

AGENCY FOR INTERNATIONAL DEVELOPMENT WASHINGTON, D. C. 20523 BIBLIOGRAPHIC INPUT SHEET	FOR AID USE ONLY <i>BATCH # 22</i>
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1. SUBJECT CLASSIFICATION	A. PRIMARY	Serials	Y-AE30-0000-0000
	B. SECONDARY	Agriculture--Development	

2. TITLE AND SUBTITLE
 An analytical study on A.I.D.-university-contract projects in agricultural education and research; phase I final report

3. AUTHOR(S)
 (101) Purdue Research Foundation

4. DOCUMENT DATE 1965	5. NUMBER OF PAGES 88p.	6. ARC NUMBER ARC 630.711.C568a
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7. REFERENCE ORGANIZATION NAME AND ADDRESS
 Purdue Res.

8. SUPPLEMENTARY NOTES (*Sponsoring Organization, Publishers, Availability*)
 (Research summary)

9. ABSTRACT

**BEST COPY
AVAILABLE**

10. CONTROL NUMBER PN-RAB-334	11. PRICE OF DOCUMENT
12. DESCRIPTORS Project planning Technical assistance	13. PROJECT NUMBER
	14. CONTRACT NUMBER CSD-754 Res.
	15. TYPE OF DOCUMENT

August 12, 1965

FINAL REPORT

Phase I

CIC-AID Rural Development Research Project

"An Analytical Study of A. I. D. University-Contract Projects
in Agricultural Education and Research"

A. I. D. -- P. R. F. (on behalf of C. I. C.) Contract No. AID/csd-754

I. Introduction

On March 29, 1965, there was transmitted by C. I. C. an Interim Report on the A. I. D. - C. I. C. Rural Development Research Project entitled, "An Analytical Study of A. I. D. University-Contract Projects in Agricultural Education and Research."

On May 14, 1965, the CIC transmitted to AID a second document entitled, "Proposed Operational Plan for Phase II of 'An Analytical Study of A. I. D. University-Contract Projects in Agricultural Education'." This document consisted of a condensed and re-written version of the basic concepts which were presented in the above referenced Interim Report, and added additional details of the operational plan.

No changes have been made in the basic plans for the scope of work, the purposes of the study and the operational plan since the presentation to A. I. D. of the referenced documents. These two documents form the base for and are made a part of this final report.

II. Significant Activities Subsequent to the Submission of the Interim Report

A. Land Grant College Action

The International Rural Development Subcommittee of the National Association of State Universities and Land Grant Colleges, which has joined with A. I. D. in sponsoring this study, approved the proposed scope of work, purposes of study and operational plan on April 9, 1965.

B. Phase II Contract

On June 29, 1965, A. I. D. entered into a contract with the Purdue Research Foundation, on behalf of the CIC, for Phase II of "An Analytical Study of A. I. D. University Programs in Agricultural Education and Research in Less Developed Countries." The above contract for Phase II of the study provides for the conduct of the Proposed Operational Plan.

C. Project Activities

Since submission of the Interim Report, significant progress has been made under the present contract covering Phase I of the study in several areas:

1. The development of definitive statements of content for each segment of the study together with a coordinated Time Table of Operations.
2. The arrangements with other universities and personnel for the implementation of the Operational Plan for Phase II of the study.
3. The collection of project data and source materials.
4. The acquisition of pertinent information about several planned or on-going research projects which have significance for this project.

III. Definitive Statements of Content for Each Segment of the Study

A. Overall Organization

The operational plan provides for the overall study to be organized on the basis of eight major segments. Although each of these segments will be treated as a unit, they will be closely coordinated to form integral parts of a single study. These segments are:

1. Central Staff Functions: Overall project direction and coordination, plus those substantive functions which can be handled most economically on a centralized basis.
2. Overseas Data Collection and Geographic Area Analyses: four segments, one for each of the A. I. D. Regions.
3. World-Wide Analyses
 - a. One segment dealing with "Project Effects on Host Institutions" and "Patterns of Institutional Development. "
 - b. The second segment dealing with "Factors Affecting the University-Contract Project as a Technical Assistance Device" and "Effects on U. S. Institutions of Participation in International Rural Development Assistance. "
4. Literature Search: i. e. , selective review of results from previous and on-going research in related fields.

B. Central Staff Functions:

The duties and responsibilities assumed by the University of Wisconsin for the Central Staff functions of this project are described in detail in Section I of the subcontract between the Purdue Research Foundation and the University of Wisconsin. This section of the subcontract is attached as one item in Appendix A. Briefly the duties and responsibilities of the Central Staff function are:

1. To guide, direct, coordinate and integrate all aspects of the substantive work required to conduct a research project to study systematically the experience of the A. I. D. university-contract program of technical assistance in the field of rural development in order to strengthen the factual and analytical bases for policy, program and operating decisions concerning assistance to foreign agricultural education and research institutions through contract with U. S. universities.
2. To perform those substantive functions which can be handled most economically on a centralized basis including, but not necessarily limited to, the making of appropriate arrangements with universities which have or have had A. I. D. contracts of interest to this project in order to supply such relevant information and data as may be practicably available from their respective files.
3. To locate and enlist the cooperation of qualified universities for carrying out different segments of the study.

C. World-Wide Analyses I and II

These two segments of the study have responsibility for the detailed planning and conduct of the analyses essential to efficient achievement of:

1. Objectives A and B as set forth in Section IV of the Operational Plan for this research--i. e. , "Project Effects on Host Institutions" and "Factors Influencing Types of Institutions Best Suited to Country Needs", for World-Wide Analysis I.
2. Objectives C and D as set forth in Section IV of the Operational Plan for this research--i. e. , "Factors Influencing the Effectiveness of the University-Contract Project Device for Conveying Technical Assistance" and "Effect on U. S. Institutions of Participating in International Rural Development Assistance. "

The study leaders for these two segments of the work are expected to have demonstrated proficiency in planning and directing research relevant to the field of this study and ability to work effectively in a "team research" situation. In addition, it is essential that the study leaders for this phase of the work have broad firsthand knowledge of the purposes and methods of

university-contract assistance to developing foreign agricultural education and research institutions and of conditions in underdeveloped countries toward which this assistance is directed.

Identifying relevant questions and evolving practicable methods for getting answers to them is only part of the task of analysis. Distinguishing the important from the merely relevant is another. The real premium in this phase of the research, however, is upon producing new insights into the process of developing useful agricultural education and/or research institutions in underdeveloped countries and of drawing valid inferences about the influence of different factors upon this process. Those leading this work need to have the combination of intellectual curiosity and tenacity, professional ability and technical assistance experience which will produce these insights and inferences out of the complex web of popular beliefs and diverse local conditions.

Given these attributes, the particular discipline from which the individuals come is secondary. One with a strong background in developmental economics and the other with special competence in the development of education and research institutions would appear ideal. In the event that neither of these qualifications are found in the study leaders, they must be provided through short-term supplemental staff.

D. Overseas Data Collection and Geographic Area Analysis

The detailed statement for each of the four geographic areas are in large part alike, with the necessary modifications for the particular Region. In each instance, the university accepting responsibility for one of the geographic area segments will be expected to:

1. Participate in framing the detailed research design and implementation schedules for all aspects of the study and such periodic revisions as project experience reveals to be advantageous.
2. Provide a qualified senior research officer to be stationed at an appropriate location in the Region whose duties will include:
 - a. Evaluating data sources and selecting those most appropriate to the respective specified needs of the study.
 - b. Recommending advantageous modifications in the research design and/or implementation schedules to incorporate promising new lines of inquiry, better adapt implementation schedules or procedures to local conditions, etc.
 - c. Collecting data in accordance with the agreed implementation plans and time schedules, forwarding these data promptly to the Project Director, and making such re-arrangements in schedule content and/or time sequence as the Project Director may require.

- d. Providing the qualified staff and services required for preparing an area analysis and report.

The researcher posted overseas will be expected to have responsible research, advisory and/or teaching experience in underdeveloped countries and demonstrated ability to work easily and effectively with foreign nationals. Additionally, the individual undertaking this assignment should be genuinely interested in the subject of this research and the purpose it seeks to further; be intellectually curious and adept at distinguishing between the important and the incidental; and have a solid grounding in research methods applicable to this project. He should also have a broad understanding of the U. S. Land-Grant system and its role in rural development in the United States.

Given these personal and professional attributes, the individual could come from any of several disciplines. An agriculturally-oriented social science background with training and experience in developmental economics is to be preferred. Suitable candidates might well be found, however, in administration, education, anthropology, sociology, or in any of several related fields.

This assignment can provide a challenging and richly rewarding educational experience to the person undertaking it. These factors deserve heavy weight in selecting the individual to fill this position. Unless he is interested in making this a learning experience and an opportunity for professional development, chances are that a person will contribute much less than he should to the success of this research.

E. Literature Search

This segment of the study will have primary responsibility for making an historical analysis of the evolution of the A. I. D. university-contract program as it relates to rural development with a primary view toward identifying the principles which have guided and presently are guiding policy formulation and implementation in this field.

More specifically the university carrying this responsibility will be expected to:

1. Compile a bibliography of project reference materials derived from literature on previous and on-going research in related fields.
2. Interview individuals with special knowledge of the historical development of the AID-University Contract Programs.
3. Prepare a report on the analysis of the preceding materials giving emphasis to the principles which have guided AID-university cooperation in assisting the development of foreign agricultural education and research institutions.

4. Participate in framing the detailed research design and implementation schedules for all aspects of the study and such periodic revisions as project experience reveals to be advantageous during the period in which this "Literature Search" segment of the study is in progress.

The leadership of this phase of the study deserves, and requires, the talents of a top-flight social scientist endowed with a keen interest in the evolution of policies and programs for assisting the development of foreign agricultural education and research institutions. This individual also must have a broad understanding of the U. S. Land-Grant College system, its historical development, and the role it has played in American agriculture.

Experience of working and living in underdeveloped countries would be helpful but is not essential. Particularly helpful would be research and/or teaching experience in an agricultural college in a less developed country or that of serving as an advisor to such an institution as a member of a university contract team.

IV. Implementation of the Operating Plan for Phase II

A. Cooperating Universities and Personnel

The operational plan described in the contract for Phase II of the study proposes organization of the study on the basis of eight major segments with a qualified university executing a subcontract with the Purdue Research Foundation for one of the segments. The following universities have made commitments for the acceptance of the responsibility for the indicated segments of the work; subcontracts between each of these universities and the PRF are now being negotiated. It is expected that arrangements will shortly be completed for those items left blank in the list below.

<u>Segment of the Study</u>	<u>Cooperating University</u>	<u>Principle Investigator</u>
Central Staff Functions	University of Wisconsin	Ira L. Baldwin R. Wade Jones
World-Wide Analysis I	Purdue and Indiana Universities, cooperatively	David R. Derge
World-Wide Analysis II	University of Illinois	Harold Halcrow George Brinegar
Literature Search	University of Minnesota	Robert T. Holt

<u>Segment of the Study</u>	<u>Cooperating University</u>	<u>Principal Investigator</u>
Africa Region	Ohio State University	William A. Wayt (Overseas Researcher) Howard C. Williams (Home Campus Liaison)
Latin America Region		(Overseas Researcher) (Home Campus Liaison)
Far East Region	Utah State University	(Overseas Researcher) (Home Campus Liaison)
Near East and South Asia Region	North Carolina State University	Jackson A. Rigney (Overseas Researcher) (Home Campus Liaison)

In each instance, the individuals selected by the universities are well qualified for the tasks to which they have been assigned. The biodata sheets for each of the principal investigators are attached as Appendix B.

