

Mr. Sciolli has been on home leave.

Mr. Huber (temporarily assigned from the Western Hemisphere Department) has been on home leave.

Mr. Please - supervision of Division activities and occasional assistance in the preparation of the report on the economic mission to India.

SPlease/10

cc: Messrs. Stevenson and Collier

ECONOMICS DEPARTMENT
Status of Major Studies

Domestic Finance Division

Part I - In Progress

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man-Mos.</u> <u>Required</u>	<u>Authors</u>	<u>Starting</u> <u>Date</u>	<u>Division</u> <u>Draft</u>	<u>First</u> <u>Draft</u>	<u>Final</u> <u>Paper</u>	<u>Remarks</u>
Development Finance Problem in Brazil	An intensive study of certain problems in both the private and public sectors relating to the mobilization of financial resources for development.	13	Holsen	8/15/66	Aug 67	Late	-	Draft Report delayed due to demands by the general economic mission to Brazil. Most sections are now completed or will soon be completed. The review and editing of the individual contributions and the writing of an introductory chapter is being undertaken at the moment and should result in a first draft for circulation by the end of October.
		13	Christof- fersen	8/1/66		Oct.	67	
		12	Comiez	8/1/66				
		12	Sciolli	8/1/66				
Earmarking Study	A survey of the general literature on the earmarking of public revenues and the collection of data and other information which is available from published sources on earmarking.	10	Eklund	1/1/67	Nov 30 67	Dec. 31 67	-	-
Load Control Study in West Pakistan	The study is an attempt to review the theoretical literature concerned with load control, to review the experience of individual countries with load control and to apply these ideas to West Pakistan.	6	Beier	6/1/67	Oct 31 67	Nov 30 67	-	This study is being undertaken in collaboration with Projects Department and members of the Indus Basin study team.

<u>Title of Study</u>	<u>Brief Description</u>	<u>Man-lys. Required</u>	<u>Authors</u>	<u>Starting Date</u>	<u>Division Draft</u>	<u>First Draft</u>	<u>Final Paper</u>	<u>Remarks</u>
Central American Road User Charges Study	This is an interdepartmental study (Western Hemisphere Dept., Projects Dept., Economics Dept.) which is being undertaken in the Economics Department. It has two objectives: firstly, it represents a case study of Prof. Walters' analytical study of road user charges and, secondly, it is an operational study which is intended to derive conclusions regarding the level and pattern of charges which should be recommended to the Central American Governments.	7	Churchill	10 May 67	30 Nov	29	-	-
		7	Huber	10 May 67	67	Feb		
		2	Walters*	July 67		67		
		Part- Time)	Soges** Parks**					

Part II - Planned

Financial Market Study in Pakistan	This is one of a series of intended country studies that it is planned to undertake of certain problems of domestic development finance particularly those relating to the flow of funds to the agricultural sector, to export financing and to regions requiring selective treatment in the allocation of financial resources.	6	Christof-fersen	Mid-Oct	30 Apr 68	-	-	This study is being undertaken parallel to membership of an agricultural project appraisal mission and of a general economic mission to Pakistan.
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Agricultural Taxation	This is the first of a series of intended country studies of the problems of taxation of the agricultural sector in developing countries.	6	Sciolli	1 Oct 67	31 Mar 68	-	-	The field work for this study is being undertaken by Sciolli in collaboration with the Middle East and North African Dept. He will be a member of a general economic mission to Tunisia.
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*Consultant **Projects Dept.

Mr. Andrew M. Kamarek

October 3, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - September 18-29

Walstedt:

1. General supervision.
2. Submitted note on "Industrialization Division Work Program," including elements in two-year research program.
3. Circulated Professor Henry Bruton's study of "Productivity Growth and Development in Latin America".
4. Worked on Heavy Mechanical Equipment Report - 4 days.

Baranson:

Worked on New Zealand Mission Report.

Gilingiroglu:

1. Prepared outline and work program for proposed study of investment costs in nitrogen fertilizer production - 5 days.
2. Made preliminary study with a view to improvement of the Division's filing system.

Datas:

Reviewed material for study of pulp and paper industry.

Lall:

Started home leave.

Nowicki:

Paris office. Temporarily detached for study of "Recent French Thinking on Development Problems". (Reported back to Division October 2.)

Schrenk:

1. Prepared draft sections for Heavy Mechanical Equipment Report - 6 days.
2. Prepared for Indonesia Mission.

Villela:

1. Revised note on industry prospects in the Middle East.
2. Prepared for Ceylon Mission.

May:

1. Continued collection of material for Heavy Mechanical Equipment Report.
2. Assisted Mr. Gilingiroglu in preliminary study of the Division's filing system.

Turay:

1. One week on leave.
2. Continued assistance to Mr. Baranson on New Zealand Report.


BHW:jg

cc: Megers. Stevenson, van der Tak
Industrialization Division

Mr. H. G. van der Tak

October 2, 1967

Jochen Schmedtje

Principal Activities of Investment Planning Division,
September 16-30

- Abe : Joined the Division on September 25; familiarized himself with Division's work.
- Davis : Prepared for missions to Tokyo and Ceylon and departed on September 29; further work on tourism for Middle East Task Force; assisted with preparation of tourism section of New Zealand Economic Report.
- de Wille : Returned from mission to Dahomey on September 18 and prepared back-to-office report; reviewed editor's version of Iranian Road End-Use Study designed for publication in Occasional Papers Series; worked on study of optimum berth occupancy in ports.
- Meroz : Continued revising draft paper on urban water demand.
- Oury : Completed Part I of draft paper exploring the possibilities of deriving agricultural production models for developing countries.
- Ray : Transferred to Asia Department on September 19.
- Reutlinger : Continued work on "uncertainty" in project appraisal; miscellaneous reviews.
- Schmedtje : Prepared for and attended WHO Seminar on Integration of Community Water Supplies into Planning of Economic Development on September 25 and 26 in Geneva; general supervision.
- Thias : Prepared prospectus of case study on the use of cost-benefit analysis in educational planning.

cc: Mr. A. Stevenson

JSchmedtje:es *JS*

cc Dept. P.R.

Mr. Alexander Stevenson

October 2, 1967

E.K. Hawkins

Work Program of the Applied Quantitative Research Division for the Two-week Period Ending September 29, 1967

Major Studies

Other Activities

E.K. Hawkins

- -

General supervision.

Editorial work on Division drafts.

Attendance at the Symposium on the Population Pressure and Physical and Social Resources, Pennsylvania State University.

(10 days)

A. Elsaas

- Peru Model - Estimation problems (10 days)

R.J. Niebuhr

- Further work on econometric model for Malaysia, including consideration of import classification required. (9½ days)

(½ day on de-bugging program)

H.G. Carter

- Continuation of work on Uganda agricultural model.

Technical advice on computer selection.

Continuation of work on linear programming model for Jamaica

(Breakdown of time not available)

K. Krishnamurty

- Revision of the draft on "Savings and Taxation in Developing Countries - An Empirical Study". (2 days)

Preliminary work on country model for Thailand. (8 days)

G. Zaidan

- Background study of items relating to population that may be included in Economic Reports. (8 days)

Comments on the treatment of population in the Economic Report of Lebanon and Mexico. (1 day)

Orientation course. (1 day)

EKHawkins/w

cc: Messrs. de Vries, Niebuhr, Carter, Krishnamurty and Zaidan

ECONOMICS DEPARTMENT

STATUS OF MAJOR STUDIES

DIVISION: Applied Quantitative Research

Part I - In Progress

<u>Title of Study</u> (1)	<u>A Brief De- scription of Study</u> (2)	<u>Estimated Total Man-Month Required</u> (3)	<u>Author(s)</u> (4)	<u>Starting Date</u> (5)	<u>Division Draft</u> (6)	<u>First Draft</u> (7)	<u>Final Paper</u> (8)	<u>Remarks</u>
Country model/ Malaysia	Structural fore- casting model	15	Niebuhr	Nov.1966	Oct.1967	Oct.67	-	-
Country model/ Jamaica	"	6	Carter/Hawkins	Nov.1966	Mar.1968	Apr.68	-	In abeyance, Jan.-June, 1967
Output Employment Models - Jamaica	Linear programming optimizing model	3	Carter	June 67	Sept. 67	Oct.68	-	(Drafts refer to stage 1 of project)
Country model/ Uganda	Structural forecast- ing model	6	Carter	May 1967	Sept. 67	Oct.68	-	(Later stage of E. African model. Subject to data avail- ability).
Capital-output ratios	Econometric estimation of capital-output ratios	18	A. Conrad (Consultant)	Jan. 67	May 68	May 68	-	-
Study of world market for rubber	Econometric techniques applied to factors deter- mining the price of rubber	6	J. Behrman (Consultant)	Apr. 67	Oct.67	Dec.68	-	-
Country model/ Peru	Structural forecasting model	20	A. Elsaas	Apr. 67	Mar.68	Apr.68	-	Feasibility study complete Further work subject to discussion.
<u>Part II - Planned</u>								
Country model/ Thailand	Structural forecasting model	10	Krishnamurty/ Niebuhr	Oct. 67	Mar.68	Apr.68	-	-

Part III - Completed

<u>Title of Study</u> (1)	<u>A Brief Description of Study</u> (2)	<u>Estimated Total Man-Month Required</u> (3)	<u>Author(s)</u> (4)	<u>Starting Date</u> (5)	<u>Division Draft</u> (6)	<u>First Draft</u> (7)	<u>Final Paper</u> (8)	<u>Remarks</u>
International comparisons of Domestic Savings rates - a review	Review of existing literature	-	Krishnamurty	Dec.1966	Feb.1967	Mar.67	Oct.67	-
Savings and Taxation in Developing countries	An empirical study	-	"	Mar.1967	Aug.1967	-	Oct.67	-
Country model - Brazil	Structural forecasting model	-	De Vries/Liu	June 66	June 67	-	-	Revisions still underway
An Analysis of the Determinants of Money Wage Changes in Jamaica, 1958-1964	Econometric analysis of wage changes	2	M. Hall (Consultant)	July 67	Aug. 67	Oct.67	-	-
An analysis of Aggregate Consumption in Jamaica 1950-1964	Econometric Analysis of Consumption Data	1½	M. Hall (Consultant)	Jan.67	June 67	Oct.67	-	Results to be integrated with country model on Jamaica listed in Part I.
The World Bank's Estimates of Capital Inflow into the Developing Countries	Outline of methods and results obtained from aggregating country economic reports	12	E.K. Hawkins	June 66	Sept.66	Sept.66	July 67	-

Mr. Andrew M. Kamarck

Sept. 27, 1967

Arthur E. Tiemann *act*

Progress Report of Statistical Services Division
for the period September 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	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOT/	-	5(1)	1(1)	11(2)	2(1)	4	-	11(3)	-	15(1)
Current tables:										
6/30/67	-	1	-	5(2)	-	2	-	5(2)	-	1
3/31/67	-	-	-	-	-	1	-	-	-	-
3/22/67	-	1	-	-	-	-	-	-	-	-
12/31/66	-	2(1)	1(1)	5	1	1	-	4	-	6(1)
9/22/66	-	1	-	-	-	-	-	-	-	-
6/30/66	-	-	-	1/1	-	-	-	-	-	4
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
3/31/67	-	-	-	-	1(1)	-	-	-	-	-
12/31/66	-	-	-	-	-	-	-	2(1)	-	2
12/31/65	-	-	-	-	-	-	-	-	-	1

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

Work	Requested by	Status
2. Inventory for analyses of functions of External Debt Section	Ec. (Karaosmanoglu)	Completed
3. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
4. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
5. Preparation of lists and of explanations of foreign credits granted by CCC	Economics	In progress
6. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	Completed
7. Colombia - revised amortization schedule of proposed revisions of IBRD loan Co369	W.Hem. (Frost)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
8. Argentina - weighted average terms of loans contracted in 1966	W.Hem. (Dosik)	Completed
9. Peru - checking of Forms A and B for June 1967 and information received in lieu of Forms for December 1966 and preparation of memorandum on these data	W. Hem.	In progress
10. Mexico - preparation of memorandum on debt submission as of December 31, 1966	W. Hem. (Ross)	In progress
11. Colombia - preparation of memorandum on debt submission as of December 31, 1966	W. Hem.	In progress
12. Brazil - preparation of IERD loan chart	W. Hem.	Completed
13. Italy - preparation of memorandum on debt submission as of December 31, 1966	Europe	In progress
14. India - preparation of tables showing amount outstanding and service payments on external public debt as of March 31, 1967 and reported additions through July 31, 1967 by creditor, interest rate and maturity	Asia	Completed
15. India - preparation of tables showing service payments due on suppliers' credits outstanding December 31, 1966	Asia	Completed
16. India - preparation of tables showing service payments due on suppliers' credits outstanding by debtor sector as of December 31, 1966	Asia (King)	Completed
17. India - preparation of tables showing service payments due on suppliers' credits outstanding inside and outside Consortium framework as of December 31, 1966	Asia (King)	Completed
18. Preparation of amortization table for loan of CFAF 6,000,000,000	Afr. (Booz)	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. Simple regression analysis: Road expenditure: correlation matrix, mean, standard deviation, etc. from 18 countries including Brazil, Chad, etc. 1955/64 road expenditure as related to GNP, taxes	Ec. (Hclund)	In progress
3. Moderately complicated calculations: Consumption of crude oil and energy related to GNP and industrial production for world, Japan, and Europe. Calculations of point and average elasticities from 1960-1965 data	Ec. (Huang)	In progress
4. Simple calculations: Solving simultaneous equations for a traffic study	Ec. (Walters)	Completed
5. Simple regression analysis: Water supply study: interrelationship among GNP, revenue, temperature etc.	Ec. (Meroz)	Completed
6. Moderately complicated regression analysis: Saving study of Honduras, Philippines, Brazil, Colombia, Greece, Jamaica and Turkey	Ec. (Krishnamurty)	In progress
7. Moderately complicated regression analysis: Jamaica - interrelationships among various economic indicators	Ec. (Hawkins)	In progress
8. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
9. Moderately complicated regression analysis: Crop models for Uganda	Ec. (M.Carter)	In progress