B. Projected Time Table

1. Arrangements have been made for an orientation meeting of the principal investigators, to be held August 30-31 and September 1 in Chicago. Representatives from A. I. D. , USDA, and NASULGC, as well as members of the CIC Advisory Committee for this project, have been invited. The purpose of this meeting is to lay preliminary plans for:
 - a. developing a detailed research design
 - b. carrying out the research program
2. During September and October, the Project Director and Associate Director expect to visit several countries in each of the four Regions. These visits are aimed toward obtaining AID Mission and Host Country suggestions on study content and methods, exploring broadly the prospective availability of useful data and making tentative arrangements for headquartering the overseas researchers at appropriate Missions. If possible, the Overseas Researcher to be stationed in a particular Region will accompany the Central Staff member visiting that Region. Each regional trip will require 2-4 weeks. Mr. Baldwin will visit the countries of NEESA and the Far East. Mr. Jones will visit the countries of Latin America and of Africa.

3. Following completion of the country visits, a four-week workshop is planned to complete the detailed research design and implementation schedules. November 14 to December 11 is the time for which this workshop is scheduled and it is expected that all who are to be substantially engaged in the study will participate. The success of this research effort depends heavily upon the cooperative development of a suitable research design by all who are to play significant roles in the conduct of the research.
4. The Overseas Researchers will proceed to their posts about January, 1966.

V. The Collection of Project Data and Source Materials

A. AID-University Contracts in Rural Development

The tables listing the various university contracts abroad in the field of rural development since the start of the U. S. technical assistance program, which were incorporated in the Interim Report, have now been revised and brought up to date. Several new contracts have been executed in the last six months. These tables are attached as Appendix C.

B. Especially Pertinent Documents

AID has provided copies or has made available for study many of the more significant documents concerned with AID-university projects in rural development. Several project reports have been supplied by universities. Especially pertinent general purpose reference materials are also being distributed to the principal investigators. The list of materials is far from complete and the process of collection and distribution will be continued. Appendix D contains a listing of the documents collected and distributed.

C. Project Files Data

The university project files promise to be a valuable source of data for this study. A preliminary examination of these files in a few institutions has both indicated the type and value of the data to be derived from a systematic search of the files and has confirmed our belief that these files can best be studied by a staff member of the local institution who is familiar with the project.

The Dean of each Land-Grant College which now has or has recently carried on an AID-university project in rural development has been asked to cooperate in this study and to nominate a member of his staff to accept responsibility for the study. Initial response to this request has been excellent.

VI. Pertinent Information About Planned or On-Going Research Projects
Related to the Scope, Purpose or Methodology of this Contract

A number of on-going or planned research projects which are related to this project, either in purpose, scope or methodology, have been identified. Undoubtedly, there are many others which will need study. In preparing the detailed research design for and in the conduct of the research on this project, advantage will be taken of information derived from related research projects and, wherever desirable, cooperative arrangements will be made with related AID-supported projects.

A. Related Research Projects at Syracuse University and Education and World Affairs (EWA)

Mr. Noble Clark, formerly Associate Director of the Wisconsin Agriculture Experiment Station, has been employed as a consultant for the purpose of studying certain of the related research projects. His biodata sheet is attached as a part of Appendix B. Mr. Clark has visited appropriate research workers at Syracuse University and will soon visit Education and World Affairs. Both of these institutions have on-going research projects which are of interest to this project. A brief summary report of the findings of Mr. Clark are attached as Appendix E.

B. Consortium for Study of Nigerian Rural Development

One aspect of the studies planned by the CSNRD closely parallels, in a limited geographical area, the scope and the purpose of our world-wide studies. Arrangements have been made with the director of the Nigerian study to depend largely upon their Study Team for the collection of Nigerian data. This cooperative endeavor will prevent duplication of effort and will strengthen each of the studies.

C. Other Related AID Studies

A number of other on-going AID-sponsored studies are in some way related to the purposes of our study. With some of these projects, study plans and reports have been studied in considerable detail. In others some preliminary discussions have been held with the principal investigators. The achievement of effectiveness and efficiency in the operations of this research project will require close liaison and in some cases cooperation at least with the following related AID-financed research projects.

1. "Land Tenure Center research and training program"--The University of Wisconsin
2. "An analysis of factors associated with differences and changes in agricultural production in the less developed countries"--USDA

Appendix A

Definitive Statements of Content
for Each Segment of the Study

- Item 1: Extract from Purdue Research Foundation-University of Wisconsin subcontract for Phase II.
- Item 2: World-wide Analysis II. (The statement for World-wide Analysis I is not included as it duplicates the Analysis II statement except for subject matter field covered.)
- Item 3: Overseas Data Collection and Geographic Area Analysis. (The first four pages of the statements for each of the four regions are identical; hence, only one set is included here. The fifth page of each statement relates to the conditions in the particular region; hence, the fifth page of the statement for each region is included here.)
- Item 4: Literature Search.

Item 1: Extract from Purdue Research Foundation-University of Wisconsin
Subcontract for Phase II.

1. Operational Plan

- A. The Subcontractor agrees to use its technical resources and experience to guide, direct, coordinate and integrate all aspects of the substantive work required to conduct a research project to study systematically the experience of the A. I. D. university-contract program of technical assistance in the field of rural development in order to strengthen the factual and analytical bases for policy, program and operating decisions concerning assistance to foreign agricultural education and research institutions through contracts with U. S. universities.
- B. Said research shall be conducted in accordance with the Operational Plan set forth in Annex 2 as Appendix B to the prime contract between A. I. D. and the Contractor (hereinafter called "prime contract Operational Plan") which is attached hereto and made a part hereof.
- C. Unless otherwise mutually agreed between the Contractor and Subcontractor in writing, said research shall be organized on the basis of the eight major segments set forth in Article III-D of above said prime contract Operational Plan, viz:
 1. Central staff functions: overall project direction and coordination plus those substantive functions which can be handled most economically on a centralized basis.
 2. Overseas data collection and geographic area analyses--four segments, one for each of the four A. I. D. Regions.
 3. World-wide analyses: two segments as outlined in Article V-D-1-C of the prime contract Operational Plan.
 4. Literature search, i. e., selective review of results from previous and on-going research in related fields.
- D. The Subcontractor shall be specifically responsible for providing the work and services necessary to performing the "Central Staff Functions" set forth in subsection I-C-1 above, subject to the budgetary limitations of Annex 1.
 1. Those substantive functions which can be handled most economically on a centralized basis include, but are not necessarily limited to, the making of appropriate arrangements with universities which have or have had A. I. D. contracts of interest to this project to supply such relevant information and data as may be practicably available from their respective project files. Said arrangements

may include reimbursing cooperating universities for the direct costs of supplying the needed information and data or direct payment of the costs of necessary personnel services and materials required, provided that no such financial arrangements shall be inconsistent with the relevant provisions of the prime contract. It is mutually understood and agreed that an agreement to reimburse a university for the direct costs of supplying data from its project files is not to be construed as a subcontract within the meaning of Article VIII, Appendix A of the prime contract.

2. The project Director shall decide which additional necessary functions can be performed most economically on a centralized basis provided that no such action by the Project Director shall be inconsistent with the explicit provisions of any other subcontract concerning the performance of work on this project.

E. Provision of the work and services required by each of the subsections I-C-2 through 8 above shall be arranged through a separate subcontract between the Contractor and a qualified university or combination of universities.

Each such subcontractor shall carry out its work on this project under the policy guidance and direction of the Project Director and shall be directly responsible to said Project Director for ensuring that such work is conducted in a manner consistent with the overall operational plan so as to form an integral part of a closely coordinated total study.

F. The Project Director shall locate and enlist the cooperation of qualified universities for carrying out different of the subdivisions of the study set forth in subsections I-C-2 through 8 above. Upon written request by the Project Director, the Contractor agrees to undertake to negotiate a suitable subcontract with each such designated university.

In his preliminary discussions with potential participating universities, the Project Director shall make no commitments which are inconsistent with the relevant provisions of the prime contract.

G. In carrying out its work, the Subcontractor shall avail itself of the advice and counsel of the Project Advisory Committee established by CIC for the purpose of providing technical guidance to this undertaking and that of such other knowledgeable persons as the Subcontractor deems useful.

H. The Contractor agrees to make the necessary arrangements for such meetings of the Project Advisory Committee as may be called by the Chairman of said Committee and to bear all necessary expenses incidental thereto, subject to the budgetary limitations set forth in Line Item VI, Appendix C of the prime contract.

WORLD - WIDE ANALYSIS II

I. Scope of Services

Under the policy direction of the Project Director and in conformance with the overall project study plan and time schedule, _____ University has primary responsibility for detailed planning and conduct of the analyses essential to efficient achievement of Objectives C and D as set forth in Section IV of the Operational Plan for this research-- i. e. , "Factors Influencing the Effectiveness of the University-Contract Project Device for Conveying Technical Assistance" and "Effect on U. S. Institutions of Participating in International Rural Development Assistance. " These analyses are to be planned and conducted as integral parts of the overall study. All aspects of the work on them are to be closely coordinated with that of the several other universities engaged on different parts of this research project.

More specifically, _____ University is responsible for:

- A. Leadership in framing the detailed research design and implementation schedules for Analysis II and such periodic revisions as experience reveals to be advantageous.

This part of the research design will be developed jointly with that for Analysis I, for which _____ University has leadership responsibility. The four universities responsible for collecting the required overseas data have a partnership interest and role in preparing the study plans for all of the research to be conducted under this project. Nonetheless, primary responsibility for determining the content of Analysis II and the data required by this phase of the study rests specifically with _____ University.

- B. Collecting certain of the U. S. -source data required by the study.

Considerable data will need to be collected from six main U. S. sources: (1) faculty members, et al, of universities participating in international technical assistance programs; (2) contract-participants in the U. S. , particularly for information regarding their home institutions; (3) A. I. D. and Foundations' staff members; (4) contract-university project files; (5) on-going related research activities; and (6) literature bearing on the evolution of the university-contract program in agriculture and individuals especially knowledgeable about this evolution. Present plans are for those universities carrying out the two world-wide analyses to also be largely responsible for collecting the data needed from sources (1) - (3).

Precisely how this work is to be divided so as to minimize duplication will have to be worked out jointly by the concerned universities and the Project Director. _____ University, however, should anticipate the need for conducting the interviews with U. S. university faculty members, students, et al, and part of the necessary work with A. I. D. /Washington and Foundations which have overseas rural development projects.

- C. Providing a qualified senior study leader at _____ University to give continuous guidance and direction to Analysis II. The University also will provide such additional professional, staff assistant and secretarial personnel as timely and effective conduct of Analysis II requires.

It is also expected that the University will arrange for adequate participation in the study by faculty members from several different fields to ensure broad interdisciplinary consideration of the analyses.

- D. Recommending to the Project Director advantageous modifications in the research design, implementation schedules, data sources, or collection methods to incorporate promising new lines of inquiry or otherwise take advantage of experience with the project.
- E. Keeping the Project Director and the several other universities engaged on this project currently informed of tentative conclusions from Analysis II. Particularly important is that the overseas researchers have earliest feasible access to any findings from the analyses which bear upon the further collection of overseas data. Only through the prompt interchange of data and analysis results will it be possible to cover the many aspects of this study without collecting an excessively burdensome amount of data.
- F. Maintaining effective liaison with the study leaders at the other participating universities--particularly the one carrying out Analysis I--and with the Central Project Staff.
- G. Preparing semi-annual activity reports and annual program reports to be incorporated in the contractor's corresponding reports to A. I. D.
- H. Preparing a final report on Analysis II.

II. Time Schedule

- A. Indications are that the Phase II prime contract will be signed the latter part of June. As soon as is feasible thereafter, a 2-3 day seminar will be held to lay preliminary plans for carrying out the research program. Those substantially concerned with this project at each of the universities responsible for segments of the study will be expected to take part.
- B. Between mid-July and mid-October the Project Director and Associate Director expect to visit several countries in each of the four Regions. These visits are aimed toward obtaining A. I. D. Mission and host country suggestions on study contents and methods, explore broadly the prospective availability of useful data and make tentative arrangements for headquartering the overseas researchers at appropriate Missions. If possible, the overseas researcher to be stationed in a particular Region will accompany the Central Staff member visiting that Region. Each regional trip will require 2-3 weeks.
- C. Following completion of the country visits--i. e. , around mid-October--a 2-4 week seminar is planned to complete the detailed research design and implementation schedules. Again it is expected that all who are to be substantially engaged in the study will participate. A particular effort will be made to have the four researchers who are to be posted abroad participate throughout. Success of this research effort depends heavily upon the quality of the data obtained by these four men. It is essential, therefore, that they be thoroughly familiar with all the whys and wherefores of the research design before taking up their assignments abroad. In addition, the four concerned universities have a special interest in the plans for the geographic area analyses which also will be considered at this seminar.
- D. Present plans are for all four overseas researchers to arrive at their posts during January, 1966.

The entire study will move forward as an integrated whole with the overseas data collection and world-wide analyses proceeding concurrently. With all the overseas researchers in position not later than February 15, 1965, the flow of data from the four Regions can proceed in an effectively coordinated manner. As they will need several weeks at the outset to become generally familiar with the several projects to be studied, a substantial flow of overseas data cannot be expected much before May or June of 1966.

Each of the overseas researchers will be responsible for collecting all of the data needed from his Region for all aspects of the study in accordance with the mutually agreed implementation plans and time schedules. As they are collected, the data will be forwarded promptly to the Project Director who will make appropriate distribution to other participating universities.

- E. As soon following initiation of Phase II as is feasible, the Project Director will make arrangements with contract-universities having projects of interest to this study, to supply relevant data from their project files. Hopefully, most of these materials will be available for analysis by the end of 1965.
- F. At appropriate intervals, the four overseas researchers and the Study Leaders from the several universities engaged on the study will be brought together in the United States for 2-week seminars. Those working in the United States will be brought together at more frequent intervals.

III. Qualifications Expected of Personnel

A. Study Leader

Demonstrated proficiency in planning and directing research relevant to the field of this study and ability to work effectively in a "team research" situation are of prime importance to successful leadership of Analysis II. In addition, it is essential that the study leader for this phase of the work have broad first-hand knowledge of the purposes and methods of university-contract assistance to developing foreign agricultural education and research institutions, and of the Land-Grant College system and its roles in higher education and rural development in the United States.

Identifying relevant questions and evolving practicable methods for getting answers to them is only part of the task of Analysis II. Distinguishing the important from the merely relevant is another. The real premium in this phase of the research, however, is upon drawing valid inferences about the influence of different factors upon the effectiveness of the university-contract method of providing rural development assistance, on the one hand, and upon the U. S. institutions' capabilities for meeting their domestic and international responsibilities on the other. Those leading this work need to have the combination of intellectual curiosity and tenacity, professional ability and technical assistance experience which will produce these insights and inferences out of the complex web of popular beliefs and diverse circumstances.

Given these attributes, the particular discipline from which the Study Leader for Analysis II comes is secondary--provided, of course, that his interests and experience are agriculturally oriented. Responsible experience in Land-Grant University administration and/or research in this field would be particularly helpful. The same is true of experience in home-campus administration of university-contract rural development projects. Overseas experience would be exceedingly helpful.

B. Short-Term Specialists

Access will be needed at different times to specialists in several different fields. The segmented approach being taken to this study is designed primarily to facilitate broad interdisciplinary consideration of factors affecting the success of university-contract assistance to developing foreign institutions. It is expected that _____ University will bring a wide range of competence to bear upon the planning and conduct of Analysis II through occasional or continuing part-time involvement of well-qualified specialists from different relevant disciplines--e. g. , education, law, public administration, economic development, anthropology, history, etc.

Whoever is selected to be Study Leader, he is likely to be better equipped to deal personally with the substance of one than the other of the two main branches of Analysis II. In this event, it is particularly important that the required complementary expertise be provided through short-term specialists.

C. Staff Assistants

Projections have been based on the assumption that staff assistants should have relevant training at approximately the masters degree level. Graduate students interested in research in this field would be highly acceptable, assuming their thesis interests can be accommodated satisfactorily to the needs of this project. Provision for some staff qualified below the masters degree level can be considered if advantageous to the project.

LITERATURE SEARCH

I. Scope of Services

Under the policy direction of the Project Director and in conformance with the overall project study plan and time schedule, _____ University has primary responsibility for making an historical analysis of the evolution of the A.I.D. university-contract program as it related to rural development with a primary view toward identifying the principles which have guided and presently are guiding policy formulation and implementation in this field.

More specifically, _____ University is responsible for:

- A. Compiling a bibliography of project reference materials derived from literature on previous and on-going research in related fields.

Both "research" and "related fields" are intended to be broadly interpreted to bring within the purview of this phase of the study any published literature or unpublished reports, papers, etc., which have a significant contribution to make to developing an historical perspective on U.S. university assistance in developing foreign agricultural education and research institutions, particularly that financed by A.I.D. and predecessor agencies. Preliminary indications are that four major types of sources deserve special attention:

1. On-going research projects such as the AID-Syracuse project on "Administration of Overseas Agricultural Programs"; the Inter-University Program in Institution Building being carried out jointly by Indiana, Michigan State, Pittsburgh and Syracuse universities; The Education and World Affairs studies on university organization for participation in technical assistance abroad; etc.
2. Previous research in closely related fields such as the studies by Michigan State University Institute of Research on Overseas Programs; the series of studies on technical cooperation in Latin America sponsored by the National Planning Association and the Ford Foundation; the unpublished results of the evaluation studies carried out by the AID Technical Assistance Study Group; etc.
3. Journal articles, research papers, conference reports, et al, bearing significantly upon the subject of the present research from sources such as: The International Development Review, Journal of Farm Economics, Economic Review, MFT Center for International Studies, Harvard

University Development Assistance Services, The Comparative education Center at the University of Chicago, Conference on International Rural Development, Campus Coordinators' Conferences, etc.

4. Books dealing with the theory of economic development and/or the role of agriculture in overall economic development such as Rostow's "The Stages of Economic Growth", John P. Lewis' "Quiet Crisis in India", T. W. Schultz's "Transforming Traditional Agriculture", etc.

- B. Interviewing individuals with special knowledge of the historical development of AID university contract programs.

For in the 1952-61 period, individuals like D.A. Fitzgerald, Stanley Andrews and E.N. Holmgren should prove especially helpful with respect to aid-agency rural development policies and practices. The same is true of persons such as President John Hannah, Chancellor Clifford Hardin and Dr. Roland Renne who played central roles in shaping policies during this period with respect to participation by Land-Grant institutions in international rural development.

The four A.I.D. Regional Bureau Institutional Development (or Technical Support) Office Directors are valuable sources of information regarding current AID rural development policy as are Erven Long and Frank Parker of the Office for Technical Cooperation. From the standpoint of the universities' current interests and attitudes, individuals like Chancellor John Caldwell and President O. Meredith Wilson--respectively Chairman of the Rural Development Subcommittee and International Affairs Committee of the National Association of State Universities and Land-Grant Colleges--and Elton Johnson, Director of the Association's International Rural Development Office, have particular contributions to make to the substance of this research.

- C. Preparing a report on the analysis of the preceding materials giving emphasis to the principles which have guided AID-university cooperation in assisting the development of foreign agricultural education and research institutions.

This report should both trace the evolution of relevant policies and practices and identify, insofar as is feasible, the reasons for significant changes over time and their implications to AID, aid-receiving countries and institutions, and the U.S. university community. Every effort must be made to give this report, and the investigations upon which it is based, a maximum of analytical content.

- D. Participating in framing the detailed research design and implementation schedules for all aspects of the study and such period revisions as project experience reveals to be advantageous during the period in which this "Literature Search" segment of the study is in progress.

_____ University will have primary responsibility for designating the types of information needed for its work from common use overseas and Stateside sources and for fitting them into the overall research design and time schedules.

II. Contributions From Other Sources

- A. The Central Project Staff intends to maintain close working liaison with the several major on-going research activities which are closely related to the CIC-AID Rural Development Research Project. _____ University may expect to be provided such published and unpublished reports emanating from these several studies as can be obtained from these sources.
- B. The universities responsible for Analysis I and Analysis II, respectively, will be interviewing a number of individuals in AID/Washington, Foundation, and U.S. universities. Information derived from these interviews which bears on the Literature Search segment of the study will be provided to _____ University. The same is true with respect to relevant information obtained by the four overseas researchers in the course of their investigations.

_____ University will be expected to plan its interview work jointly with that of the universities carrying out Analyses I and II in order to minimize duplication of contacts. Whichever unit has the primary interest in a particular interview source generally will be expected to collect all of the information needed from that source. Consequently, in its interview work, _____ University generally will be collecting some information required by other segments of the study. Conversely, _____ University will be receiving primary information and data from other sources which will greatly reduce the amount of interview work required of it.

- C. Information and data needed from overseas sources will be supplied by the four overseas researchers in accordance with the overall research design. No foreign travel will be required of the _____ University staff carrying Literature Search.

III. Overall Time Schedule

- A. Indications are that the Phase II prime contract will be signed the latter part of June. As soon as is feasible thereafter, a 2-3 day seminar will be held to lay preliminary plans for carrying out the research program. Those substantially concerned with this project at each of the universities responsible for segments of the study will be expected to take part.
- B. Between mid-July and mid-October the Project Director and Associate Director expect to visit several countries in

each of the four Regions. These visits are aimed toward obtaining A.I.D. Mission and host country suggestions on study contents and methods, explore broadly the prospective availability of useful data and make tentative arrangements for headquartering the overseas researchers at appropriate Missions. If possible, the overseas researcher to be stationed in a particular Region will accompany the Central Staff member visiting that Region. Each regional trip will require 2-3 weeks.