Sept. 27, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
10. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
11. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
12. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
13. Moderately complicated regression analysis: Capital output ratios for Indian cement industry 1948-65; Indian iron and steel industry 1960-65; Colombia for 15 industries by two digit ISIC classification 1953-64	Ec. (Conrad, Manarolla)	In progress
14. Moderately complicated data handling: Road project - rate of return with calculations of cost benefits	Proj. (Siret)	Completed
15. Moderately complicated tabulations: Summary of IBRD agricultural loans by purpose, country, loan number as of June 30, 1967	Proj. (Veraart)	Completed
16. Simple calculations: Yugoslavia - calculations of growth rates, rates of return, ratios, etc.	Proj. (McCunniff)	Completed
17. Complicated analysis: Disbursement patterns of IBRD loans by purpose and projections	Proj. (Chadenet)	In progress
18. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
19. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
20. Routine updating: IBRD and IDA disbursements data - Sweden Report	Inf. (Clements)	Completed
21. Moderately complicated data search and calculations: New Zealand report	Pres. Off. (Kochav)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
22. 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
23. Moderately complicated tabulations: IBRD and IDA loans and disbursements in Latin America, updating of tables	W. Hem. (Lenfant)	In progress
24. Moderately complicated collection of data: Malawi - prices for various grades of tobacco in Malawi 1953-1967 both export and average auction prices	Afr.(Chen-Young)	Completed
25. Simple regression analysis: Equations seeking to indicate significance of certain variables in determining significance of Ghana's cocoa crop with particular emphasis on the possible impact the new procedure's price will have on short term forces	Afr. (Hammel)	Completed
26. Simple calculations: Uganda livestock project - calculation of rates of return	Adm. (Husain)	Completed
27. Simple calculations and graphics: Manipulation of personnel data	Adm. (Busse)	In progress
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 region, central region, lake steamers, Guaqui-La-Paz	Proj. (Sander)	In progress

G. 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 program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Proj. (Statistics) Ec. (Statistics)	In progress
4. Complex system analyses to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of creditor information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on UN trade statistics	Ec.(N.Carter & Niebuhr)	In progress
7. Simple program to produce tables of IBRD and IDA loans by area and purpose	Ec.(Statistics)	In progress
8. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress

G. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. 6 diagrams - Supply and Demand of Qualified Manpower	Proj. (Van Dijk/Hultin)	Completed
2. Peru organization chart	Proj. (Fernandez-Santos)	Completed
3. Ecuador organization chart	Proj. (Walden)	On hand
4. Malawi diagram	Proj. (Haynes/Malone)	On hand
5. Morocco - organization chart of Ministry of Agriculture (French)	Proj. (Goffin)	Completed
6. Brazil - L.C. chart	W. Hem. (Hussain)	Completed
7. 1 chart - Debt service to developing countries	Ec. (Jalan)	Completed
8. 3 charts - classification of countries by debt service ratio	Ec. (De Vries/Rangachar)	Completed
9. 3 charts - IFC Percentage of total funds re- volved etc.	Treas. (Rutland/Gray)	Completed
10. 3 charts - IFC Gross commitments, etc.	Treas. (Rutland/Gray)	Completed
11. Spain - FEMSA: 4 charts	IFC (El Darwish)	Completed
12. Fertilizer in West Pakistan - 1 chart	IFC (Williamson)	Completed

B. 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 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.

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).

cc: Messrs. Stevenson

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Algeria	12/31/66(new)	-	9	In progress
Iran	9/22/66; 3/22/67	-	-	In progress
Iraq	12/31/66; 6/30/66; 12/31/65(rev.)	-	-	In abeyance
Jordan	6/30/67	-	-	In progress
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Botswana	6/30/67	-	-	In progress
Cameroon	12/31/66	-	-	In progress
Ivory Coast	12/31/66	-	-	In progress
Kenya	6/30/67 (new)	-	-	In progress
Lesotho	6/30/66	-	-	In abeyance
Madagascar	6/30/67	-	-	In progress
Malawi	6/30/67	-	-	In progress
Rhodesia	12/31/66	-	-	In progress
Sierra Leone	12/31/66	-	-	In progress
Sudan	12/31/66 (new)	-	-	Completed
Uganda	6/30/67 (new)	-	-	In progress
Zambia	12/31/66; 6/30/66(rev.)	-	-	In progress
<u>ASIA</u>				
Australia	12/31/66	-	-	Completed
China	6/30/67	-	-	In progress
India	3/31/67	-	-	In progress
New Zealand	6/30/67	-	-	In progress
Pakistan	12/31/66	-	-	In progress
Indonesia	-	3/31/67	-	Completed
<u>EUROPE</u>				
Cyprus	6/30/67	-	-	In progress
Denmark	6/30/67 (new)	-	-	In progress
Italy	-	12/31/66	-	In progress
Malta	6/30/67	-	-	In progress
Portugal	6/30/67	-	-	In progress
South Africa	-	12/31/66(new)	-	In progress
Spain	12/31/66	-	-	In progress
Swaziland	12/31/66; 6/30/67(new)	-	-	In progress
Turkey	12/31/66	-	-	In abeyance
Yugoslavia	12/31/66	-	-	In progress

ANNEX 1: POSTING, CODING AND PREPARATION OF DEBT TABLES - PROJECTION AND HISTORICAL
(CONTINUED)

Page 2.

Country	Projection & Date	Historical & Date	Requested by	Status
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/66; 12/31/66	0	-	In progress
Bolivia	6/30/66; 12/31/66	-	-	In progress
Chile	12/31/65; 6/30/66; 12/31/66(new)	-	-	In progress
Colombia	12/31/66	-	-	In progress
El Salvador	12/31/66	-	Huber	In progress
Haiti	12/31/63; 12/31/64; 6/30/65	-	van der Heijden	In abeyance
	6/30/66; 12/31/66	-	-	In progress
Mexico	-	12/31/65; 12/31/66	Ross	In progress
Panama	6/30/67	-	-	In progress
Uruguay	-	12/31/66	-	In progress

Statistical Services Division
Economics Department
September 27, 1967

Mr. Andrew M. Kamarck

September 19, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - September 1-15.

- Walstedt:
 - 1. General supervision.
 - 2. Vacation September 5-15.
- Baranson: Working on New Zealand Mission Report.
- Gilingiroglu: Home Leave
- Datas: Home Leave
- Lall: Participated in a 2-week course on "Modern Quantitative Techniques".
- Nowicki: Paris office. Temporarily detached for study of "Recent French Thinking on Development Problems".
- Schrenk: Participated in a 2-week course on "Modern Quantitative Techniques".
- Villela:
 - 1. Completed short note on prospects for industry in the Middle East (Jordan and Israel).
 - 2. Completed note on Food Processing Industries.
- May: Completed short note for IPC on world market prices for steel (with special reference to Argentina).
- Turay:
 - 1. Reviewing tables for automotive industry study.
 - 2. Collecting data for New Zealand study.

[Handwritten signature]
BW:gg

cc: Messrs. Stevenson, van der Tak
Industrialization Division

Mr. Andrew M. Kassarck (through Mr. Collier)

September 18, 1967

Stanley Please

Report on the activities of the Domestic Finance Division, Sept. 1 - 15, 1967

Mr. Holsen returned from leave on September 6, and continued work on completing the report of the research mission to Brazil and in assisting Mr. Avramovic in the revision of the report of the general economic mission to Brazil. He supervised the Division's activities in my absence from Washington from September 11 to September 15.

Mr. Basoah undertook preparatory work in connection with the proposed economic mission to Zambia, the departure of which has once again been postponed.

Mr. Beier participated in the course on quantitative techniques for economic analysis given by Professor Walters and continued work on Pakistan electricity load control study.

Mr. Christoffersen continued work on the study of domestic development finance in Brazil.

Mr. Churchill continued work on the Central American road user charges study.

Mr. Comiez continued to participate in the work of the President's Commission of Budget Concepts and has been completing his contribution to the Brazilian research study.

Mr. Edlund continued working on his study of the earmarking of public revenues and participated in an EDI workshop on roads as a factor in agricultural development.

Mr. Sciolli is on home leave.

Mr. Huber (temporarily assigned from the Western Hemisphere Department) is on home leave.

Mr. Please participated in the preparation of the report of the economic mission to India and proceeded to Paris from the 11th to the 15th of September in order to assist in the interview and selection of candidates for the Young Professional Programme.

SPlease/lo

cc: Messrs. Stevenson and Collier

Mr. Alexander Stevenson

September 18, 1967

Atle Elsaas *AE*

Work Program of the Applied Quantitative Research Division for the Two-week
Period Ending September 15, 1967

- E.K. Hawkins - General supervision.
Review of studies under way in the Division.
General work on population studies.
- A. Elsaas - On annual leave.
- R.J. Niebuhr - Further work on econometric model for Malaysia,
including consideration of import classification
required.
- H.G. Carter - Continuation of work on Uganda agricultural model.
Continuation of work on linear programming model
for Jamaica.
Final work on Uganda mission report.
Technical advice on computer selection.
Lectured at seminar on Quantitative Techniques
(Prof. Walters).
- K. Krishnamurty - Working on the revision of the draft on
"Savings and Taxation in Developing Countries -
An Empirical Study".
Working on the selection of next project.
- G. Zaidan - Joined the Division on September 5.

cc: Messrs. de Vries, Hawkins, Niebuhr, Carter, Krishnamurty and Zaidan

Mr. A. M. Kassarck

September 18, 1967

Emmanuel Levy

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

World Tables 1967

1. Work was continued on the compilation of the basic data for these Tables. This project continues to occupy most of the staff of the Division.

Indonesia Mission

2. In preparation for his participation in the forthcoming mission to Indonesia, Mr. Novak began reviewing the physical sources and information available for this country. An attempt is also being made to compile a data file for Indonesia.

Miscellaneous

3. A table detailing the past and projected increase in GNP and population in developing countries was prepared for the Information Department (via Mr. Stevenson).

4. Detailed economic indicators for selected countries in Latin America were prepared at the request of the Information Department.

5. Revised estimates of GNP per capita in 1960 and 1966 were prepared for selected developed and developing countries, at the request of Mr. Friedman.

Elvyieb

cc: Mr. Stevenson
Mr. Collier

Mr. Andrew M. Kamarek

September 18, 1967

Jochen Schmedtje

Principal Activities of Investment Planning Division, September 1-15

- Davis : Prepared for mission to Ceylon; reviewed documentation on tourism in New Zealand; started preparing draft outlines of studies regarding investment planning in the tourism sector.
- de Wille : Away on mission to Dahomey.
- Meros : Completed draft paper on benefits of municipal water supply; further revision of draft paper on urban water demand.
- Oury : Attended Course on Modern Quantitative Techniques by Professor Walters; continued work on draft paper exploring the possibilities of deriving agricultural production models for developing countries and including a case study of Pakistan.
- Ray : Worked on revision of draft papers on economic benefits of road transport projects and optimum berth occupancy in ports.
- Reutlinger : Assisted Professor Walters in conducting Course on Modern Quantitative Techniques; miscellaneous reviews.
- Schmedtje : Attended Course on Modern Quantitative Techniques by Professor Walters; general supervision.
- Thias : Prepared draft outline of feasibility study of cost-benefit analysis in educational planning.

cc: Messrs. Stevenson
van der Tak

Jn JKS:es

to Dept-PR

Mr. J. H. Collier

September 18, 1967

John Hulley 9A

Progress Report - September 1-15

P. de Fontenay: Home leave.

V. Dubey: (a) Attended the course on Quantitative Techniques;
(b) drafted a letter for Mr. Graves (requested by Mr. de Vries);
(c) worked on some assignments concerned with IDA replenishment.

A. Karaosmanoğlu: (a) Prepared the draft appendix on External Debt in the Tunisian Mission Report;
(b) prepared a draft note on the computer programs to calculate capital requirements to fill the resource gap;
(c) worked on the implications of the paper on "The Objectives, Scope and Problems of the Work on External Debt Statistics" and discussed same with Mr. Tiemann.

B. Rao: (a) Wrote a note on Joint Finance;
(b) gave Mr. Yameogo of IMF information on external assistance;
(c) supplied data on capital flows to Mr. Sacchetti (memo dated September 11, 1967);
(d) handled an inquiry from Mr. Pincus of the Rand Corporation;
(e) discussed draft papers on regional development banks with Mr. Rist.