- C. Following completion of the country visits--i.e., around mid-October---a 2-4 week seminar is planned to complete the detailed research design and implementation schedules. Again it is expected that all who are to be substantially engaged in the study will participate. A particular effort will be made to have the four researchers who are to be posted abroad participate throughout. Success of this research effort depends heavily upon the quality of the data obtained by these four men. It is essential therefore, that they be thoroughly familiar with all the ways and wherefores of the research design before taking up their assignments abroad. In addition, the four concerned universities have a special interest in the plans for the geographic area analyses which also will be considered at this seminar.
- D. Present plans are for all four overseas researchers to arrive at their posts during January, 1966.

The entire study will move forward as an integrated whole with the overseas collection and world-wide analyses proceeding concurrently. With all the overseas researchers in position not later than February 15, 1966 the flow of data from the four Regions can proceed in an effectively coordinated manner. As they will need several weeks at the outset to become generally familiar with the several projects to be studied, a substantial flow of overseas data cannot be expected much before May or June of 1966.

Each of the overseas researchers will be responsible for collecting all of the data needed from his Region for all aspects of the study in accordance with the mutually agreed implementation plans and time schedules. As they are collected the data will be forwarded promptly to the Project Director who will make appropriate distribution to other participating universities.

- E. As soon following initiation of Phase II as is feasible, the Project Director will make arrangements with contract-universities having projects of interest to this study, to supply relevant data from their project files. Hopefully, most of these materials will be available for analysis by the end of 1965.
- F. At appropriate intervals, the four overseas researchers and the study leaders from the several universities engaged on

the study will be brought together in the United States for 2-week seminars. Those working in the United States will be brought together at more frequent intervals.

IV. Qualifications Expected of Personnel Carrying Out The Literature Search

A. Study Leader

Leadership of this phase of the study deserves - and requires - the talents of a top-flight social scientist endowed with a keen interest in the evolution of policies and programs for assisting the development of foreign agricultural education and research institutions. This individual also must have a broad understanding of the U.S. Land-Grant College system, its historical development, and the role it has played in American agriculture.

Experience of working and living in underdeveloped countries would be helpful but is not essential. Particularly helpful would be research or/and teaching experience in an agricultural college in a less developed country or that of serving as an advisor to such an institution as a member of a university contract team.

B. Staff Assistants

Projections have been based on the assumption of staff assistants with relevant training at approximately the masters degree level. Graduate students interested in the type of research contemplated by this phase of the study would be highly acceptable, provided their thesis interests can be accommodated satisfactorily to the needs of this project.

V. Estimated Staffing Requirements

The background materials assembled and evaluated in the "Literature Search" phase will be exceedingly valuable to all other aspects of the study. It is essential, therefore, that it proceed as rapidly as possible. It is further essential that the sequence of work on this phase give priority attention to the needs of others engaged on this project for the types of reference materials and analytical insights which the Literature Search can produce.

In preparing the preliminary budget for the overall project, the Literature Search staffing requirements were projected as follows:

Senior analyst -	6 man months
Staff assistants -	12 " "
Secretarial assistance -	6 " "

These projections also assume this phase of the study being completed in about one year from the date intensive work on the project is begun, i.e., by September 1966. Sufficient personnel

resources should be assigned to this activity to enable its completion on about this schedule.

Once the Literature Search proper is completed, no continuing requirement upon _____ University staff presently is contemplated. It is hoped, however, that the senior analyst will be available for consultation as needs arise. These ad hoc services probably can be handled most satisfactorily under a "when actually employed" consultant arrangement. They are not included in the above staffing requirement estimates.

Preliminary Draft
for discussion purposes

OVERSEAS DATA COLLECTION AND GEOGRAPHIC AREA ANALYSIS

I. Scope of Services

Under the policy direction of the Project Director and in conformance with the overall project study plan and time schedule, _____ University has primary responsibility for (a) collecting all of the practicably available information and data needed from the _____ A. I. D. Region for efficient achievement of the study objectives and (b) preparing a pertinent analysis and report of findings on the _____ Region with particular regard to the adaptations which need be made in conclusions drawn from the world-wide analyses in applying them to that Region.

More specifically, _____ University is responsible for:

- A. Participating in framing the detailed research design and implementation schedules for all aspects of the study and such periodic revisions as project experience reveals to be advantageous.
- B. Providing a qualified senior research officer to be stationed at an appropriate location in the _____ Region whose duties will include:
 1. Evaluating data sources and selecting those most appropriate to the respective specified needs of the study.
 2. Recommending advantageous modifications in the research design and/or implementation schedules to incorporate promising new lines of inquiry, better adapt implementation schedules or procedures to local conditions, etc.
 3. Collecting data in accordance with the agreed implementation plans and time schedules, forwarding these data promptly to the Project Director, and making such re-arrangements in schedule content and/or time sequence as the Project Director may require.

The Project Director will arrange for the continuous flow of findings from the world-wide analyses to the overseas researchers and their parent universities and for such exchange of data among the overseas researchers as proves useful.

4. Arranging for necessary office space and other logistical support services, with such assistance from the U. S. AID Mission where posted and/or the Central Project Staff as circumstances may require.
5. Employing such local interviewers, interpreters, secretarial and clerical assistance, etc., as project needs require subject to budgetary limitations and relevant provisions of the contract.

- C. Providing, from its own staff if feasible, such short-term personnel as the University and Project Director agree are needed for collecting required data from the _____ Region.

Supplemental short-term assistance requirements will be jointly considered by the University and Project Director after the field researcher has been at his post for about four months. Budgetary provisions for any short-term assistance to be supplied and arrangements for supplying it will be made at that time.

- D. Maintaining effective home-campus liaison with the Central Project Staff and the Study Leaders at the other participating universities and providing such home-campus support to the University's overseas activities on this project as efficient conduct of the study require.
- E. Providing the qualified staff and services required for preparing the area analysis and report indicated in (b) above.

It is expected that this work will be carried out primarily by the researcher posted overseas after he has completed his overseas assignment. It is also expected that he will contribute substantially to completing the world-wide analyses during this period.

II. Time Schedule

- A. Indications are that the Phase II prime contract will be signed the latter part of June. As soon as is feasible thereafter, a 2-3 day seminar will be held to lay preliminary plans for carrying out the research program. Those substantially concerned with this project at each of the eight universities with responsibility for a segment of the study will be expected to take part. It is especially important that the four researchers to be stationed overseas and the home-campus liaison representatives from the four concerned universities attend this seminar.
- B. Between mid-July and mid-October the Project Director and Associate Director expect to visit several countries in each of the four Regions. These visits are aimed primarily toward obtaining A. I. D. Mission and host country suggestions on the study contracts and methods, explore broadly the prospective availability of useful data and make tentative arrangements for headquartering the overseas researchers at appropriate Missions. It would be highly advantageous for the overseas researcher being stationed in a particular Region to accompany the Central Staff member visiting that Region. Each regional trip will require 2-3 weeks.

- C. Following completion of the country visits--i. e. , around mid-October-- a 2-4 week seminar is planned to complete the detailed research design and implementation schedules. Again it is highly desirable that the four researchers who are to be posted abroad participate throughout. Success of this research effort depends heavily upon the quality of the data obtained by these four men. It is essential, therefore, that they be thoroughly familiar with all the whys and wherefores of the study plan before taking up their assignments abroad. In addition, the four concerned universities have a special interest in the plans for the geographic area analyses which also will be considered at this seminar.
- D. Present plans are for all four overseas researchers to arrive at their posts during January, 1966.

The entire study will move forward as an integrated whole with the overseas data collection and world-wide analyses proceeding concurrently. It is highly important, therefore, that all four overseas researchers be in position not later than February 15, 1966, so that the flow of data from the four Regions may proceed in an effectively coordinated manner.

- E. At appropriate intervals--probably twice during their overseas-assignment period--all persons engaged on the study will be brought together in the United States for two-week seminars.
- F. Intensive work on the area analyses and reports should begin as soon after completion of the overseas data collection phase as progress of the world-wide analyses permit. Present indications are that this will be around August, 1967.

III. Qualifications Expected of Personnel

A. Research Posted Overseas

Responsible research, advisory and/or teaching experience in under-developed countries and demonstrated ability to work easily and effectively with foreign nationals are of the essence. Additionally, the individual undertaking this assignment should be genuinely interested in the subject of this research and the purpose it seeks to further; be intellectually curious and adept at distinguishing between the important and the incidental; and have a solid grounding in research methods applicable to this project. He also should have a broad understanding of the U. S. Land-Grant system and its role in rural development in the United States.

Given these personal and professional attributes, the individual could come from any of several disciplines. An agriculturally oriented social science background with training and experience in developmental economics is to be preferred. Suitable candidates might well be found, however, in administration, education, anthropology, sociology, or in any of several related fields.

This assignment can provide a challenging and richly rewarding educational experience to the person undertaking it. These factors deserve heavy weight in selecting the individual to fill this position. Unless he is interested in making this a learning experience and an opportunity for professional development chances are that a person will contribute much less than he should to the success of this research.

B. Home-Campus Liaison

The individual selected for this assignment should be qualified by interest and experience to make a substantive contribution to the objectives of this research. Particularly useful would be experience in the home-campus aspects of administering A. I. D. university-contract projects.

C. Short-Term Overseas Personnel

Until the actual needs, if any, for supplemental assistance are identified through field experience, the qualifications of such individuals as may be required can only be speculated upon. The likeliest types of needs are for specialists to deal with particular technical problems.

IV. Operational Considerations

Expectations are that the researchers posted overseas will be able to take their families with them. It is also expected that they will be accorded the same privileges with respect to shipment of automobile and household effects, quarters and other post allowances, etc., as similarly situated university personnel assigned abroad under A. I. D. -financed university contracts. While these expectations are consistent with established A. I. D. policies and practices, no one should make definite plans with respect to such matters until the prime contract is signed and its provisions definitely known.

In making their personal plans, the individuals to be assigned overseas should take into account the fact that they will probably be returned to the United States twice during the period to take part in project seminars. They also necessarily will be away from their headquarters location a considerable part of the time.

V. Estimated Staff Requirements -- Africa Region

A. Overseas Researcher

Present plans are for this person to be headquartered at an appropriate location in the Africa Region (probably Kenya or Tanganyika) for about 18 months beginning not later than February 15, 1966. He also should be available during the July - October, 1965, period to take part in the two seminars and the Africa Region trip discussed in Section II.

Presumably the overseas researcher will have primary responsibility for the geographic area analysis and report for the Africa Region. The world-wide analyses should be sufficiently far advanced to permit intensive work on this analysis immediately following completion of the overseas data collection phase. This will enable the person assigned to the Africa Region to be continuously employed full time on this project for approximately two years. While preparing the geographic area analysis and report--and making such contribution to the world-wide analyses as proves useful--may not require six months, it appears wise to plan at this stage for this individual to be available to the project full time for two years.

B. Home-Campus Liaison

While these activities will extend over the period from the first seminar through completion of the Africa Region Report, they presumably would be performed by the overseas researcher while he is engaged full time on the project following completion of his assignment abroad. Requirements during the balance of the period should not exceed one-sixth of a professional man's time.

Home-campus secretarial requirements should be similarly modest until intensive work is begun on the area report. Staffing provisions for that period should anticipate preparation of reproducible mats and 300 copies of the final report.

C. Supplemental Assistance for Overseas Data Collection

Requirements for short-term U. S. assistance will be decided in mid-1966 --i. e., after the overseas researcher has acquired sufficient field experience to know what supplemental assistance, if any, is needed.

Firm decisions with respect to local interviewers, interpreters, secretarial help, etc., likewise must await better knowledge of needs and availability of qualified local personnel. Some provision needs to be made in the first year budget for such assistance, however, to ensure the overseas researcher's making best use of his time in the early stages of his work abroad. As a general proposition, fullest feasible use should be made of qualified local personnel to economize the time of U. S. staff.

V. Estimated Staff Requirements -- Far East Region

A. Overseas Researcher

Present plans are for this person to be headquartered at an appropriate location in the A. I. D. Far East Region (probably the Philippines or Thailand) for about 12 months beginning not later than February 15, 1966. He also should be available during the July-October, 1966, period to take part in the two seminars and the Far East Region trip discussed in Section II.

Presumably the overseas researcher will have primary responsibility for the geographic area analysis and report for the Far East Region. Indications are that this--and making such contribution to the world-wide analyses as proves useful--will require his full time for around six months. Unfortunately, the world-wide analyses are not likely to have advanced far enough to permit effective work on the geographic area analyses and reports earlier than August, 1967. There will, therefore, be about a six-month gap between completion of the overseas data collection phase and the time the overseas researcher is again needed full time for the area analysis and report.

It is hoped that _____ University will find it advantageous to employ this individual on other work during this interim period. If, however, inability to afford a particularly well-qualified person consecutive employment on this project for the full two years should make him unavailable for the overseas assignment, practicable alternative arrangements will need to be considered by the Project Director and the University.

B. Home-Campus Liaison

While these activities will extend over the period from the first seminar through completion of the Far East Region Report, they presumably would be performed by the overseas researcher while he is engaged full time on the project for preparing the area analysis and report. Requirements during the balance of the period should not exceed one-sixth of a professional man's time.

Home-campus secretarial requirements should be similarly modest until intensive work is begun on the area report. Staffing provisions for that period should anticipate preparation of reproducible mats and 300 copies of the final report.

C. Supplemental Assistance for Overseas-Data Collection

Requirements for short-term U. S. assistance will be decided in mid-1966 --i. e. , after the overseas researcher has acquired sufficient field experience to know what supplemental assistance, if any, is needed.

Firm decisions with respect to local interviewers, interpreters, secretarial help, etc. , likewise must await better knowledge of needs and availability of qualified local personnel. Some provision needs to be made in the first year budget for such assistance, however, to ensure the overseas researcher's making best use of his time in the early stages of his work abroad. As a general proposition, fullest feasible use should be made of qualified local personnel to economize the time of U. S. staff.

V. Estimated Staff Requirements --- NESA Region

A. Overseas Researcher

Present plans are for this person to be headquartered at an appropriate location in the NESA Region (probably India) for about 18 months beginning not later than February 15, 1966. He also should be available during the July-October, 1965, period to take part in the two seminars and the NESA Region trip discussed in Section II.

Presumably the overseas researcher will have primary responsibility for the geographic area analysis and report for the NESA Region. The world-wide analyses should be sufficiently far advanced to permit intensive work on this analysis immediately following completion of the overseas data collection phase. This will enable the person assigned to the NESA Region to be continuously employed full time on this project for approximately two years. While preparing the geographic area analysis and report--and making such contribution to the world-wide analyses as proves useful--may not require six months, it appears wise to plan at this stage for this individual to be available to the project full time for two years.

B. Home-Campus Liaison

While these activities will extend over the period from the first seminar through completion of the NESA Region Report, they presumably would be performed by the overseas researcher while he is engaged full time on the project following completion of his assignment abroad. Requirements during the balance of the period should not exceed one-sixth of a professional man's time.

Home-campus secretarial requirements should be similarly modest until intensive work is begun on the area report. Staffing provisions for that period should anticipate preparation of reproducible mats and 300 copies of the final report.

C. Supplemental Assistance for Overseas Data Collection

Requirements for short-term U. S. assistance will be decided in mid-1965 --i. e., after the overseas researcher has acquired sufficient field experience to know what supplemental assistance, if any, is needed.

Firm decisions with respect to local interviewers, interpreters, secretarial help, etc., likewise must await better knowledge of needs and availability of qualified local personnel. Some provision needs to be made in the first year budget for such assistance, however, to ensure the overseas researcher's making best use of his time in the early stages of his work abroad. As a general proposition, fullest feasible use should be made of qualified local personnel to economize the time of U. S. staff.

PROJECT DIRECTOR: Baldwin, Ira Lawrence

Born: August 20, 1895 (Oxford, Indiana)

Education

B. S. degree	Purdue University	1919
M. S. degree	Purdue University	1921
Ph. D. degree	University of Wisconsin	1926
D. Sc. (hon.)	Purdue University	1945

Employment

1919-26	Instr. & Asst. Prof. Bacteriology	Purdue University
1927-	Asst. Prof. Bact. to Prof. Bact.	University of Wisconsin
1932-41	Asst. Dean of College of Agriculture	" "
1941-44	Chairman, Dept. of Bacteriology	" "
1944-45	Dean of Graduate School	" "
1945-48	Dean and Director Col. of Agr., Agr. Exper. Sta. and Agr. Ext. Services.	" "
1948-59	Vice President of Academic Affairs	" "
1959-	Special Assistant to President	" "

Scientific and Professional Society Memberships

Ag. Hist. Soc., AAAS, Am. Forestry Assoc., Am. Inst. Biol. Sci., Am. Phytopath. Soc., Am. Soc. Agron., Am. Soc. Plant Physiol., Indiana Acad. Sci., Nat. Ed. Assoc., Royal Soc. Arts, Soc. Exper. Biol. & Med., Soc. Internat'l Dev., Soil Conserv. Soc. of Am., Wis. Acad. of Sci., Arts & Letters, Wis. Ed. Assoc.

Offices and Honors in Professional and Scientific Societies

American Society for Microbiology (ASM)

Secretary-Treasurer, 1935-42

Vice President, 1943

President, 1944

Honorary membership, December 1963

American Academy of Microbiology (AAM)

Member Board of Governors, 1956-61 and 1962-

Chairman Board of Governors, 1957-60

Service in Regional and National Associations of Educational Institutions

North Central Association of Colleges and Secondary Schools (NCA)

1950-65 -- successively

Member, Commission on Colleges and Universities

Chairman, Commission on Colleges and Universities

Member, Board of Directors of NCA Colleges and Secondary Schools

Honorary Member

National Association of State Universities and Land-Grant Colleges

Established and served as Director of the International Rural Development Office, 1963-64.

Project Director / 2

Federal and State Government Experience

Federal

Military service -- W. W. I

Technical Director of Biological Program -- W. W. II

1946-53 Chairman, BW Committee of the Joint Research & Development Board
of the Departments of Army and Navy (later The Research & Develop-
ment Board of the Department of Defense)

1953- Member, Chemical Corps Advisory Council

1958- Chairman, Chemical Corps Advisory Council (now Edgewood Arsenal
CBR Advisory Council)

1958-59 Member, BW Panel of the President's Science Advisory Committee

1959-65 Member, Army Scientific Advisory Panel

National Academy of Sciences - National Research Council

Chairman, Committee on Pest Control and Wildlife Relationships, 1960-63

National Science Foundation

Member, Panel on Regulatory Biology, 1963-

Wisconsin

Member, Natural Resources of State Agencies, 1951-

Member, Board of Directors of State Crime Laboratory, 1949-

Senior University of Wisconsin representative to the staff of the State Coordinating
Committee for Higher Education, 1955-63

Foreign Experience

Eight trips outside the United States combining business and pleasure since 1948.

Have visited most countries of Europe, many Asian countries, and a few countries
of Latin America and Africa.

Social, Professional, Honorary Clubs and Fraternities

About a dozen, including Phi Beta Kappa, Sigma Xi, Madison Club and the Cosmos Club.

Publications

Numerous publications in the field of microbiology

Innumerable research reports covering matters of educational interest to the University
of Wisconsin and the State of Wisconsin.

ASSOCIATE PROJECT DIRECTOR: Jones, Ronald Wade

Born: September 2, 1916 (Agency, Missouri)

Education

University of Missouri: B. S. in Agriculture 1937; M. A. 1941.
Majored in agricultural economics and statistics, both undergraduate and graduate.

Several evening courses in agricultural policy between 1945 and 1947 at USDA Graduate School.

University of Chicago, 1947-48. Major in agricultural economics; minors in economic theory and political science-public administration. Completed all requirements, except dissertation, for Ph. D. degree.

Experience

- 1934-40 Department of Agricultural Economics, University of Missouri
Part-time research assistant while pursuing undergraduate and graduate study except for 10 months during 1938-39 when served as Assistant County Supervisor for Farm Security Administration.
- 1941-50 Bureau of Agricultural Economics, USDA
Planning, directing and conducting agricultural economic research with particular reference to low-income farms as a resource-allocation problem.
- 1950-52 Mutual Security Administration (and predecessor ECA)
Chief, Agricultural Participant Training Branch
- 1952-55 Ford Foundation, New Delhi, India
Consultant on Program Evaluation to Government of India Planning Commission; Similar short-term assignments with Ministry of Economic Affairs, Government of Pakistan, and Ministry of Education, Government of Burma.
- 1955-64 Agency for International Development (and predecessor Agencies)
Successively, Special Assistant to Director, Office of Food and Agriculture; Chief, Career Development Division, Office of Personnel; Assistant Director, USOM/Turkey; Director, Office of Afghanistan and Pakistan Affairs; Deputy Director, US AID/Afghanistan; Special Assistant for Program Evaluation to Assistant Administrator for Near East and South Asia.

Professional Organizations and Listings

American Farm Economic Association
American Economic Association
Society for International Development
Who's Who In America
American Men of Science (Social Sciences)

Publications

- "Typical Family Operated Farms, 1930-45" - USDA 1946 (Co-Author)
- "Production Costs as Criteria of Resource Allocation" Jour. of Farm Econ. , 1949
- "Sizes of Farms in the United States", USDA, 1950 (Co-Author)
- "Gram Sevak (Village Level Workers) Trainees", Indian Coun. for Agr. Res. , 1953
- "Instructors at Gram Sevak Training Centers", Indian Coun. for Agr. Res. , 1954
- "An Evaluation of Burma Mass Education Program" prepared for Ministry of Education,
Government of Burma.
- "Suggestions on Evaluation of Pakistan Village Agricultural and Industrial Development
Program" prepared for the Min. Econ. Affairs, Government of Pakistan.
- "Personnel Management for Technical Cooperation" Annals of the Am. Academy of
Political and Social Science, 1959.