U. Garcia-Tobar: Following study on "reverse flows" of outflows of capital from LDCs.

J. Hulley: (a) Administration;
(b) prepared briefing materials for Mr. Knapp and Mr. Friedman for meetings with representatives of IDA donor countries.

Cc: Cc: Messrs. Kamarek
Kalsanoff

Mr. Andrew M. Kamarck

Sept. 7, 1967

Arthur E. Tiemann *atj*

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

A. EXTERNAL DEBT

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

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA

Date	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOT	-	<u>4</u> (1)	<u>1</u>	<u>9</u> (3)	<u>1</u>	<u>5</u>	-	<u>9</u> (3)	-	<u>14</u>
6/30/67	-	1	1	3(2)	1	2	-	3(3)	-	1
3/31/67	-	-	-	-	-	1	-	-	-	-
3/22/67	-	1(1)	-	-	-	-	-	-	-	-
12/31/66	-	1	-	5(1)	-	2	-	6	-	7
9/22/66	-	1	-	-	-	-	-	-	-	-
6/30/66	-	-	-	<u>1</u> / <u>1</u>	-	-	-	-	-	<u>4</u>
12/31/65	-	-	-	-	-	-	-	-	-	2

Note: Excludes 7 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. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
4. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
5. Preparation of lists and of explanations of foreign credits granted by GCC	Economics	In progress
6. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
7. Colombia - amortization schedule of proposed revisions of IBRD loan GO 369	W. Hem. (Zenick)	Completed
8. Checking registration certificates for debts contracted in 1965 and 1966 for Brazil	W. Hem.	Completed

Sept. 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Mexico - preparation of memorandum on debt submission as of December 31, 1966	W. Hem. (Ross)	In progress
10. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
11. Israel - updating of debt tables as of December 31, 1965	M-E. & N. Afr.	Completed
12. Italy - preparation of memorandum on debt submission as of December 31, 1966	Europe	Completed
13. Weighted average terms of debts contracted in 1964, 1965 and 1966 and tables of external financial assistance 1961-1966 for Tanzania, Uganda, Kenya and EACSO	Afr. (Krishna)	Completed
14. India - preparation of tables showing amount outstanding and service payments on external public debt as of March 31, 1967 and reported additions through July 31, 1967	Asia	In progress
15. India - preparation of tables showing service payments due on suppliers' credits outstanding December 31, 1966	Asia	In progress

B. GENERAL STATISTICS

Work	Requested by	Status
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 calculations: Petroleum consumption regression equation with GNP industrial production, energy consumption for U.S. 1950-65, calculation of elasticities.	Ec. (Huang)	Completed
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. Revision of import tables for 1965	Ec. (Balassa)	Completed
6. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Gury)	In progress
7. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
8. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
9. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
10. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Simple calculations: Kenya Road Project - calculation of rate of return 1966-1989	Ec. (Eklund)	Completed
12. Moderately complicated checking: Checking and proving the formulae for the calculation of the real value of foreign loans	Ec. (Dubey)	Completed
13. Moderately complicated regression analysis: Capital output ratios for Indian cement industry 1948-65; Indian iron and steel industry 1960-65; Colombia for 15 industries by two digit ISIC classification 1953-64	Ec. (Conrad, Manarolla)	In progress
14. Moderately complicated data handling: Road Project - rate of return with calculations of cost benefits	Proj. (Siret)	In progress
15. Complicated analysis: Disbursement patterns of IIRD loans by purpose and projections	Proj. (Ghadnet)	In progress
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 region, central region, lake steamers, Guaqui-La-Paz	Proj. (Sander)	On hand
17. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
18. Moderately complicated calculations: Costa Rica Agricultural Credit Project - cash flow calculations 1968-1987	Proj. (Andreu)	Completed
19. Simple calculations: Sudan - railroad irrigation project - calculation of rate of return	Proj. (Malone)	Completed
20. Simple calculations: Ivory Coast - Oil Palm Development Project - present value calculations	Proj. (Piecietto)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Moderately complicated tabulations: Preparation of country reports, IERD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
22. Moderately complicated tabulations: Preparation of reports on IERD and IDA disbursements in U.K. 1962-1966, by supplier and type of goods, etc.	Inf. (Love)	Completed
23. Simple calculations: Values of U.S. dollar in 20 countries 1956-1966	Adm. (Ripman)	Completed
24. 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
25. Moderately complicated tabulations: IERD and IDA loans and disbursements in Latin America, updating of tables	W. Hem. (Lenfant)	In progress
26. Simple calculations: Present worth of annuity tables	W. Hem. (Craig-Martin)	Completed
27. Moderately complicated collection of data: Malawi - prices for various grades of tobacco in Malawi 1953-1967 both export and average auction prices	Afr. (Chen-Young)	In progress
28. Simple regression analysis: Equations seeking to indicate significance of certain variables in determining significance of Ghana's cocoa crop with particular emphasis on the possible impact the new procedure's price will have on short term forces	Afr. (Hamael)	In progress
29. Moderately complicated tabulations and calculations: IDA and IERD local currency financing	Secys. (Cherniavsky)	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 program to evaluate the uncertainty of the internal rate of return of the Fort of Nogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Complex system analyses to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of credit information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on UN trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. 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. 6 diagrams - Supply and Demand of Qualified Manpower	Proj. (Van Dijk)	In progress
2.2. Peru organization chart	Proj. (Fernandez-Santos)	In progress
3. Sudan-Nahad Irrigation Project organization chart	Proj. (Sicely)	Completed
4. Argentina - El Chacón studies	Proj. (Howell)	Completed
5. Gabon educational pyramid chart	Proj. (Germanacos)	Completed
6. Mexico - behavior of imports in relation to GNP	W. Hem. (Pichler)	Completed
7. Population - per capita income	Ec. (Adler)	Completed
8. Update 2 charts for steel	Ec. (Walstedt)	Completed
9. Volume and Price Indices of World Export	Ec. (Khan)	Completed
10. French version of Oil Palm Production, Consumption and export projections	Afr. (Ba)	Completed
11. Kenya organization chart (diagram)	Afr. (de Wilde)	Completed
12. IUD Insertions and Sterilizations	Asia (Beneth)	Completed
13. Redraw - Bank loans to India	Asia (Kirk)	Completed
14. The flow of net official and private financial resources as a percentage of national income	Pres.Off. (Salan)	Completed
15. IFG Gross commitments, net earnings, etc.	Treas. (Rutland)	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 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 IIM cards to Statistics IIM 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 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 progress (such as revisions, updating, debugging and assistance in interpretation).

cc: Mr. Stevenson

/ms

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

Country	Projection & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>			
Iran	9/22/66; 3/22/67(new)	-	In progress
Iraq	12/31/66; 6/30/66; 12/31/65 (rev.)	-	In abeyance
Jordan	6/30/67	-	"
Morocco	12/31/66	-	In progress
<u>AFRICA</u>			
Botswana	6/30/67(new)	-	In progress
Cameroon	12/31/66	-	In progress
Ivory Coast	12/31/66	-	In progress
Lesotho	6/30/66	0	In abeyance
Malagasy	6/30/67	-	In progress
Malawi	6/30/67(new)	-	In progress
Mauritania	6/30/67	-	Completed
Rhodesia	12/31/66	-	In progress
Sierra Leone	12/31/66(new)	-	In progress
Zambia	12/31/66; 6/30/66(rev.)	-	In progress
<u>ASIA</u>			
Australia	12/31/66	-	In progress
China	6/30/67	-	In progress
India	3/31/67	-	In progress
New Zealand	6/30/67	-	In progress
Pakistan	12/31/66	-	In progress
Singapore	6/30/67	-	Completed
<u>EUROPE</u>			
Cyprus	6/30/67(new)	-	In progress
Greece	12/31/66	-	In progress
Italy	12/31/66	-	In progress
Malta	6/30/67(new)	-	In progress
Portugal	6/30/67(new)	-	In progress
Spain	12/31/66	-	In progress
Swaziland	12/31/66	-	In progress
Turkey	12/31/66	-	In progress
Yugoslavia	12/31/66	-	In progress
<u>WESTERN HEMISPHERE</u>			
Argentina	6/30/66; 12/31/66	-	In progress
Bolivia	6/30/66; 12/31/66	-	In progress
Chile	12/31/65; 6/30/66	-	In progress
Colombia	12/31/66	-	In progress
El Salvador	12/31/66	Huber-	In progress
Haiti	12/31/63; 12/31/64; 6/30/65	van der Heijden	In abeyance
Mexico	6/30/66; 12/31/66	"	In progress
Panama	12/31/65; 12/31/66	Ross	In progress
Uruguay	6/30/67	-	In progress
	12/31/66	-	In progress

Mr. George Kalmanoff

September 5, 1967

John Hulley *9H*

Progress Report - August 15 - August 30

- P. de Fontenay: (a) Drafted reply to Judge Coffin on impact of IDA operations on the U.S. balance of payments;
(b) completed most of the first part of the debt rescheduling study;
(c) Annual Leave - September 4 - October 9.
- V. Dubey: (a) Worked on Calculation of Various Measures of Protection of Automotive Equipment;
(b) note on the Various Measures of Protection;
(c) attended a seminar by Professor Manne of AID.
- A. Karaosmanoğlu: (a) Finished paper on External Debt Statistics;
(b) worked on the preparation of a letter and its attachments sent to UNCTAD;
(c) participated in a meeting on the Tunisian Debt Statistics;
(d) participated in five meetings on the preparation of a new version of EC-119.
- B. Rao: (a) Revised a paper on the IDB for Mr. Rist in the light of numerous discussions with Mr. Santa Cruz of the IDB;
(b) completed a paper on the Asian Development Bank for Mr. Rist;
(c) completed the work on LDC balance of payments for Mr. Balassa;
(d) currently reviewing a paper on joint financing and U.S. State Department estimates on LDC balance of payments.
- U. Garcia-Tobar: (a) Following study on outflows of capital from LDCs.
- J. Hulley: (a) Worked on response to UNCTAD request for debt data;
(b) sundry problems, personnel administration and general supervision.

Cc: Mr. A.M. Kamarck

jh/jb

Ec Rept -
P. Rep.

Mr. Andrew M. Kamarok

September 1, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - August 17-31

Walstedt:

- 1. General Supervision.
- 2. Memorandum and Discussion on Division Work Program.
- 3. Report on Heavy Mechanical Equipment.

Baranson:

- 1. Annual leave August 14-18.
- 2. New Zealand Mission Back-to-Office Report.

Cilingiroglu:

Home leave.

Datas:

Home leave.

Guillot:

Finalized brief paper on Allocation of Resources to Industry - its relations with Scale and Technology.
Leaving Division at the end of the month to take up position with the European Department.

Lall:

Heavy Mechanical Equipment Industry Report, chapter on Individual Country Experiences.

Nowicki:

Paris Office. Temporarily detached for study of "Recent French Thinking on Development Problems."

Schrenk:

Drafts for the Mechanical Engineering Industry Report, chapters on Selected Sub-sectors and on Production and Trade in World Context.

Villela:

- 1. Continued work on a short note on food processing industries.
- 2. Short note on industrialization prospects in Jordan and Israel for the Middle East Task Force.

Bruton: (consultant)

Submitted draft on Productivity Growth and Development in Latin America.

Harahap:

Statistics for the HME Report.
Index of Studies on the Economics of Major Industries.

May:

- 1. Short note for IFC on world market prices for steel (with special reference to Argentina)
- 2. Statistics for Heavy Mechanical Equipment Report.

Turay:

Submitted draft on demand analysis for Heavy Electrical Equipment.

c.c. Messrs. Stevenson, van der Tak,
Industrialization Division.


BW:ph

Mr. A. M. Kamarck

September 1, 1967

J. K. Schmedtje *JK*

Principal Activities of Investment Planning Division, August 16-31

- Davis : Collation of East Africa tourism annexes (4) into a single document and minor revisions; initial research for tourism aspects of Middle East Task Force's work; review of UNCTAD report on Tunisian tourism sector.
- de Weille : Prepared for and left on mission to Dahomey on August 27.
- Meroz : Continued work on draft paper on benefits of municipal water supply.
- Oury : Completed revision of draft paper on wheat production in West Punjab (Watercourse Study); continued work on redrafting general report, exploring the possibilities of deriving agricultural production models for developing countries.
- Ray : Finalized the theoretical part of the study of berth occupancy in ports; revising paper on benefits of road transport projects, written earlier with Mr. van der Tak.
- Reutlinger : Continued on El Salvador road reappraisal study; solicited and processed suggestions of problems to be presented to participants of quantitative methods course; miscellaneous reviews.
- Schmedtje : Away on annual leave until August 28; general supervision.
- Thias : Started preparatory work on feasibility study of cost-benefit analysis in educational planning.

cc: Messrs. Stevenson
van der Tak

JKS:es

<u>Study</u>	<u>Authors</u>	<u>Total man months required^{1/}/ (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	-	-	-	Division draft completed and reviewed.
2. Analysis of Road Construction and Maintenance Costs	de Weille) Angeles)	6	-	Jul.20/66	July/67	-	-	-	Division draft completed and being reviewed.
3. Urban Water Supply									
a. Economic Justification of Water Supply Projects	(de Wit)	5	-	June/65	Apr.1/66	-	-	-	Preliminary draft completed and reviewed; major revision necessary.
b. Urban Water Demand	Meroz	6	-	June/66	Feb./67	-	-	-	Division draft revised; additional work required.
c. Definition and Measurement of Benefits	Meroz	3	-	July/67	Oct./67	-	-	-	
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	12	-	July/66	Dec./66- Sept./67	Aug.- Nov./67	-	-	First stage only (general paper and Pakistan case study); draft paper on Program Windex completed and issued as Working Paper No. 3 in August; draft paper on Factors Influencing Wheat Production in West Punjab completed; draft proposal for Argentine beef production study has been prepared.
6. Uncertainty in Project Analysis	Reutlinger	6	-	Oct./66	Mar./67	June/67	-	-	Draft study revised and circulated.
7. Problems of Inflation in Project Analysis	Schmedtje	3	-	Jan.20/67	Nov./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 October/67.