CONSULTANT: (William) Noble Clark

Born: September 18, 1891 (Lake Preston, South Dakota)
Married: Margaret Hunt, September 4, 1918
Children: Janet A. (Mrs. William Mayer), William H. , Susan E. (Mrs. H. H. Miles)

Education

B. S. degree	University of Wisconsin	1915
M. S. degree	University of Wisconsin	1930
Graduate student	University of Minnesota	1926
	Northwestern University	1927

Employment

1915-17 Instructor, Michigan State College
1917 Farm Manager, Cook County, Illinois
1918-22 Agricultural Advisor, Wisconsin Colonization Co., Sawyer County, Wis.
1922-27 Co. Agricultural Agent, Ewen, Michigan
1927- -- Administrator, Agricultural Experiment Station, University of Wis.
-- 1930-38 Assistant Director
-- since 1938 Regional Director
1934 Land Policy Section, USDA
1937-50 Member, State Soil Conservation Committee
1943-47 Chairman, Committee on Agricultural Policy created by Association
of State Universities and Land-Grant Colleges
1941-51 Member, State Annuity and Investment Board
1947 Chairman, Mission to Poland for Food and Agricultural Organization of UN
1948 Deputy Director Gen., Food and Agricultural Organization of UN
1950-51 Member, President's Commission on Migratory Labor
1956 Special Mission to Asia for U. S. Government on Distribution of Technical
Agricultural Publications
1962-65 Advisor to Carnegie sponsored study of American colleges of agriculture.

Memberships

Soil Conservation Society of America (honorary)
A. A. A. S.
American Farm Economy Association
Alpha Zeta
Presbyterian Church
University Club (Madison, Wis.)
Cosmos Club (Washington, D. C.)

Publications

"Higher Education for American Society", 1949 (Co-author)
"The Challenge of Our Times", 1953 (Co-author)

VITA

David Richard DERGE

Born : Kansas City, Missouri, 1928.

Education: A.B., University of Missouri, 1950
A.M., Northwestern University, 1951
M.A., University of Washington, 1951-52
Ph.D., Northwestern University, 1955
M.A., University of Michigan (Survey Research Center), SSRC Summer
Training Seminar in survey research techniques, 1958.

Professional Experience:

Teaching Associate, University of Washington, 1951-52
Teaching Assistant, Northwestern University, 1952-54
Instructor, University of Missouri, 1954-55; Northwestern University,
summer 1955.
Assistant Professor, Indiana University, 1956-60
Associate Professor, Indiana University, 1960-65.
Professor of Government, Indiana University, 1965-.

Research and Teaching Interests:

Courses taught at the University of Missouri: American Government,
municipal government and administration, local rural government;
undergraduate courses and graduate seminars in political thought.

Courses taught at Indiana University: American Government, legislative
process, political parties; graduate seminars in quantitative analysis
and field study, graduate seminars in legislative process, political
parties, American government and politics, and the teaching of political
science. Served 1962-date as Director of Introductory Courses in the
Department of Government, and 1960-61 as Graduate Advisor.

Other teaching activities: in 1964 was selected to produce Indiana Uni-
versity's pilot project in pre-recorded closed-circuit television, and
prepared videotapes of Introduction to American Government which will
be used over the next several semesters on the Bloomington and regional
campuses. Served as Academic Coordinator of five Peace Corps Training
Programs, 1962-65.

Present research activities: currently preparing book-length manuscript
entitled Political Leadership in Ireland, based upon data from 297 inter-
views and 1557 mail-out questionnaires covering major leadership groups.
Conducted field research in Sierra Leone, West Africa, in spring 1965, to
assess effectiveness of Peace Corps Training Programs.

Teaching Awards:

1964 Ulysses G. Weatherly Award for Distinguished Teaching, Indiana University
1963 SSM "Brown Doby" Teaching Award, Indiana University.

Academic Honors and Awards:

Phi Beta Kappa, Pi Sigma Alpha, Alpha Pi Zeta.
Research awards from Social Science Research Council, Eagleton-Citizenship
Clearing House, National Center for Education in Politics, Midwest University
Consortium for International Activities.

Publications:

"Metropolitan and Outstate Alignments in Illinois and Missouri Legislative Delegations," American Political Science Review, vol. LIII (December, 1958), pp. 1051-1055.

"The Lawyer as Decision-Maker," The Journal of Politics, vol. XIII (August 1959), pp. 408-433.

"On the Use of Roll-Call Analysis," American Political Science Review, vol. LIII (December, 1959), pp. 1097-1099.

(Items 1 and 3 are reprinted together in the Robbs-Marill Reprint Series in the Social Sciences)

"Urban-Rural Conflict: The Case in Illinois," in Wahlke, J.C. and Dulau, H. Legislative Behavior: A Reader in Theory and Research (Free Press: Glencoe, 1959), pp. 218-227.

"The Lawyer in the Indiana General Assembly," Midwest Journal of Political Science, vol. VI (February, 1962), pp. 19-34.

"Hoosier Republicans in Chicago," in Tillett, Paul (ed.) The National Conventions, 1960 (Ocean Press: Hobbs Ferry, N.Y., 1962) pp. 131-144.

"Behavioral Science and Political Science: An Enquiry Into the Recent Science-Anti-Science Battle," Proceedings of the Indiana Academy of Social Science, vol. VII (1962), pp. 93-102.

"The Context of Legislative Reform," a paper presented in testimony before the Joint Committee on the Organization of Congress, Congress of the United States, on June 9, 1965, to be published in the Hearings of that Committee.

Book Reviews

Epstein, L., Politics in Wisconsin, in Indiana Magazine of History, Spring 1959, p. 77.

Ferguson, L., et.al., Legislative Systems, in American Sociological Review, vol. 29 (Feb. 1964), pp. 127-28.

Hacker, A., Congressional Districting, in American Political Science Review, vol. 58 (Sep. 1964), pp. 701-703.

Intra-University Service:

I. U. Representative to Inter-University Consortium for Political Research (Survey Research Center, Ann Arbor, Michigan), 1962-date.

I.U. Representative to Executive Committee of Indiana Council for Education in Politics, 1959-date.

Elected to I.U. Faculty Council, 1965.

Served on following all-University committees: President's Advisory Committee on Humanities, Arts, Social Sciences, Law, and Education; Educational Television (Secretary), Research Computing Center, American Studies, and Executive Committee of Phi Beta Kappa.

Served on following Arts and Science College Committees: Curriculum, Policy (Secretary),

Military service:

Enlisted service, U. S. Army, 1946-48.
Presently Lieutenant Commander, U. S. Naval Reserve, Commanding Officer of
Naval Security Group Division 9-3.

Community service:

Elected to Bloomington (Ind) City Council for four-year term as
Councilman-at-Large, 1963. Majority Floor Leader, and Chairman of
Rules Committee.
Delegate to State Convention (1964), attended National Convention (1960),
served as Precinct Committeeman (1962-date).
1964 Award from Indiana Junior Chamber to "Outstanding Young Man of Indiana."
President of Behavioral Research Associates, an independent statewide
political polling agency.

Family Status:

Married, Elizabeth Anne Groono (Mayfield, Kentucky) in 1951. Two
children, David (age 11), and Dorothy (age 9). Home address:
2611 E. 5th St., Bloomington, Indiana.

BIOGRAPHICAL DATA

July, 1965

[REDACTED]

[REDACTED], [REDACTED], [REDACTED], [REDACTED]

[REDACTED], [REDACTED], [REDACTED], [REDACTED], [REDACTED]

M [REDACTED] [REDACTED]

[REDACTED], [REDACTED], [REDACTED], [REDACTED]

EDUCATION:

North Dakota Agricultural College, B.S., Agriculture, 1937
Montana State College, M.S., Agricultural Economics, 1938
University of Chicago, Ph.D., Economics, 1948

EMPLOYMENT:

Instructor to Assistant Professor, Montana State College, 1938-41
Farm Foundation Fellow, University of Chicago, 1941-42
USNR--Lieutenant, 1943-46
Assistant Professor to Professor, Montana State College, January 1946 to September 1949
Professor of Agricultural Economics, University of Connecticut, September 1949 to August 1957
Head, Department of Agricultural Economics, University of Illinois, September 1957-
Editor, Journal of Farm Economics, 1955-57
Member, Board of Directors, National Bureau of Economic Research, 1956-
Consultant, United States Bureau of the Census, 1956-1957

ORGANIZATIONS:

Phi Kappa Phi, Alpha Zeta, Alpha Phi Sigma, Gamma Sigma Delta, Alpha Gamma Rho,
American Farm Economic Society, American Economic Association, The American
Society of Farm Managers and Rural Appraisers.

LISTED IN:

American Men of Science, III, The Social and Behavioral Sciences; Directory of
American Scholars; Who's Who in America

PUBLICATIONS:

(See attached list)

PUBLICATIONS BY HAROLD G. HALCROW

1946-1963

1. Theses, Books, and Contributions to Books

- Halcrow, H. G. Economic Theory of Crop Insurance, Ph.D., Univ. of Chicago (1948).
- 338.1 Halcrow, H. G. Agricultural Policy of the United States, New York: H13a Prentice-Hall, Inc., 458 p. (1953).
- 338.1 Halcrow, H. G., ed. Contemporary Readings in Agricultural Economics, H13c New York: Prentice-Hall, Inc., 411 p. (1955).
- 630.973 Halcrow, H. G. "Farm Price and Income Instability," United States Am33u Agriculture, Perspectives and Prospects, the American Assembly, Graduate 1955 School of Business, New York: Columbia Univ., p. 54-66 (May 1955).
- 338.1 Halcrow, H. G. "Summary--Prospects and Proposals for Adjustments in Ag 78 Agriculture," in Agricultural Adjustment Problems in a Growing Economy, Heady, E. O. et al. ed., Ames, Iowa: Iowa State Univ. Press, p. 305-312 (1959).
- 330.973 Saulnier, R. J., Halcrow, H. G., and Jacoby, N. H. Federal Problems of N2130 Lending Loan Insurance and Loan Guarantees, National Bureau of Economic No. 58 Research, Princeton: Princeton Univ. Press, 566 p. (1958). (Summary)
- 630 Baker, C. B. and Halcrow, H. G. "Problems in Agricultural Reorganiza- Io92p tion," Problems and Policies of American Agriculture, Heady, E. O., ed., Ames, Iowa: Iowa State Univ. Press, p. 97-113 (1959).
- 333.7 Halcrow, H. G., et al., ed., Modern Land Policy, Urbana, Ill.: Univ. of L21m Ill. Press, 449 p. (1960).

2. Journal Articles

- 630.5 Halcrow, H. G. "Analyzing the Tax Load of Agriculture," Journal of Farm JOF Economics, 31(1):668 (Feb. 1949).
- 630.5 Halcrow, H. G. "Actuarial Structures for Crop Insurance," Journal of JOF Farm Economics, 31(3):418-443 (Aug. 1949).
- 630.5 Halcrow, H. G., and Huffman, R. E. "Great Plains Agriculture and Brannan's JOF Farm Program," Journal of Farm Economics, 31(3):497-503 (Aug. 1949).
- 630.5 Halcrow, H. G. "Problem of Farm Business Survival in Areas of Variable JOF Rainfall," Journal of Farm Economics, 31(4):951-953 (Nov. 1949).
- 630.5 Halcrow, H. G. "Reducing Price Variability Confronting Primary Producers," JOF Journal of Farm Economics, 32(2):196-198 (May 1950).

- 630.5 Halcrow, H. G. Review of The Western Range Livestock Industry, Clawson, Marion, Journal of Farm Economics, 32(3):505-506 (Aug. 1950).
JOF
- 630.5 Halcrow, H. G., and Brinegar, G. K. "A Brief Note on Schools of Thought," Journal of Farm Economics, 35(1):122 (Feb. 1953).
JOF
- 630.73 Halcrow, H. G. "Other Methods of Stabilizing Farm Income," Increasing Understanding of Public Problems and Policies, Chicago: Farm Foundation, p. 90-95 (1954).
IN2
- 630.5 Halcrow, H. G. Review of George N. Peek and the Fight for Farm Parity, Fite, Gilbert C., Journal of Farm Economics, 36(3):546-548 (Aug. 1954).
JOF
- 338.105 Halcrow, H. G. "Farm Income--Five Years Hence," Farm Policy Forum, 7(3):7-10 (Fall 1954).
FARP
- 338.105 Halcrow, H. G. "Direct Compensating Payments," Farm Policy Forum, 7(4):9-13 (Winter 1954).
FARP
- 630.5 Halcrow, H. G. "The Function of Land Economics in Agricultural Development," Journal of Farm Economics, 36(5):161-169 (Dec. 1954).
JOF
- 330.5 Halcrow, H. G. "The Shortening Work Week as a Component of Economic Growth," American Economic Review, 44(2):229-231 (May 1956).
AMEE
- 330.5 Halcrow, H. G. Review of Can We Solve the Farm Problem? An Analysis of Federal Aid to Agriculture, Benedict, Murray R., Journal of Political Economy, 64(5):453-454 (Oct. 1956).
JP
- 338.105 Halcrow, H. G. "The Changing Role of Part-time Farming," Farm Policy Forum, 9(3):19-22 (Winter 1957).
FARP
- 330.5 Halcrow, H. G. "Economic Prospects for Agriculture in 1959," Illinois Business Review, 16(1):8-9 (Jan. 1959).
IL
- 630.5 Halcrow, H. G. Review of Introduction to Agricultural Economics, Bishop, C. E., and Toussaint, W. D., Journal of Farm Economics, 40(2):459-461 (May 1959).
JOF
- 630.5 Halcrow, H. G., and Hieronymus, T. A. "Parity Prices in Their Economic Context," Journal of Farm Economics, 40(5):1289-1300 (Dec. 1959).
JOF
- 630.5 Halcrow, H. G. Review of Adjustments in Agriculture--A National Basebook, Christian, Earlton F., and Smith, Merwin G., ed., Journal of Farm Economics, 43(4):976-978 (Nov. 1961).
JOF
- 5000 Halcrow, H. G. "Comments: The Farm Problem: Analysis and Answers," Social Order, Monthly of National Jesuit Social Science Center, 12(5): 229-231 (May 1962).
SOCC
- 330.5 Halcrow, H. G. "Outlook for Agriculture," Illinois Business Review, 19(11):6-8, (Dec. 1962).
IL
- 332.05 Halcrow, H. G. "Farming's Profit Squeeze: Any Solution?" Banking Journal of the American Bankers Association, 55(10):81-82 (Apr. 1963).
JO

3. Bulletins, Circulars, and Similar Printed Materials

- 630.7
M76c Halerow, H. G. Montana County Finances at the End of the War: 1945,
Mont. Agr. Ext. Cir. 44, 24 p. (June 1946).
- 630.7
M76b Halerow, H. G., and Cushman, H. E. Guides to Poultry Profits in Montana,
No. 443 Mont. Agr. Exp. Sta. Bul. 443, 8 p. (Mar. 1947).
- 630.7
M76b Halerow, H. G. Montana's Tax System, Mont. Agr. Exp. Sta. Bul. 452,
No. 452 30 p. (Sept. 1948).
- 630.7
M76b Halerow, H. G. Montana Personal Income Taxation, Mont. Agr. Exp. Sta.
No. 458 Bul. 458, 35 p. (Jan. 1949).
- 630.7
M76b Halerow, H. G., and Stucky, H. R. Procedure for Land Reclassification in
No. 459 Montana, Mont. Agr. Exp. Sta. Bul. 459, 39 p. (Feb. 1949).
- 630.7
M76c Halerow, H. G. County Manager Government in Montana, Mont. Agr. Ext.
No. 53 Cir. 53, 24 p. (Sept. 1949).
- 630.7
M76b Halerow, H. G. Fiscal Policies of Montana Counties, Mont. Agr. Exp.
No. 466 Sta. Bul. 466, 34 p. (Nov. 1949).
- Halerow, H. G., and Stucky, H. R. Looking Ahead With Montana Farmers
and Ranchers, Mont. Agr. Ext. Cir. published quarterly (1947-1949).
- 630.7
C761b Halerow, H. G. The Connecticut Tax System, Conn. Agr. Exp. Sta. Bul. 292,
No. 292 23 p. (Sept. 1952).
- 630.7
Halerow, H. G. Farm Price Policy, Conn. Agr. Ext. Folder 77, 8 p. (May 1954).
- 630.7
C761c Halerow, H. G. Tax Problems of Connecticut School Expansion, Conn.
Agr. Ext. Cir. 54-18, 10 p. (Nov. 1954).
- 630.7
C761b Halerow, H. G., and Goodwin, D. C. The School Tax Crisis in Connecticut,
No. 316 Conn. Agr. Exp. Sta. Bul. 316, 31 p. (Feb. 1955).
- 630.7
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No. 321 Conn. Agr. Exp. Sta. Bul. 321, 16 p. (Feb. 1956).

4. Articles in Special and General Circulation Publications

Halerow, H. G., Hutchinson, C. R., and Atwood, F. F. "How About the
Condition of the Farmer?" Futura Voters Discussion Guide, 3(3):3
(Nov. 1953).

- 338.1 Halcrow, H. G. "Opportunities for Off-Farm Employment," Joint Economic
Un3152p Committee, Policy for Commercial Agriculture, 85th Congress, 1st Sess.,
p. 389-401 (Nov. 1957).
- 032 Halcrow, H. G. "Agricultural Economics," Encyclopedia Britannica (1957).
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- 031 Halcrow, H. G. "Farm Problems," Colliers Yearbook (1956, 1957, 1958,
C691 1959).
- 630.1505 Halcrow, H. G., and Read, Hadley. "Time for Action on Farm Programs,"
BE Better Farming Methods, 32(9):18-19, 30, 32 (Sept. 1960).
- 330.5 Halcrow, H. G. "Outlook for Agriculture," Illinois Business Review,
I1 19(11):6-8 (Dec. 1962).
- 630.5 Halcrow, H. G. "Choices on Wheat Referendum Explained," Prairie Farmer,
PR 135(8):76-77 (Apr. 20, 1963).
- 031 Halcrow, H. G., and Marquis, J. C. "Agriculture," Collier's Encyclo-
C69 pedia, 1963, Vol. 1, p. 288-301 (1963).

5. Department and College Mimeographed Series

- Halcrow, H. G. Public Policy for Agriculture: Problems and Issues in Connecticut, Univ. of Conn., M-27, 29 p. (Oct. 1953).
- 630.1 Thompson, W. N., and Halcrow, H. G. Farm Programs Facts and Opinions,
F228 Univ. of Ill., FMFO-158 (Mar. 31, 1958).
- 630.1 Halcrow, H. G. Philosophies Behind Farm Programs, Univ. of Ill.,
F228 FMFO-270 (Jan. 14, 1963).
- 338.1 Halcrow, H. G. "Nature and Impacts of Existing Legislation," Proceed-
Ag8p ings of the Fifth Agricultural Industries Forum, Univ. of Ill., AE-3479,
p. 34-37 (Jan. 1963).
- Halcrow, H. G. "Background and Goals," Major Issues in Agricultural Policy, Univ. of Ill., AE-3849, p. 1-5 (Jan. 1963).
- Halcrow, H. G. "Wheat Programs: What Are the Choices?" The 1963 Wheat Referendum, Univ. of Ill., AE-3894, p. 26-29 (Apr. 1963).

6. Miscellaneous

- Halcrow, H. G. "Taxation and Connecticut School Finance," Milestones in Connecticut Agriculture and Home Economics (Feb. 1955).
- Halcrow, H. G. "Farmers and Farm Production in the United States," 1954 Census of Agriculture, Part-Time Farming, 3(9):Chap. 8, Bureau of the Census.
- 338.1 Halcrow, H. G. "Farm Production Prices and Income," Prepared for American
A19a Farm Policy: The Thirtieth Discussion and Debate Manual, p. 189-204
Vol. 1 (1956).

- 338.1
In842p Halcrow, H. G. "The Relative Incidence on Agriculturists and on Other Groups of the Benefits Resulting From Technical Change in Agriculture," Ninth International Conference of Agricultural Economists, Otanienki, Finland, Vol. 9 (Aug. 1956).
- 330.973
N2130 Saulnier, R. J., Halcrow, H. G., and Jacoby, N. H. Federal Lending: Its Growth and Impact, National Bureau of Economic Research, Occasional Paper 58, 48 p. (1957).
- Halcrow, H. G. Effect of Limiting Taxes on Farm Real Estate to 10 Mills, Univ. of Conn., 9 p. (Feb. 1957).
- 332.71
Am35p Halcrow, H. G. "Farm Developments and What They Mean to Bankers," Eighth National Agricultural Credit Conference, American Bankers Association, Agricultural Commission (Nov. 9, 1959).
- 332.71
Am35p Halcrow, H. G. "Outlook for Agriculture," 29th Mid-Continent Trust Conference, American Bankers Association (Nov. 18, 1960).
- 630.73206
AMEF Halcrow, H. G. "Implications of Supply Control to American Agriculture," Annual Meeting of the American Farm Bureau Federation, Chicago, Ill. (Dec. 1960).
- Halcrow, H. G. "Outlook for Agriculture," First National Bank of Chicago Conference of Bank Correspondents (Nov. 26-27, 1962).
- Halcrow, H. G. Projection for Illinois Agriculture and Policy Implications, Paper for discussion at nine area meetings sponsored by the Illinois Agricultural Association (July 23-26, 29-31, Aug. 1-2, 1963).
- Halcrow, H. G. Economic Factors Behind Geographic Shifts in Agriculture, Summary of comments presented at the North Central Poultry Workshop, Urbana, Ill., 14 p. (Oct. 1, 1963).