<u>Study</u>	<u>Authors</u>	<u>Total man months required^{1/} (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>									
9. A Note on the Economic Benefits of Road Transport Projects	van der Tak) Ray)	4	-	-	-	Sept./67	-	-	Preliminary draft, being revised.
10. Cost-Benefit Analysis of Education Projects									
a. General Framework	Blaug (consultant)	1½	-	Oct./66	-	Mar./67	Oct./67	-	First stage only; draft discussed in May; revised draft completed.
b. Practical Applicability (Case Studies)	Thias	6	1½	Aug./67	Mar./68	-	-	-	Assistance by consultant and/or Young Professional under consideration.
11. Road User Charges	Walters (consultant)	4	-	Sept./66	-	Feb./67	-	-	First draft circulated end March; comments received, discussed in May; draft of summary paper received in August; to be followed by general revision of draft study.
12. El Salvador Feeder Road End-Use Study	de Weille) Reutlinger)	12(?)	-	-	-	Spring '68	-	-	Preparatory work completed.
13. Optimum Berth Occupancy in Ports	Ray) de Weille)	3	-	June 25/67	Sept./67	-	-	-	
<u>Operational</u>									
14. Indus Basin Study	Vergin	(?)	3	July 1/65	-	(?)	-	Aug./67	Indus Basin Special Study (headed by Mr. Lieftinck); study completed in August, at which time Vergin transferred to Projects Dept.
15. Dahomey Land Transport Survey	de Weille	2	½	Aug./67	-	(?)	-	-	UNDP project; de Weille assisting consultants retained by the Bank.

1/ For first draft.

Mr. Andrew M. Kamarek (through Mr. Collier)

September 1, 1967

Stanley Please

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

Mr. Holsen continued work on the study of domestic development finance in Brazil. In addition, he participated in the discussions between Mr. Avranovic, on behalf of the Bank, and the Brazilian Government and subsequently in preparing an extensive back-to-office report on these discussions. He has been on annual leave since 28 August.

Mr. Basoah continued work on government revenues in African countries and, in addition, reviewed the literature which has been concerned with the causes of interstate variations in state and local government expenditures in the U.S. Further preparatory work has been undertaken in connection with the proposed economic mission to Zambia.

Mr. Beier continued work on Pakistan electricity load control study.

Mr. Christoffersen continued work on the study of domestic development finance in Brazil.

Mr. Churchill returned from Central America where the field work for the road user charges study has been undertaken and has subsequently prepared a back-to-office report and commenced the analysis of the material collected in the field.

Mr. Gomez completed a draft report on budgetary concepts in developed countries for the President's Commission on Budget Concepts and has subsequently been engaged in discussions with the Commission.

Mr. Sciolli continued work on the draft reports for the Brazilian domestic development finance study. Departed for home leave on the 18th of August.

Mr. Edlund returned from home leave on August 17. Temporarily assigned to the Division from the Comparative Analysis Division in order to complete his study of earmarking of public revenues. He has been preparing material for leading an EDI workshop on roads as a factor in agricultural development.

Mr. Huber (temporarily assigned from the Western Hemisphere Department) participated with Mr. Churchill in the field work for the Central American road user charges study. Returned from Central America on August 25, and departed for home leave on August 30.

Professor Walters (Consultant) participated with Mr. Churchill in the field work for the Central American road user charges study. This stage of his consultancy was completed on August 19 and he subsequently submitted a back-to-office report.

Mr. Andrew M. Kanarek

-2-

September 1, 1967

Mr. Please participated in the preparation of the report of the economic mission to India and supervised the Division's activities. Returned from annual leave on August 23.

SPlease/lo

cc: Messrs. Stevenson and Collier.

Sept. 1, 1967

DOMESTIC FINANCE DIVISION - PROGRESS REPORT ON MAJOR STUDIES

<u>Study</u>	<u>Authors</u>	<u>Total man-months required (per author)</u>	<u>Mos. 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 Problem in Brazil	(Holsen	13	3	15 Aug 66)	early AUG. 67	31 Sept. 67	-	-	Draft Report delayed due to demands by the general economic mission to Brazil. Most sections are now completed or will shortly be completed. The writing of an introductory chapter and the editing of the individual contributions will be undertaken during September.
	(Christoffersen	13	3	1 Aug 66)					
	(Comiez	12	3	1 Aug 66)					
	(Sciolli	12	3	1 Aug 66)					
Extension of Sarnarking Study	Eklund	10	None	1 Jan 67	-	31 Oct. 67	-	-	The report on the first part of this study is circulating as a departmental working paper. It is expected that the general survey of literature and the collection of the data and other information which is available from published sources on sarnarking will be completed by the end of October or soon thereafter.
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.
Central American Road User Charges Study	(Churchill (Huber (Walters (Soyes* (Parkes*	7 7 2 Part-Time Part-Time	6 wks) 6 wks) 3 wks	10 May 67 July 67 July 67 July 67	30 Nov 67	29 Feb 68	-	-	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.

*Projects Department

Expt-
PRIP

Mr. A. M. Kasarck

September 1, 1967

Josefina Vial *J.V.*

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

World Bank Atlas

1. The draft of the introductory text and the footnotes were given to this Division by the Information Department for comments. Several changes were suggested and have been considered in the final version which went to press as of today.

World Tables, 1967

2. The compilation of basic data for these Tables continues to occupy most of the time of the staff of this Division, although during this two-week period, it has been repeatedly interrupted in order to comply with several urgent requests for smaller jobs within the Department.

Country Reports and Memoranda

3. A brief checking of the sections on national accounts for the documents for Ethiopia, Gabon and Israel was made and the findings in each case were discussed with the member of the Department who asked for our suggestions.

Miscellaneous

4. At the request of Mr. Sacchetti, two tables in connection with the IDA Replenishment were prepared for Mr. Woods.

5. Several tables on GNP, population and rates of investment for selected countries were prepared at the request of Mr. Adler for an article to be published in Romania.

cc: Messrs. Stevenson, Collier

JVial:eb

Mr. Andrew M. Kamarck

August 22, 1967

Arthur E. Tiemann *AST by JH WSP*

Progress Report of Statistical Services Division
for the period August 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									
	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOT	-	3	1	7(4)	2(1)	6(4)	1	6	1	12
Current tables:										
6/30/67	-	1	-	2(2)	-	3(3)	-	-	-	1
3/31/67	-	-	-	-	-	1	-	-	-	-
12/31/66	-	1	-	4(2)	2(1)	2(1)	1	6	1	6
9/22/66	-	1	-	-	-	-	-	-	-	-
6/30/66	-	-	-	1(1)	-	-	-	-	-	4
12/31/65	-	-	-	-	-	-	-	-	-	1
Historical tables:										
12/31/66	-	-	1	-	-	-	-	-	-	-

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

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
2. India - table of credits from Soviet Bloc for which service payments could not be projected as of March 31, 1967	Ec. (King)	Completed
3. Inventory for analyses of functions of External Debt Section	Ec. (Karaosmanoglu)	In progress
4. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
5. All countries - preparation of list of agreement dates of Ecimbank loans	Economics	In progress
6. Reviewing of creditor source information on suppliers' credits to India	Economics	Completed
7. Compilation of average terms of borrowing 1963-1965 for 46 countries	Economics	Completed
8. Preparation of model of discounted costs and benefits and derivation of grant element	Economics - Com	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
10. Mexico - preparation of tables by maturity	W. Hem. (Ross)	Completed
11. Mexico - preparation of tables by borrower, interest rate and length of maturity	W. Hem. (Ross)	Completed
12. Mexico - preparation of memorandum on debt submission as of 12/31/66	W. Hem. (Ross)	In progress
13. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
14. Israel - updating of debt tables as of December 31, 1965	M-E. & N.Afr.	In progress
15. Summing North African Debt tables	M-E. & N.Afr.	Completed
16. Tunisia - preparation of lists of external public debt and debts of private enterprise as of July 1967	M-E. & N.Afr.	Completed
17. Iran - amortization schedule of proposed IHRD loan of \$22,000,000 for Gharvin Dev. Project	M-E. & N.Afr. (Bart)	Completed
18. Summing African debt tables	Africa	Completed
19. India - IHRD actual and projected net investment in India - January 1960 to April 1972	Asia (Vogaw)	Completed
20. Uganda - preparation of amortization schedules	Proj. (Knobel)	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. Simple regression analysis: Electricity consumption study - production and consumption as function of income and population	Ec. (Walstedt)	Completed
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 collection of data: Export price 1960-65 from developing countries for fresh and preserved vegetables, crude petroleum and products, scrap metal, silk and natural gas	Ec. (Balassa)	Completed
6. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
8. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Simple calculations: IDA refinancing study	Ec. (de Fontenay)	In progress
10. Budget Account study: Republic of Chad - total expenses and income for municipalities for the years 1964 to 1967	Ec. (Booz)	Completed
11. Moderately complicated tabulations: IDA disbursements and commitments by category	Ec. (Goor)	In progress
12. Simple statistical analysis: Export quantity study - collection of data, calculations, updating the alter- native commodity price index, regression analysis	Ec. (Singh)	Completed
13. Simple collection of data: Israel - agricultural production, cosmo- dity, composition of export and import, 1955-65	Ec. (Villafuerte)	Completed
14. Moderately complicated regression analysis: Capital output ratios for Indian cement industry 1948-65; Indian iron and steel industry 1960-65; Colombia for 15 in- dustries by two digit ISIC classifica- tion 1953-64	Ec. (Conrad, Manarolla)	In progress
15. Moderately complicated data handling: Road Project - rate of return with calculations of cost benefits	Proj. (Siret)	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 esti- mates and expenditures, labor force, Peru and Bolivia income statement, conso- lidated trial balance, etc. for southern region, central region, lake steamers, Gusqui-La-Paz	Proj. (Sander)	On hand

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
18. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Hultin)	In abeyance
19. Simple calculations: Mexico Road Project - calculation of rate of return	Proj. (Muth)	Completed
20. Moderately complicated calculations: Kenya Road Project - calculation of rate of return on various road sectors and subsectors of the project	Proj. (Muth)	Completed
21. Simple calculations: Malaysia - Jengka Triangle Project - calculation of rate of return, checking of the report	Proj. (Walden)	Completed
22. Routine checking: Mexico Road Project	Proj. (Paraud)	Completed
23. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
24. Moderately complicated tabulations: World Bank group financing in the Americas by country, regional grouping and sector	Inf. (Love, Schmidt)	Completed
25. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	Completed
26. Simple regression analysis: Imports related to GNP, population and area for about 75 countries in 1953, 1958 and 1963	EDI (Dominguez)	Completed
27. 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
28. Moderately complicated tabulations: IBRD and IDA loans and disbursements in Latin America, updating of tables	W. Hem. (Lenfant)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
29. Simple regression analysis: El Salvador - revision of previous regression estimates, relations between GNP, imports, etc.	W.Hem. (Schmitt)	Completed
30. Moderately complicated collection of data: Malawi - prices for various grades of tobacco in Malawi 1953-67 both export and average auction prices	Afr. (Chen-Young)	In progress
31. Simple regression analysis: Equations seeking to indicate significance of certain variables in determining significance of Ghana's cocoa crop with particular emphasis on the possible impact the new procedure's price will have on short term forces	Afr. (Hammel)	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 program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Complex system analyses to plan and program a macroeconomic data bank	Ec. (Levy)	In abeyance
5. Highly complex system analysis and programming: Processing of creditor information (OECD/IBRD joint reporting system) to produce tapes for OECD and summary tables for participants	Ec. (Statistics)	In progress
6. Moderately complex computer program to calculate price indices on UN trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. 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. Indus Special Study - West Pakistan chart	Proj. (Willoughby)	Completed
2. Morocco organization chart (sketch)	Proj. (Goffin)	Completed
3. Zambia Forestry Project - 1 organization chart	Proj. (Helmers)	Completed
4. Malawi - 1 organization chart (sketch)	Proj. (Manning)	Completed
5. Malawi - 1 organization chart	Proj. (Malone/Haynes)	Completed
6. Turkey - organization chart, 1	Proj. (Douglass)	Completed
7. Ivory Coast - 2 organization charts	Proj. (Ludwig)	Completed
8. Algeria - 7 education charts (French version)	Algerian Mis. (Leon)	On hand
9. Update community charts	Ec. (Macene)	Completed
10. West Punjab - calendar of cotton cultivation	Economics	Completed
11. West Punjab - calendar of wheat cultivation	Economics	Completed
12. Volume and Price Indices of World Export	Economics	In progress
13. Spain - FIMSA - 7 charts	IFC (El Darwish)	Completed
14. Kenya - 1 organization chart (sketch)	Afr. (de Wilde)	In progress
15. Kenya - 1 organization chart (diagram)	Afr. (de Wilde)	In progress
16. Young Professional Program Schedule Display chart	Adm. (Andreau)	Completed
17. Bank loans to India - net investments	Asia (Kirk)	Completed
18. Redraw - Bank loans to India	Asia	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 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.

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).

cc: Messrs. Stevenson
King

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

Country	Projection & Date	Historical & Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>				
Iran	9/22/66	-	-	In progress
Iraq	12/31/66; 6/30/66; 12/31/65 (rev.)	-	-	In abeyance "
Jordan	6/30/67	-	-	In progress
Morocco	12/31/66	-	-	In progress
<u>AFRICA</u>				
Cameroon	12/31/66	-	-	In progress
Ivory Coast	12/31/66	-	-	In progress
Kenya	12/31/66	12/31/66	-	Completed
Lesotho	6/30/66	-	-	In abeyance
Malagasy	6/30/67(new)	-	-	In progress
Mauritania	6/30/67(new)	-	-	In progress
Rhodesia	12/31/66(new)	-	-	In progress
Zambia	6/30/66(rev.); 12/31/66(new)	-	-	In progress In progress
<u>ASIA</u>				
Australia	12/31/66	-	In progress	In progress
China	6/30/67(new)	-	-	In progress
India	3/31/67	-	-	In progress
New Zealand	6/30/67(new); 12/31/66(new)	-	-	In progress Completed
Pakistan	12/31/66(new)	-	-	In progress
Singapore	12/31/66; 6/30/67(new)	-	Asanuma	Completed In progress
<u>EUROPE</u>				
Greece	12/31/66	-	-	In progress
Italy	12/31/66	-	-	In progress
South Africa	12/31/66	-	-	Completed
Sp	12/31/66	-	-	In progress
Swasiland	12/31/66	-	-	In progress
Turkey	12/31/66	-	-	In progress
Yugoslavia	12/31/66	-	-	In progress
<u>WESTERN HEMISPHERE</u>				
Argentina	6/30/66; 12/31/66	-	-	In progress
Bolivia	6/30/66; 12/31/66	-	-	In progress
Chile	12/31/65; 6/30/66	-	-	In progress
Colombia	12/31/66	-	-	In progress
El Salvador	12/31/66	-	Huber	In progress
Haiti	12/31/63; 12/31/64; 6/30/65	-	van der Heijden	In abeyance "
	6/30/66; 12/31/66	-	-	In progress
Mexico	12/31/66	-	Ross	Completed
Panama	6/30/67	-	-	In progress
Uruguay	12/31/66	-	-	In progress

Mr. Andrew M. Kamarek

August 17, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - August 1-16

Walstedt:

1. General Supervision
2. Heavy Electrical Equipment Report: Editing and revision completed. This report will now be circulated to industry contacts.

Baranson:

New Zealand Mission

Cilingiroglu:

Home Leave

Datas:

Home Leave

Guillot:

1. Taking stock of miscellaneous information on small-scale industries and drafting a paper on "small-scale industries promotion and allocation of resources".

Lall:

1. Comments and suggestions regarding Nowicki's paper on Demand Projections for Automobiles.
2. Draft note on comparison of economic returns on power and industrial projects.

Nowicki:

Paris Office. Temporarily detached for study of "Recent French Thinking on Development Problems".

Schrenk:

Drafts for the mechanical engineering industry report.

Villela:

Vacation. Returned August 15.

Harahap:

Statistics for Heavy Mechanical Equipment Report.

May:

1. Short note for IFC on world market prices for steel (with special reference to Argentina)
2. Statistics for Heavy Mechanical Equipment Report.

Turay:

Some regression analysis regarding relationship between the demand for heavy electrical equipment and the production of power.


E. Joseph

c.c. Messrs. Stevenson, van der Tak
Industrialisation Division.

Mr. A. M. Kamarok

August 16, 1967

Josefina Vial *J.V.*

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

World Bank Atlas

1. Some revisions to the previous figures on GNP per capita and population were made and a new table containing rounded GNP figures was submitted to Mr. Lind of the Information Department on August 3.

Government Expenditures, by Function, in Developing Countries

2. The table containing this information, which constitutes Supplement No. 3 in the 1966 World Tables, was completed and distributed among the World Table holders.

World Tables, 1967

3. The compilation of basic data for these Tables continues to occupy most of the time of the staff of this Division.

Miscellaneous

4. A table containing rates of growth of GDP and population for some developed countries and East European countries for the period 1960-1965 was prepared at the request of Mr. Adler.

5. A revision of the same indicators for a group of developing countries was made and submitted to Mr. Adler.

cc: Messrs. Stevenson, Collier

JVial:eb

Mr. J. H. Collier

August 16, 1967

P. Streng

Comparative Analysis Division

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

- (1) revising capital requirements data, and
- (2) statistical work for Mr. Adler.

Messrs. Maiss, Kao and Maane are on home leave.

cc: Messrs. Kamarcik
Stevenson

PStreng:cc

Mr. George Kalmanoff

August 16, 1967

Badri Rao

Progress Report - August 1-15

- P. de Fontenay:
- (a) Completed work on Annual Report;
 - (b) started work on IDA replenishment;
 - (c) resumed work on debt consolidation study;
 - (d) prepared reply to Judge Coffin on effect of IDA operations on U.S. balance of payments.
- V. Dubey: Attended university course on corporate finance.
- U. Garcia-Tobar:
- (a) Completed paper on the Central American Bank for Economic Integration;
 - (b) worked on speculative and flight movements of capital.
- A. Karaosmanoglu: Progress report submitted with that of Statistics Division.
- B. Rao:
- (a) Discussed on two occasions IDB with Mr. Santa Cruz; in the light of these discussions my paper on IDB is being revised;
 - (b) furnished additional information to Mr. Balassa's balance of payments exercise;
 - (c) completed draft on Asian Development Bank which will be transmitted to Mr. Rist along with papers on the European Development Fund, the Central American Bank for Economic Integration and the European Investment Bank; a draft of a similar report on the African Development Bank has already been sent to Mr. Rist.
- J. Hulley: Annual leave until August 21.

BR
Cc: Mr. A.M. Kamarck

br/jb

Mr. Andrew M. Kamarok

August 4, 1967

Arthur E. Tiemann *act*

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

A. EXTERNAL DEBT

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

NUMBER OF COUNTRIES COMPLETED AND IN PROGRESS BY DEPARTMENT AND AREA

Date	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOT	1	3(1)	5	4(2)	2	3	-	5	2(1)	13(2)
6/30/67	-	1(1)	-	-	-	-	-	-	-	1(1)
3/31/67	-	-	-	-	-	1	-	-	-	-
12/31/66	1	1	4/1	4(2)	2	2	2	5	2(1)	7(1)
6/30/66	-	-	1	-	-	-	-	-	-	4
9/30/66	-	1	-	-	-	-	-	-	-	-
12/31/65	-	-	-	-	-	-	-	-	-	1

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

Work	Requested by	Status
2. Checking debt data received from Brasil	Ec. (Paulson)	Completed
3. Inventory for analyses of functions of External Debt Section	Ec. (Karaozmanoglu)	In progress
4. Preparation of data for debt model on developing countries	Ec. (de Vries)	In progress
5. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
6. Tunisia - preparation of weighted average tables for debts contracted in 1964, 1965, 1966 and 1967	Ec. (Karaozmanoglu)	Completed
7. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
8. Latin America - net IBRD and IDA lending from January 1960 through December 1967	W. Hem. (Lenfant)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
10. Amortization schedule of proposed \$7,500,000 IFG loan	IFC (Rainieri)	Completed
11. Summing North African debt tables	M-E. & N. Afr.	In progress
12. Tunisia - preparation of lists of external public debt and debts of private enterprise as of July 1967	M-E. & N. Afr.	In progress
13. Turkey - preparation of debt memorandum	M-E. & N. Afr.	Completed
14. Summing African debt tables	Africa	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: 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. Simple regression analysis: Electricity consumption study - production and consumption as function of income and population	Ec. (Walstedt)	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. (Haskins, Hall)	In progress
5. Simple collection of data: International liquidity position - calculations of countries' gold foreign exchange lendings to Fund	Ec. (Halley)	Completed
6. Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7. Moderately complicated regression analysis: Crop models for Uganda	Ec. (N. Carter)	In progress
8. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
9. Simple calculations: IDA refinancing study	Ec. (Halley)	Completed
10. Simple calculations: Chad weather data conversion of temperature rainfall data from metric to British system	Ec. (Booz)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11. Moderately complicated tabulations: IDA disbursements and commitments, quarterly	Ec. (Goor)	In progress
12. Simple statistical analysis: Export quantity study - collection of data, calculations, updating the alternative commodity price index, regression analysis	Ec. (Singh)	In progress
13. Simple regression analysis: Prices and regression equations for data on production and trade of various commodities in preparation for mission to New Zealand and Australia	Ec. (Elz)	Completed
14. Simple regression analysis: Capital output ratio - India cement 1948-64. Interrelationship among various economic indicators	Ec. (Conrad)	In progress
15. Moderately complicated data handling: Road Project - rate of return with calcu- lations of cost benefits	Proj. (Siret)	In progress
16. Complicated analysis: Disbursement patterns of IERD 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 esti- mates and expenditures, labor force, Peru and Bolivia income statement, conso- lidated 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. Simple calculations: Mexico Road Project - calculation of rate of return	Proj. (Muth)	In progress
20. Routine checking: A project in Malawi	Proj. (Soges)	Completed

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Routine checking: A project in Korea	Proj. (Mackay)	Completed
22. Moderately complicated tabulations: Preparation of country reports, IERD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
23. Moderately complicated calculations: Bank-IDA disbursements by purpose, type of expenditure and by countries: FY 1961-62 to FY 1966-67	Secys. (Cherniavsky)	Completed
24. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress
25. Routine checking: Annual Report for corresponding figures in text and tables	Pres. Off. (de Fontenay)	Completed
26. 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
27. Moderately complicated tabulations: IERD and IDA loans and disbursements to W.H., fiscal 1966/67 and cumulative 6/30/67 by country, net and gross and various classifications	W. Hem. (Lenfant)	In progress
28. Moderately complicated collection of data: Malawi - prices for various grades of tobacco in Malawi 1953-67 both export and average auction prices	Afr. (Chen-Young)	In progress
29. Simple regression analysis: Equations seeking to indicate significance of certain variables in determining signi- ficance of Ghana's cocoa crop with particu- lar emphasis on the possible impact the new procedure's price will have on short term forces	Afr. (Hansel)	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. (Rizman)	In abeyance
2. Moderately complex program to evaluate the uncertainty of the internal rate of return of the Port of Mogadiscio project	Proj. (Pouliquen)	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 tape file and the required retrieval and processing procedures	Ec. (Statistics)	In progress
4. Complex systems analyses 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. Moderately complex computer program to calculate price indices on UN trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. Participation in the activities of the computer working committee	Adm. (Fraser)	In progress
8. Simple program to compute two year lag, two year running average, three year lag, and three year running average	Ec. (Oury)	Completed

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Indus Special Study - Public Lubewell Project (12 charts revised)	Proj. (Willoughby)	Completed
2. Morocco organisation chart (sketch)	Proj. (Goffin)	In progress
3. Turkey organisation chart (sketch)	Proj. (Bhatia)	Completed
4. Uganda - 2 organization charts	Proj. (Knobel)	Completed
5. Malawi - organization chart (sketch)	Proj. (Manning)	In progress
6. Malawi - organization chart	Proj. (Malone)	On hand
7. Turkey - organization chart	Proj. (Douglass)	On hand
8. Ivory Coast - 2 organization charts	Proj. (Ludwig)	On hand
9. Tanganyika - revise Capacity of Demand chart	Proj. (Wyatt)	Completed
10. Malagasy Republic - Schedule of Construction	Proj. (Stewart/Thint)	Completed
11. Algeria - 7 education charts (French version)	Algerian Mis. (Leon)	On hand
12. 39 charts on commodity price trends, updated	Ec. (Maccone)	Completed
13. 2 charts for Mexican Transformer Prices	Ec. (Walstedt)	Completed
14. 5 charts for the Volta Project (to be sent to John Hopkins)	Dev. Services (Lind/J. King)	Completed
15. Spain - FEMSA - 7 charts	IPC (El Darwish)	In progress
16. Brazil - Alcominas Construction Schedule	IPC (Brenner)	Completed
17. Staffing schedule prepared for printing (in French)	Afr. (Assa)	Completed
18. Kenya - organization chart, diagram	Afr. (de Wilde)	On hand
19. Young Professional Program Schedule Display Chart	Adm. (Andreu)	On hand
20. Administrative Expenses - revised	Adm. (Eschenberg)	Completed

Mr. Andrew M. Kamarck

- 8 -

August 4, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Mexico - Behavior of Commodity Imports in Relation to GNP	W. Ham. (Pichler)	Completed
22. IBRD Primary Commodity Price Index Chart	Pres. Off. (de Fontenay)	Completed
23. Revise chart for yields on long-term government bonds	Pres. Off. (de Fontenay)	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 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 ~~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)

cc: Messrs. Stevenson
King

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

Country and Date	Requested by	Status
<u>MIDDLE EAST & NORTH AFRICA</u>		
IRAN - September 30, 1966		In progress
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
JORDAN - June 30, 1967(new)		In progress
MOROCCO - December 31, 1966		In progress
TUNISIA - December 31, 1966	Karacomanoglu	Completed
<u>AFRICA</u>		
CAMEROON - December 31, 1966		In progress
EACSO - December 31, 1966		Completed
IVORY COAST - December 31, 1966		In progress
LESOTHO - December 31, 1966		Completed
June 30, 1966		In abeyance
MALAWI - December 31, 1966 (revised)	Edelman	Completed
MURITIUS - June 30, 1966		Completed
SOUTH AFRICA - December 31, 1966 (new)		In progress
SWAZILAND - December 31, 1966 (new)		In progress
UGANDA - December 31, 1966 (new)		Completed
<u>ASIA</u>		
AUSTRALIA - December 31, 1966		In progress
INDIA - March 31, 1967		In progress
JAPAN - December 31, 1966		Completed
MALAYSIA - December 31, 1966		Completed
SINGAPORE - December 31, 1966	Asanuma	In progress
<u>EUROPE</u>		
GREECE - December 31, 1966		In progress
ITALY - December 31, 1966		In progress
SPAIN - December 31, 1966		In progress
TURKEY - December 31, 1966		In progress
YUGOSLAVIA - December 31, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; Dec. 31, 1966		In progress
BOLIVIA - June 30, 1966; Dec. 31, 1966		In progress
CHILE - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1966		In progress
COSTA RICA - December 31, 1966		Completed
EL SALVADOR - December 31, 1966	Huber	In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965	van der Heijden	In abeyance
June 30, 1966; Dec. 31, 1966		In progress
MEXICO - December 31, 1966	Ross	In progress
NICARAGUA - December 31, 1966 (new)		Completed
PANAMA - June 30, 1967 (new)		In progress
URUGUAY - December 31, 1966 (new)		In progress

Mr. Andrew M. Kamarck (through Mr. Collier)

August 1, 1967

Stanley Please

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

Mr. Holsen continued work on study of domestic development finance in Brazil and participated in discussions with the general economic mission to Brazil. General supervision of Division activities during Mr. Please's absence.

Mr. Basoah - continued work on tax revenues in African countries and reviewed report prepared by the Fiscal Affairs Department of the IMF on tax policy and administration in Malawi.

Mr. Beier - continued work on Pakistan electricity load control study and, with the assistance of Mr. Churchill, prepared draft paper on rail-road rates and user charges for road services in Spain as a basis for discussion between the Projects Department, European Department and the Spanish authorities.

Mr. Christoffersen - continued work on Brazilian financial study and participated in the Corporate Finance course.

Mr. Churchill - continued work on the study of road user charges in Central America prior to departure to undertake the field work for this study on the 30th of July. ~~on the 30th of July.~~

Mr. Gomez - completed drafts of several sections of the Brazilian domestic development finance study and commenced work for the President's Commission on Budget Concepts.

Mr. Sciulli - continued work on the draft reports of the Brazilian domestic development finance study and participated in discussions with members of the Middle East and North Africa Department regarding the terms of reference for a study of the Tunisian tax structure.

Mr. Huber - (assigned temporarily from Western Hemisphere Department) and Prof. Walters (consultant) - participating with Mr. Churchill in the study of road user charges in Central America prior to departure for field work in Central America on the 30th of July.

Mr. Please - returned from India on July 23. Subsequently preparing a contribution to the report of the economic mission to India and supervising the Division's activities.

cc: Messrs. Stevenson and Collier

DOMESTIC FINANCE DIVISION - PROGRESS REPORT ON MAJOR STUDIES

<u>Study</u>	<u>Authors</u>	<u>Total man-months required (per author)</u>	<u>Mos. Field work</u>	<u>Starting date</u>	<u>Division draft</u>	<u>First draft</u>	<u>Econ. Coma. draft</u>	<u>Blue Cover</u>	<u>Remarks</u>		
Development Finance	(Holsen	13	3	15 Aug 66)	early	31 Sept.	-	-	Draft Report delayed due to demands by the general economic mission to Brazil. Most sections are now completed or will be completed in early August except that of Mr. Christoffersen's which will be completed by the end of August when he returns from the Corporate Finance course. The writing of an introductory chapter and the editing of the individual contributions will be undertaken during September after Mr. Holsen has returned from Brazil where he is to participate in the Bank discussions with the Brazilian Government.		
	(Christoffersen	13		1 Aug 66)						Aug.	67
	(Cozier	12		1 Aug 66)							
	(Sciolli	12		1 Aug 66)							
Extension of Sausarking Study	Eklund	3	None	1 Jan 67	-	31 Oct. 67	-	-	The report on the first part of this study is circulating as a departmental working paper. It is expected that Eklund will complete his general survey of literature and collection of the data and other information which is available from published sources when he returns from home leave at the		

<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>
									end of August. He will not then be part of Domestic finance Division but it is hoped that he will be able to complete the study as a member of the Comparative Analysis Division.
Central American Road User Charges Study	(Churchill (Huber* (Walter***) (Sogon*** (Paris***)	7 7 2 Part-Time Part-Time	6 wks) 6 wks) 3 wks	10 May 67 July 67 July 67 July 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.

*Western Hemisphere Dept.
** Consultant
*** Projects Department

Mr. George Kalmanoff

August 1, 1967

Badri Rao

Progress Report - July 15-31

P. de Fontenay:

- (a) Worked on the Annual Report;
- (b) completed memo to Mr. Michael Hoffman on aid to developing countries with a consortium or consultative group;
- (c) worked on a request by Mr. de Vries on British blocked accounts in Ceylon and Ghana.

V. Dubey:

- (a) Completed draft of an article for Mr. Friedman;
- (b) wrote a draft note on certain calculations on the heavy electrical equipment industry for Mr. de Vries;
- (c) now attending corporate finance course.

U. Garcia-Tobar:

- (a) joined the division as a young professional on July 17. Will stay until mid-December;
- (b) worked on a paper related to the study on multilateral agencies. This paper deals with the Central American Bank for Economic Integration.
- (c) started a study on Argentina's capital inflows and outflows.

J. Hulley:

Annual leave.

A. Karasmanoglu:

Will submit his report with that of Statistics Division.

B. Rao:

- (a) Completed current and public account tables for Dr. Balassa; a third and final table is under preparation;
- (b) spoke to Mr. Anraku of Yale on foreign aid policies;
- (c) revising drafts on regional development banks in the light of Mr. Rist's comments;
- (d) spoke to Mr. Michael Hoffman regarding the Battelle proposal on tourism.

Cc: Mr. Kamarek

BR
br/jb

File
E. Deynt - P.R.

Mr. Andrew M. Kmarck

August 1, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - July 17 - 31.

Walstedt:
1. General supervision.
2. Heavy Electrical Equipment Report (editing and revision).

Baranson: Mission to New Zealand

Gilingiroglu: Home Leave

Datas: Home Leave

Gillot:
1. Final changes and editing of Lebanon report.
2. Taking stock of miscellaneous information on textile industry.

Lall:
1. Reviewing Nowicki's paper on "Projection of Automobile Demand."

Nowicki: Home Leave

Schrenk:
1. Drafts for the Mechanical Engineering Industry Report.
2. Review and comment on the report "Techniques for Project Appraisal under Uncertainty."

Villela:
1. Lecturing at IDB Seminar in Peru on economic appraisal of industrial projects.

Harahap: Industrial Protection Study
1. Production and Trade figures on heavy mechanical equipment.

May:
1. Production and Trade figures on heavy mechanical equipment.

Tursy:
1. Completion of bibliography for Automotive Industry Study.
2. Analysis of Demand for Heavy Electrical Equipment.

MLL
EUG:gb

cc: Messrs. Stevenson
van der Tak
Industrialisation Division

Mr. A.M. Kamarck

July 31, 1967

J.K. Schmedtje *JKS*

Principal Activities of Investment Planning Division, July 16-31

- Davis : On home leave.
- de Wille : Continued work on El Salvador feeder road end-use study (with Mr. Reutlinger) and on the port study (with Mr. Ray); finished division draft of working paper "A Review of 62 Road Project Appraisal Reports" (with Miss Angeles).
- Merox : Continued work on benefits of municipal water supply.
- Oury : Continued work on redrafting general paper exploring the possibilities of deriving agricultural production models for developing countries; prepared for and attended two seminars on tropical agriculture in Africa.
- Ray : Continued work on optimum berth occupancy in ports.
- Reutlinger : Continued work on El Salvador feeder road end-use study; prepared for and attended two seminars on tropical agriculture in Africa; miscellaneous reviews and comments.
- Schmedtje : Miscellaneous reviews and comments; general supervision.
- Thias : Completed work on first draft of appraisal report on education project in Gabon.
- Vergin : Completing Indus Basin Study; attended Corporate Finance Course beginning July 24.

cc: Messrs. Stevenson
van der Tak

JKS:jln

August 1, 1967

Investment Planning Division - Progress Report on Major Studies

<u>Study</u>	<u>Authors</u>	<u>Total man months required^{1/} (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	July/67	-	-	-	Division draft completed.
3. Urban Water Supply	(de Wit) Meroz	5 6	- -	June/65 June/66	Apr.1/66 Feb/67	- July/67	- -	- -	Preliminary draft (de Wit) completed and reviewed; Division draft on demand aspects 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	12	-	July/66	-	Dec/66- July/67	-	-	First stage only (introduction and Pakistan case study); second progress report available; draft papers on Program Windex and Factors Influencing Wheat Production in West Punjab completed; draft proposal for Argentine beef production study has been prepared.
6. Uncertainty in Project Analysis	Reutlinger	6	-	Oct/66	March/67	June/67	-	-	Draft study revised and circulated.
7. Problems of Inflation in Project Analysis	Schmedtje	3	-	Jan.20/67	Oct./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 Sept/67 .
9. A Note on the Economic Benefits of Road Transport Projects	van der Tak) Ray)	4	-	-	-	-	-	-	Draft completed and reviewed.
10. Cost-Benefit Analysis of Education Projects	Blaug (consultant)	1½	-	Oct/66	-	March/67	-	-	First stage only; draft discussed in May; revised draft completed ; 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 being prepared, to be followed by general revision of draft study.
12. Feeder Road End-Use Study	de Weille) Reutlinger)	12(?)	-	-	-	Spring '68	-	-	Preparatory work now in progress.
13. Port Study	Ray) de Weille)	3	-	June 25/67	Sept/67	-	-	-	
<u>Operational</u>									
14. Indus Basin Study	Vergin	(?)	3	July 1/65	-	(?)	-	Aug./67	Indus Basin Special Study (headed by Mr. Lieftinck); Vergin with Econ. Dept. since July 1/65; Basin Study started Feb. 1965.

^{1/} For first draft.

Mr. A. M. Kamarck

July 31, 1967

Josefina Vial *J.V.*

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

World Bank Atlas

1. Work on the 1965 estimates of population, GNP and GNP per capita for all countries, as well as the population for the 25 most populous metropolitan areas, was completed and submitted to Mr. Lind of the Information Department on July 27.

GNP and Population, 1950 and 1965

2. At the request of Mr. Lind, estimates on population, GNP and GNP per capita for 1950 and 1965 have been prepared for a number of developing countries. These estimates were submitted to Mr. Lind on July 28.

Government Expenditures, by Function, in Developing Countries

3. The table containing this information which will be incorporated as Supplement No. 3 in the 1966 World Tables is being typed and will be ready for distribution within this week.

World Tables, 1967

4. The compilation of basic data for these tables started on July 24. The work on these tables is expected to keep the staff of this Division occupied for the months to come.

Miscellaneous

5. The IDA brief for Burma was received and reviewed according to the old format.

6. A new research assistant, Mr. Diego Tamayo, joined the Division on temporary basis for the summer.

cc: Messrs. Stevenson, Collier

JVial:eb

Mr. Andrew M. Kamarok

July 19, 1967

Arthur E. Tiemann *act*

Progress Report of Statistical Services Division
for the period July 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	M-E. & N.A.		Africa		Asia		Europe		W.H.	
	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.	Compl.	In progr.
TOTAL	-	3	1	6(1)	-	4(1)	2	5(3)	2	11
3/31/67	-	-	-	-	-	1	-	-	-	-
12/31/66	-	2	1	5(1)	-	3(1)	2	5(3)	-	6
6/30/66	-	-	-	-	-	-	-	-	-	4
9/30/66	-	1	-	-	-	-	-	-	-	-
12/31/65	-	-	-	1	-	-	-	-	-	1

Note: Excludes 9 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. Service payments for 1966	Economics	Completed
4. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress
5. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
6. Preparation of tables showing actual and projected service payments for 1956-1981 on road loans to El Salvador, Guatemala and Honduras	W. Hem. (Huber)	Completed
7. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W. Hem.	In progress
8. Amortization schedules of proposed IFC loans to Pakistan	IFC (Murumatsu)	Completed

July 19, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Tunisia - preparation of memorandum on debt submission as of 12/31/66	M-E. & N. Afr.	In progress
10. Chad - preparation of amortization schedules for newly contracted loans on assumed terms	Africa	Completed
11. Tanzania - preparation of amortization schedule for proposed IERD loan	Africa	Completed
12. Pakistan - preparation of amortization schedules for proposed IDA loans	Asia (McDiaruid)	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.	Simple regression analysis: Electricity consumption study - production and consumption as function of income and population	Ec. (Walstedt)	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 calculations: Supplementary finance study - various measures of deviation from actual exports for 22 countries	Ec. (Maccone)	Completed
6.	Complicated data search and regression analysis: Agricultural model - Indus Basin projection, yield, prices and numerous agricultural inputs	Ec. (Oury)	In progress
7.	Moderately complicated regression analysis: Crop models for Uganda	Ec. (N.Carter)	In progress
8.	Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
9.	Simple calculations: IDA refinancing study	Ec. (Hulley)	In progress
10.	Simple calculations: Updating the alternative commodity price index	Ec. (Singh)	In progress

July 19, 1967

	<u>Work</u>	<u>Requested by</u>	<u>Status</u>
11.	Simple regression analysis: Water supply study - interrelationships among GNP, revenue, temperature	Ec. (Meros)	Completed
12.	Simple statistical analysis: Export quantity study - collection of data, calculations, regression analysis	Ec. (Singh)	In progress
13.	Simple calculations: Brazil road survey - average traffic on roads and charts	Proj. (Siret)	Completed
14.	Moderately complicated data handling: Road Project - rate of return with calculations of cost benefits	Proj. (Siret)	In progress
15.	Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
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 education project	Proj. (Hultin)	In abeyance
18.	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
19.	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, Dubey)	In progress
20.	Moderately complicated tabulations: IBRD, IDA and IFC loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
21. Moderately complicated tabulations: Preparation of country reports, IBRD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
22. Moderately complex calculations: Moroccan Mission - imports, exports, value and value projections - balance of payment projections, investment by sector and projections	Afr. (Edelman)	Completed
23. Moderately complex data handling: Tourism study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress
24. Simple calculations: Reserves as percentages of imports for various countries	Pres.Off.(Jalan)	Completed
25. 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
26. Moderately complicated tabulations: IBRD and IDA loans and disbursements to W.H., fiscal 1966/67 and cumulative 6/30/67 by country, net and gross and various classifications	W.Hem. (Lenfant)	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)	Completed
6. Moderately complex computer program to calculate price indices on UN trade statistics	Ec. (N. Carter & Niebuhr)	In progress
7. Run of weather index program with modifications	Ec. (N. Carter)	Completed
8. 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. Malaysia - 2 organization charts	Proj. (Carnemark)	Completed
2. Colombia - 1 organization chart	Proj. (Rossi)	Completed
3. Uganda- 2 organization charts	Proj. (Knobel)	On hand
4. Gabon - Education Project construction schedule	Proj. (Thint)	Completed
5. Indus Special Study - 12 charts - revised	Proj. (Willoughby)	Completed
6. Values and consulting assignments - 1 chart, updated	Proj. (Vogel)	Completed
7. Chad - 5 educational charts	Proj. (Blakey)	Completed
8. Algeria - 7 education charts (French version)	Algerian Mis.(Leon)	On hand
9. 39 charts on commodity price trends, updated	Ec.(Macone)	On hand
10. Charts to be prepared or drawn for the Volta Project (to be sent to John Hopkins)	Dev.Services(Lind/J.King)	In progress
11. Development of Price Level for Hydro-Electric Generators - 1 chart	Ec.(Cilingiroglu)	Completed
12. Development of Price Level for Hydro-Electric Generators - 1 chart, redrawn	Ec.(Walstedt)	Completed

July 19, 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 IEM cards to Statistics IEM 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 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 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. 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>MIDDLE EAST & NORTH AFRICA</u>		
IRAN - September 30, 1966		In progress
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
MOROCCO - December 31, 1966		In progress
TUNISIA - December 31, 1966	Karaosmanoglu	In progress
<u>AFRICA</u>		
CAMEROON - December 31, 1966		In progress
EACSO - December 31, 1966		In progress
ETHIOPIA - December 31, 1966		Completed
IVORY COAST - December 31, 1966		In progress
LESOTHO - December 31, 1966 (new) June 30, 1966		In progress
MAURITIUS - December 31, 1965		In abeyance
UGANDA - December 31, 1966		In progress
<u>ASIA</u>		
AUSTRALIA - December 31, 1966 (new)		In progress
INDIA - March 31, 1967		In progress
JAPAN - December 31, 1966		In progress
MALAYSIA - December 31, 1966		In progress
SINGAPORE - December 31, 1966	Asanuma	In abeyance
<u>EUROPE</u>		
FINLAND - December 31, 1966		Completed
GREECE - December 31, 1966 (new)		In progress
ICELAND - December 31, 1966		Completed
ITALY - December 31, 1966		In progress
SPAIN - December 31, 1966 (new)		In progress
KEY - December 31, 1966 (new)		In progress
YUGOSLAVIA - December 31, 1966		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; Dec. 31, 1966		In progress
BOLIVIA - June 30, 1966; Dec. 31, 1966		In progress
CHILE - Dec. 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1966		In abeyance
COSTA RICA - December 31, 1966		In progress
EL SALVADOR - December 31, 1966	Huber	In progress
HAITI - Dec. 31, 1963 & 64; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Heijden	In abeyance
MEXICO - December 31, 1966	Ross	In progress

Mr. Andrew M. Kamarck

July 18, 1967

Bertil Walstedt

Principal Activities of the Industrialization Division - July 1-15

Walstedt:

1. General supervision
2. Revisions Heavy Electrical Equipment Report.

Baranson:

Industrial Protection Study

1. Finalization of automotive industry report.
2. Preparation for New Zealand Mission.

Gilingiroglu:

Industrial Protection Study

1. Revisions Heavy Electrical Equipment Report.
2. Home Leave - July 8.

Datas:

Industrial Protection Study

1. Heavy Electrical Equipment - revisions and additions
2. Report on "Consumer Spending Patterns and Income Elasticities of Demand" - draft completed.

Guillot:

Annual Leave

Lall:

Industrial Protection Study

1. Editing Heavy Electrical Equipment Report

Nowicki:

Home Leave

Schrenk:

Industrial Protection Study

1. Drafts for the Heavy Mechanical Engineering report.

Villela:

1. Continued reading material on food processing industries with the objective of preparing a short note on food processing industries in developing countries.
2. Reviewed the industrial part of the Bank Brazilian report.

July 18, 1967

3. Review and comments on a document presented to the Economic and Social Council of the French Republic proposing a new criterion for evaluating the impact of an industrial project in a developing country.

Harahap:

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.

Turay:

1. Editing the Automotive Industry Report tables
2. Summary - Complementation Agreement in the Automotive Industry of Latin American countries.
3. Summary - Pakistan Steel Industry operations 1964-66.


c.c. to Stevenson
van der Tak
Industrialization Division

BW:ph

Mr. George Kalmanoff

July 18, 1967

~~Vinod Dubey~~

Progress Report - July 1-15

P. de Fontenay:

- (a) Worked on Annual Report;
- (b) worked on Debt Rescheduling Study;
- (c) worked on a request by Dr. Raj for information on British blocked holdings abroad.

V. Dubey:

- (a) Read the Brazil Economic Report and attended a meeting of the Working Party to discuss the report;
- (b) wrote a draft of a note dealing with the problem of IFC investment in projects producing surplus commodities;
- (c) worked on an article for Mr. Friedman.

B. Rao:

- (a) Continued work on Mr. Rist's paper; gave him preliminary drafts of few sections;
- (b) discussed balance of payments for Liberia, India and Malawi with the Fund;
- (c) reviewed with Mr. Lenfant availability of capital flow data for Latin America;
- (d) discussed with Mr. Levy's division problems connected with their format on the foreign exchange gap presentation.

A. Karaosmanoglu:

- (a) Worked on Malawi and Tunisia mission reports;
- (b) reviewed two chapters of the DAC Chairman's Report for Mr. Kalmanoff;
- (c) worked on a memo for Mr. Kamarck on the Local Cost Financing Needs for Argentina.

P. Leon

Home leave.

Cc: Mr. A. M. Kamarck

VD/yd

Mr. A. M. Kamarok

July 18, 1967

Josefina Vial

Y.V.

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

World Tables

- 1. Worksheets for the preparation of the new issue of the World Tables was completed.
- 2. Work on the collection of data has been started.

GDP Per Capita in U.S. Dollars - World Bank Atlas

- 3. The work on this project has been completed in a preliminary form and it is ready for typing.
- 4. Estimates of the population of the 25 largest cities in the world are being prepared and will be added to the new issue of the "World Bank Atlas."

Government Expenditures, by Function, in Developing Countries

- 5. This information will be incorporated in the 1966 World Tables as Supplement No. 3. All computations have been completed and it is expected that the tables will be ready for distribution within this month.

Miscellaneous

- 6. The detailed country breakdown of the regional GDP and population growth rates given in World Table Supplement No. 2 was completed and sent to Mr. Lind of the Information Department on July 12.
- 7. Mr. Levy is on home leave since July 11.

cc: Messrs. Stevenson, Collier

JVial:eb

Mr. Andrew M. Kamarck

July 7, 1967

Arthur E. Tiemann

Progress Report of Statistical Services Division
for the period June 16-30, 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</u>	<u>7(1)</u>	-	<u>4(1)</u>	<u>2</u>	<u>5(2)</u>	<u>3</u>	<u>11(2)</u>
Mar. 31, 1967	-	-	-	1(1)	2	3(2)	3	6(2)
Dec. 31, 1966	1	7(1)	-	2	-	-	-	-
June 30, 1966	-	-	-	-	-	1	-	4
Sept. 30, 1966	-	-	-	1	-	-	-	-
Dec. 31, 1965	-	-	-	-	-	1	-	1

Note: Excludes 9 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. India - preparation of table showing debt contracted, service payments, and disbursements from April 1 - Sept. 30, 1966	Ec. (King)	Completed
4. Compilation of data for debt model on developing countries	Ec. (de Vries)	Completed
5. Exchange Plan data compiled for India 1961 - 1966	Ec. (King)	Completed
6. Preparation of debt cards and posting June 30, 1966 of Dept. of Agriculture loans to African and Asian countries	Economics	Completed
7. Preparation of debt cards and posting of Eximbank loans for European and Middle-Eastern countries	Economics	Completed
8. All countries - preparation of list of agreement dates of Eximbank loans	Economics	In progress

July 7, 1967

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
9. Preparation of debt cards and posting of Eximbank loans for Western Hemisphere countries	Economics	Completed
10. Collection of data on C.C.C. Export Credit Sales Program	Economics	Completed
11. Export-Import Bank - checking guarantee status of loans to Asian and African countries	Economics	Completed
12. India - checking historical tables 1956-1965	Ec. (King)	Completed
13. Bolivia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	In progress
14. Preparation of tables showing actual and projected service payments for 1956-1981 on road loans to El Salvador, Guatemala and Honduras	W.Hem. (Ruber)	In progress
15. Colombia - preparation of memorandum on debt submission as of Dec. 31, 1966	W.Hem.	In progress
16. Mali - preparation of memorandum on debt submission as of Dec. 31, 1966	Africa	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)	Completed
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. (Lau)	Completed
6. Complicated data search and regression analysis: 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. Checking on the availability of data: East Pakistan agricultural study	Ec. (Oury)	Completed
9. Simple regression analysis: Malaysia - import data related to various variables	Ec. (Niebuhr)	In progress
10. Simple calculations: IDA refinancing study	Ec. (Hulley)	In progress
11. Simple calculations: Updating the alternate commodity price index	Ec. (Singh)	In progress

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
12. Moderately complicated regression analysis: Agricultural Model - Angstrom aridity index	Ec. (Oury)	Completed
13. Simple regression analysis: Water Supply Study - interrelationships among GNP, revenue, temperature	Ec. (Merox)	In progress
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)	Completed
16. Routine checking: Mexico - highway project	Proj. (Paraud)	Completed
17. Complicated analysis: Disbursement patterns of IBRD loans by purpose - regression analysis of data etc.	Proj. (Chadenet)	In progress
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., central ry., lake steamers, Guasqui-la-Paz	Proj. (Sander)	On hand
19. Highly technical statistical analysis: Optimum cost model of an education project	Proj. (Haltin)	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)	In progress
21. 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, Dubgy)	In progress
22. Moderately complicated tabulations: IBRD, IDA and IFG loans by purpose for Asia (departmental)	Inf. (Sankaran)	On hand

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
23. Moderately complicated tabulations: Preparation of country reports, IERD and IDA disbursements by commodity, name of firm, loan no. and amounts	Inf. (Sankaran)	In progress
24. Moderately complex tabulations: Chad Economic Mission - collection and tabulations of budget data 1960-66 by group, principal, commodity, destination, and origin	Afr. (Boos)	Completed
25. Moderately complex calculations: Moroccan Mission - imports, exports, value and value projections - balance of payment projections, investment by sector and projections-	Afr. (Edelman)	In progress
26. Moderately complex data handling: Tourism Study - data collection, plotting graphs, growth rates	IFC (Cohn)	In progress
27. Moderately complicated regression analysis: Export fluctuation study	Pres.Off. (Sundrum/Cassner)	Completed
28. Routine checking: Annual report calculations, editing on trade and finance	Pres.Off. (Kochav)	Completed
29. 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

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
C. PROGRAMMING		
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. Moderately complex computer program to calculate price indices on UN trade statistics	Ec. (Carter & Niebuhr)	In progress
7. Run of weather index program with modifications	Ec. (Carter)	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)	Completed

July 7, 1967

D. GRAPHICS

<u>Work</u>	<u>Requested by</u>	<u>Status</u>
1. Malaysia - 2 organization charts	Proj.(Carnemark)	In progress
2. Colombia - organization chart, 1	Proj. (Rossi)	On hand
3. Malagasy Republic - 1 education chart	Proj. (Stewart)	Completed
4. Iran - revised organization chart	Proj. (Douglass)	Completed
5. Chad - Road Maintenance and Study Project - 1 organization chart	Proj. (Irion)	Completed
6. Morocco - Development of Tadla Irrigation Area	Proj. (Goffin)	Completed
7. Gabon - 3 education charts	Proj. (Germanacos)	Completed
8. Chad - 5 education charts	Proj. (Blakey)	In progress
9. Indus Special Study - preparation of 11 charts for printing	Proj. (Willoughby)	Completed
10. 1 chart - values of consulting assignments	Proj. (Vogel)	Completed
11. Algeria - 7 charts, education (French version)	Algerian Mis.(Leon)	On hand
12. 2 charts on Water Wheel Generators	Ec. (Gilingiroglu)	Completed
13. 1 chart - Brazil: Sector origin of Net National Product at Factor Costs (revised)	Ec. (Villafuertes)	Completed
14. Charts to be prepared or drawn for the Volta Project (to be sent to John Hopkins)	Dev.Services(Lind/J.King)	On hand

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 12/31/66

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. 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	Lan	Completed
MOROCCO - December 31, 1966		In progress
TUNISIA - December 31, 1966(new)	Karaozmanoglu	In progress
UGANDA - December 31, 1966		In progress
<u>ASIA</u>		
INDIA - March 31, 1967(new)		In progress
IRAN - September 30, 1966		In progress
JAPAN - December 31, 1966		In progress
MALAYSIA - December 31, 1966		In progress
SINGAPORE - December 31, 1966	Asanuma	In abeyance
<u>EUROPE-MIDDLE EAST</u>		
FINLAND - December 31, 1966		In progress
IRELAND - December 31, 1966		In progress
IRAQ - Dec. 31, 1966; June 30, 1966; Dec. 31, 1965(rev.)		In abeyance
ITALY - December 31, 1966(new)		In progress
JORDAN - December 31, 1966		Completed
MAURITIUS - Dec. 31, 1965; June 30, 1966		In progress
UNITED KINGDOM - December 31, 1966		Completed
YUGOSLAVIA - December 31, 1966(new)		In progress
<u>WESTERN HEMISPHERE</u>		
ARGENTINA - June 30, 1966; December 31, 1966		In progress
BOLIVIA - June 30, 1966; December 31, 1966		In progress
BRAZIL - December 31, 1965; June 30, 1966		In progress
COLOMBIA - December 31, 1966		In abeyance
COSTA RICA - December 31, 1966		In progress
EL SALVADOR - December 31, 1966(new)	Huber	In progress
GUATEMALA - December 31, 1966		Completed
HAITI - Dec. 31, 1963 & 64; June 30, 1965 June 30, 1966; Dec. 31, 1966	van der Heijden	In abeyance In progress
MEXICO - December 31, 1966 (new)	Ross	In progress
TRINIDAD & TOBAGO - December 31, 1966		Completed
VENEZUELA - December 31, 1966		Completed

Statistical Services Division
Economics Department
July 7, 1967

Ec Dept
P Rep

Mr. Andrew M. Kamarck

July 5, 1967

Bertil Walstedt

Principal Activities of the Industrialisation Division - June 16-30

- Walstedt :
1. General Supervision
 2. Field interviews with equipment manufacturers June 19
 3. Heavy Electrical Equipment Report (editing and revision)
- Baranson :
- Industrial Protection Study
1. Final revisions of Automotive Industry Report incorporating all comments received to date
- Cilingiroglu:
- Industrial Protection Study
1. Revision of Heavy Electrical Equipment Report
- Datas :
- Industrial Protection Study
1. Financial structure of some major manufacturers of Heavy Mechanical Equipment (completed)
 2. Report on "Consumer Spending Patterns and Income Elasticities of Demand" - draft now near completion
- Guillot :
1. Finalized draft report on Lebanon
 2. Annual Leave - June 26 - July 21
- Lall :
- Industrial Protection Study
1. Editing Heavy Electrical Equipment Report
- Nowicki :
- Home Leave
- Schrenk :
- Industrial Protection Study
1. Continued work on the structure of the U.S. Heavy Mechanical Equipment Industry
 2. Evaluation of field interviews with manufacturers of Heavy Mechanical Equipment
- Villela :
1. Preparation of short note on the role of food processing industries in the developing countries.
 2. Review of literature on the role of government industrial enterprises in the industrialisation of Japan, as background for an understanding of the apparently similar role played in Pakistan by PIDC's industrial companies.
 3. Analysis and comments on OAS's report on the Industrialisation of Latin America, presented at the meetings in Vina del Mar, Chile (June 1967).

July 5, 1967

Harahap :

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.

Turay :

Industrial Protection Study

1. Summary of recent developments, Indian fertiliser industry, particularly press comments related to Mr. Woods' visit.
2. Compilation of final tables on the Automotive Industry Study.

c.c: Messrs. Stevenson, van der Tak
Industrialisation Division



Mr. Andrew M. Kamarck

July 5, 1967

G. Kalmanoff

Progress Report for Period June 16 - 30, 1967

In addition to routine supervision of the International Divisions:

Guinea - Participated in Economic Sub-Committee Meeting on green cover report.

Suppliers' Credits - Prepared answers to questions on Report raised by DAC Working Party on Financial Aspects of Development Assistance, for transmittal to Paris Office of Bank in replying to questions.

Trends in German Aid, with Special Reference to Reparations - Prepared memorandum to Mr. Friedman for use in connection with Mr. Woods' visit to Germany.

Statement for Presentation to U.N. Economic and Social Council - Prepared first draft of statement to be delivered by Mr. Friedman at July meeting of U.N. Economic and Social Council.

DAC Report on Shipping Credits - Memo for Mr. Friedman.

Brazilian Action Group in UNCTAD - Memo for Mr. Friedman.

Bank representation at DAC Meetings - Memo for Mr. Kamarck.

cc: Mr. Stevenson

GKalmanoff:fc

gs-12-

Ec Dept
P Rep.

Mr. A.H. Kamrock

July 3, 1967

H.K. Haskins

Work Program of the Applied Quantitative Research Group for Two-week Period
Ending June 30, 1967

- H.K. Haskins
 - Preparation of capital inflow paper for issue to economic committee.
 - General supervision.
 - Preliminary work on population paper.
- A. Hanes
 - Further work on the feasibility of model work on Peru.
- H.J. Nicholas
 - Further work on econometric model for Malaysia, including consideration of import classification required.
 - Annual loans.
- J.C. Liu
 - Final work on econometric work for Brazil.
 - (Left service of the Bank on 30 June)
- H.G. Carter
 - Continuation of work on Uganda model.
 - Continuation of work on Jamaica model.
 - Attendance at seminar on African agricultural development.
- K. Krishnamurti
 - Completed preliminary estimation work in preparation for writing up project.
- H. Hall
(Consultant)
 - Completed first draft of analysis of consumer expenditure in Jamaica.

H.Haskins/ta

cc: Messrs. Stevenson, de Vries, Hanes, Nicholas, Liu, Carter, Krishnamurti and Hall

STATES OF MAJOR STUDIESEstimated dates for the completion of the different stages

			Draft under consideration within the Bank.	
A. Klasse	<u>Study of Indian Planning Models^a</u>			
H.G. Carter and E.K. Hurdine 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 (project now under the control of Mr. de Vries. routine supervision by Mr. Krishnamurti)	<u>Econometric Model for Brazil</u>	Complete	Complete	Subject to discussion within the Bank.
R.J. Niebuhr	<u>Econometric Model for Malaysia</u>	Complete	Complete	July 1967.
K. Krishnamurti	<u>Study of Consumption/Savings Relationships</u>	Complete	Complete	Project now being written up.
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. Coorad (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.

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

Mr. A. M. Kazarok

July 3, 1967

Emanuel Levy

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

World Tables

1. A revised scheme of 8 World Tables was circulated among Area Economic Advisers and Advisers and Division Chiefs within the Economics Department, for comment.
2. Suggestions and criticisms were requested by June 30, and a number of replies have already been received.

GNP Per Capita in U.S. Dollars

3. Work on this project is almost completed and the results will be submitted to the Information Department during the first half of July.

Miscellaneous

4. An additional World Table supplement detailing central government expenditure by function in developing countries is now in an advanced stage of preparation. It is hoped to affect distribution by the middle of July.
5. A detailed country breakdown of the regional GNP and population growth rates given in World Table Supplement No. 2, is being prepared for Mr. Lind of the Information Department.
6. Experimental computations of GNP per capita in 1939, in 1965 dollars, are also being carried out at the request of Mr. Lind.
7. Comments on the Statistical Appendix to the Guinea IBRD Country Report were submitted orally to Mr. Kalmanoff.
8. A revised text was completed for the new draft of the Country Data Briefs.
9. Mr. O. Anochie joined the Division on June 29 as a research assistant.

cc: Messrs. Stevenson, Collier

ELevy:eb

Excerpt -
P. Rep

Mr. G. Kalmanoff

July 3, 1967

Vinod Dubey *VD*

Progress Report - June 15-30

P. de Fontenay:

- (a) Worked on Annual Report;
- (b) commented on paper by Mr. de Vries on Multiple Exchange Rate;
- (c) obtained from the Exchange and Trade Relations Division of the Fund information on past debt rescheduling operations.

V. Dubey:

- (a) worked on a memo to Mr. Kalmanoff on Mr. Friedman's query about the OECD position on credit for sales of ships;
- (b) finalized Mr. Leon's memo to Mr. Sacchetti on the Inter-American Development Bank;
- (c) worked on methods of studying disbursement patterns, and
- (d) worked on an article for Mr. Friedman (still under preparation).

B. Rao:

- (a) Wrote two memos on recent developments in the field of tourism and on UNCTAD's proposed work on private direct investments;
- (b) discussed IDB with Messrs. Kybal and Santa Cruz;
- (c) handled an inquiry from Dr. Donner relative to US contributions to IERD/IDA;
- (d) continued work on multilateral agencies.

P. Leon:

Home leave.

A. Karaosmanoğlu:

Progress Report submitted with that of Statistics Division.

Cc: Mr. A.M. Kamarek

VD/jb

*Ec. Dept -
Progress Rep*

Mr. A. M. Kamarck

July 3, 1967

Jan de Weille

Principal Activities of Investment Planning Division, June 16-30

- de Weille : Participated in negotiations with consultants on the Dehoney Land Transport Study; general supervision in the absence of Mr. van der Tak.
- Meros : Prepared draft paper for the appraisal of the Nairobi water supply project; continued work on draft study on urban water demand.
- Oury : Further revision of draft paper on Program Windex; submitted proposal for Argentine beef production study; commented on and attended meeting on Econometric Model of the Brazilian Economy (1953-1964).
- Ray : Completed draft paper on the economic benefits of road transport projects; started work on port study (with Mr. de Weille).
- Reutlinger : Continued work on the El Salvador feeder road end-use study (with Mr. de Weille); attended seminar on Tropical African Agriculture.
- Schmedtje : Away on mission in Geneva.
- Sharif : Completed work on the agriculture and transportation sectors of the Thailand mission report. Completed assignment with the Bank on June 30.
- Thias : Returned from mission to Gabon on June 22; started work on the preparation of first version of education project appraisal report.
- Vergin : Returned from home leave on June 26; completing Indus Basin Special Study.
- van der Tak : On home leave.

JdeW:smc

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

July 3, 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	July/67	-	-	-	Intended to be issued shortly as a working paper.
3. Urban Water Supply	(de Wit)	5	-	June/65	Apr.1/66	-	-	-	P reliminary draft (de Wit) completed and reviewed; Division draft on demand aspects being revised.
	Meroz	6	-	June/66	Feb/67	July/67	-	-	
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- July/67	-	-	First stage only (introduction and Pakistan case study); second progress report available; paper on Program Windex being revised; draft proposal for Argentine beef production study has been prepared.
6. Uncertainty in Project Analysis	Reutlinger	6	-	Oct/66	March/67	June/67	-	-	Draft study revised and circulated.
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 July/67.
9. A Note on the Economic Benefits of Road Transport Projects	van der Tak) Ray)	-	-	-	-	-	-	-	Draft completed.
10. Cost-Benefit Analysis of Education Projects	Blaug (consultant)	1½	-	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 in progress.
13. Port Study	Ray) de Weille)	3	-	June 25/67	Sept/67	-	-	-	
<u>Operational</u>									
14. Indus Basin Study	Vergin	12(?)	3	July 1/65	-	(?)	-	July/67	Indus Basin Special Study (headed by Mr. Lieftinck); Vergin with Econ. Dept. since July 1/65; Basin Study started Feb. 1965.

1/ For first draft.