BIOGRAPHICAL DATA

July, 1965

[REDACTED]

EDUCATION: M.A. University of Chicago--Social Work 1948

EMPLOYMENT RECORD:

1940 to 1942	Northwestern University and Illinois State Normal University
1942 to 1946	United States Army
1946 to 1948	University of Chicago, Student
1948 to 1953	University of Connecticut, Assistant Professor
1953 to 1956	University of Connecticut, Associate Professor
1956 to 1960	University of Connecticut, Professor
1960 to date	University of Illinois, Professor

MAJOR CONCURRENT ACTIVITIES:

July 1951 to December 1952	National Bureau of Economic Research (Government Lending Study) by R. J. Saulnier, H. G. Halcrow, and Neil Jacoby
July 1953 to January 1954	Consultant to New York Milkshed Committee
September 1, 1954 to September 1955	National Bureau of Economic Research, Research Associate (Agricultural credit on sabbatic leave with R. J. Saulnier)
1956 (Spring)	Consultant, New Hampshire Milk Control Board
1955 to 1958	Associate Editor, <u>Journal of Farm Economics</u>
May 1959 to April 1961	Commission on Money and Credit (Task Force "C" Government Lending)
September 1955 to date	National Bureau of Economic Research (agricultural credit with Geoffrey Moore)

1956 to date Committee on Agricultural Economics, Social Science Research
 Council and American Farm Economic Association

1958 to date Awards Committee, American Farm Economics Association, General
 Chairman, 1961 to date

EDUCATION:

1936 to 40 Illinois State Normal University, Normal, Illinois, B. Ed.
 1940

1945 (Fall quarter) London School of Economics, London, England

1946 to 48 University of Chicago, Chicago, Illinois, M.A., Ph.D.
 1949-1952

Major fields at Chicago

1. Agricultural economics
2. Theory
3. Government finance

ORGANIZATIONS:

American Farm Economic Association
American Economic Association
Pi Gamma Mu
Pi Kappa Delta

Kappa Phi Kappa
Omicron Delta Gamma
Gamma Sigma Delta

PUBLICATIONS BY GEORGE K. BRINEGAR

1949-1963

1. Theses, Books, and Contributions to Books

- Brinegar, G. K. Short-Run Income-Expenditure Relationship, Ph.D., Univ. of Chicago (1951).
- 332.71
Sy6c Brinegar, G. K. "The Structure of the Capital Market for Agriculture and an Evaluation of Its Components Relative to Current and Future Needs, 1960," Capital and Credit Needs in a Changing Agriculture, Baum, E. L., et al., ed., Ames, Iowa: Iowa State Univ. Press, p. 39-55 (1961).
- 338.1
Ic93g Brinegar, G. K. "Discussion: Acceptable Rates of Change," Goals and Values in Agricultural Policy, Ames, Iowa: Iowa State Univ. Press, p. 284-290 (1961).

2. Journal Articles

- 338.105
FARP Johnson, Stewart, and Brinegar, G. K. "What About the Brannen Plan?" Farm Policy Forum, 2(4):9-12 (Oct. 1949).
- 630.5
JOF Brinegar, G. K. "Short-Run Effects of Income Change on Expenditure," Journal of Farm Economics, 35(1):99-109 (Feb. 1953).
- 630.5
JOF Halcrow, H. G., and Brinegar, G. K. "A Brief Note on Schools of Thought," Journal of Farm Economics, 35(1):122 (Feb. 1953).
- 330.5
REVE Brinegar, G. K. "Income, Savings Balances, and Net Saving," Review of Economics and Statistics, 35(1):71-74 (Feb. 1953).
- 630.5
JOF Brinegar, G. K., and Johnson, Stewart. "On Letting Go of the Bear's Tail," Journal of Farm Economics, 36(1):30-43 (Feb. 1954).
- 332.05
JOU Brinegar, G. K. "Short-Run Income-Expenditure Relationships" (Abstract of Ph.D. Thesis), The Journal of Finance, 9(3):314-315 (Sept. 1954).
- 630.5
JOF Brinegar, G. K. "Measuring Risk in Farm Mortgage Lending," Journal of Farm Economics, 37(5):941-949 (Dec. 1955).
- 630.5
JOF Brinegar, G. K. "Teaching Economics in Colleges and Universities," Journal of Farm Economics, 30(4):991-997 (Nov. 1956).
- 630.5
JOF Brinegar, G. K. "Discussion: Financing Farm Adjustments," Journal of Farm Economics, 38(5):1547-1551 (Dec. 1956).
- 630.5
JOF Brinegar, G. K. "Economic Effects of Regulation and Price Fixing in the Milk Industry," Journal of Farm Economics, 39(5):1173-1185 (Dec. 1957).
- 630.5
JOF Brinegar, G. K. Review of Price Prices, Myth and Reality, Cochrane, Willard W., Journal of Farm Economics, 40(3):708-711 (Aug. 1958).

- 630.5
JOF Berry, C. H., Brinegar, G. K., and Johnson, Stewart. "Short-Run Effects Following Controlled Price Changes: Skim Milk," Journal of Farm Economics, 40(4):892-902 (Nov. 1958).
- Brinegar, G. K., Bachman, K. L., and Southworth, H. M. "Reorientations in Research in Agricultural Economics," Items of Social Science Research Council, 13(1):1-4 (March 1959).
- 330.5
AMEE Brinegar, G. K. Review of The Dynamics of Supply: Estimation of Farmers' Response to Price, by Marc Nerlove, American Economic Review, 49(5):478-480 (June 1959).
- 630.5
JOF Brinegar, G. K., Bachman, K. L., and Southworth, H. M. "Reorientations in Research in Agricultural Economics," Journal of Farm Economics, 41(3):600-619 (Aug. 1959).
- 630.5
JOF Brinegar, G. K. "Discussion: Encouraging Fundamental Research in Agricultural Economics," Journal of Farm Economics, 41(5):1474-1476 (Dec. 1959).
- 630.5
JOF Brinegar, G. K. Review of Preface to Econometrics (An Introduction to Quantitative Methods in Economics), Brennan, Michael J., Jr., Journal of Farm Economics, 43(1):163 (Feb. 1961).
- 630.5
JOF Brinegar, G. K. Review of Economics and Management in Agriculture, Vincent, Warren H., ed., Journal of Farm Economics, 44(3):910-912 (Aug. 1962).

3. Bulletins, Circulars, and Similar Printed Materials

- 630.7
C761b
No. 280 Brinegar, G. K. Effect of Changes in Income and Price on Milk Consumption, Conn. Agr. Exp. Sta. Bul. 280, 28 p. (July 1951).
- 630.7
C761b
No. 303 Brinegar, G. K., and Johnson, Stewart. The Market for Fluid Skim Milk, Conn. Agr. Exp. Sta. Bul. 303, 44 p. (July 1953).
- 630.7
C761b
No. 312 Johnson, Stewart, and Brinegar, G. K. Efficiency Factors and Changes in Milk Distribution, 1946-1954, Conn. Agr. Exp. Sta. Bul. 312, 30 p. (Sept. 1954).
- 630.7
C761b
No. 324 Brinegar, G. K., et al. The Milk Production-Consumption Balance and Use of Reserve Supplies in the Connecticut Market, 1954, Conn. Agr. Exp. Sta. Bul. 324, 22 p. (1956).
- 630.7
C761b
No. 325 Brinegar, G. K., et al. The Demand for Fluid Skim Milk, Conn. Agr. Exp. Sta. Bul. 325, 32 p. (1956).
- 630.7
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No. 333 Taylor, P. N., Brinegar, G. K., and Johnson, Stewart. The Retail Market for Fluid Cream, Conn. Agr. Exp. Sta. Bul. 333, 29 p. (1957).

630.7 Johnson, Stewart, and Brinegar, G. K. Economic Analysis of the Milk-
C761b Hauling-Rate Structure Direct Shippers of a Producers' Cooperative,
No. 353 Conn. Agr. Exp. Sta. Bul. 353, 20 p. (June 1960).

630.7 Johnson, Stewart, Brinegar, G. K., Howes, R. R., Maina, J. W., and
C761b Lundquist, L. Economic Analysis of the U. S. Special Milk Program,
No. 356 Conn. Agr. Exp. Sta. Bul. 356, 36 p. (Nov. 1960).

4. Articles in Special and General Circulation Publications

338 Brinegar, G. K. "Direct Payments to Producers," Policy for Commercial
Un376b Agriculture, Its Relation to Economic Growth and Stability, Joint
Economic Committee, 85th Cong., 1st Sess., p. 640-649 (Nov. 1957).

338 Brinegar, G. K. "Direct Payments," Hearings, Subcommittee on Agricul-
Un376b tural Policy, Joint Economic Committee, 85th Cong., 1st Sess., p. 299-
319 (Dec. 1957).

630.1505 Brinegar, G. K. "Marketing Orders and Agreements--Their Economic Impli-
BE cations," Better Farming Methods, 33(12):10-11, 20 (Dec. 1961).

Brinegar, G. K. Review of Economic Impact of Federal Loan Insurance,
Break, George F., Review of Economics and Business, p. 101-103 (May 1962).

630.5 Brinegar, G. K. "Gains and Losses From Applied Research," Illinois
ILLR Research, 5(1):3-4 (Winter 1963).

5. Department and College Mimeographed Series

338.1 Brinegar, G. K. Marketing Orders and Agreements--Their Economic Impli-
I1662e cations, Univ. of Ill., Economics for Agriculture, IATG 24 (July 25,
1961).

338.1 Brinegar, G. K. "Economics of Marketing Orders and Agreements," Pro-
Ag8p ceedings of the Fourth Agricultural Industries Forum, Univ. of Ill.,
AE-3808, p. 18-21 (Jan. 1962).

Brinegar, G. K. Discussion of Paper by Earl O. Heady: Progress, Pro-
ductivity, and Income in Agriculture in Relation to Market Power, Univ.
of Ill., AE-3908, 5 p. (May 14, 1963).

6. Miscellaneous

Brinegar, G. K. "Basic Problems in Cooperative Finance Research,"
Third National Research Teaching Conference in Agricultural Coopera-
tion, Farmer Cooperative Service, USDA, Washington, D. C., p. 95-98
(Mar. 1962).

I. Formal training:

- A.B. (magna cum laude) Hamline University, St. Paul, Minnesota, 1950.
Major: Psychology and History
- M.P.A. Princeton University, Princeton, New Jersey, 1952. Major: Public Affairs.
- Ph.D. Princeton University, Princeton, New Jersey, 1957. Major: Politics

II. Professional career:

- 1951-52 Research Assistant, Center of International Studies, Princeton University. (Assistant to Professor Gabriel A. Almond)
- 1952 (Summer) Research Assistant, ONR Project: Research in Cohesive and Disruptive Tendencies in Coalition Type Groups, University of Minnesota. (Assistant to Professor Ben Willerman).
- 1952-53 Assistant in Instruction, Department of Politics, Princeton University.
- 1953-55 Duty with the Army of the United States. (In 1953-54, served with Combat Developments Branch, AC/S G-3, Headquarters USAREUR and did research on psychological warfare problems.)
- 1954-56 Instructor, Overseas Branch, University of Maryland, Heidelberg, Germany.
- 1956-57 Instructor, Department of Political Science, University of Minnesota
- 1957-60 Assistant Professor, Department of Political Science, University of Minnesota.
- 1960-64 Associate Professor, Department of Political Science, University of Minnesota.
- 1961-62 Fellow, Center for Advanced Studies in the Behavioral Sciences, Stanford, California.
- 1964- Professor, Department of Political Science, University of Minnesota.

III. Subject Matter Teaching:

Comparative Politics; Scope and Methods of Political Science; International Politics; Political Behavior.

IV. Fellowships:

- 1958 Summer Travel Grant, Hill Family Foundation, to study the Soviet Union.
- 1961-62 Fellow, Center for Study in Behavioral Sciences, Palo Alto, California.
- 1964 Grant to observe British election.
- 1965 Social Science Research Council Faculty Research Grant.

V. Selected writings:

"Age as a Factor in the Recruitment of Communist Leadership," American Political Science Review, June 1954.

V. (con't)

"An Exploratory Study of the French Cabinets of the First Legislature of the Fourth Republic," Technical Report No. 2, Research in Cohesive and Disruptive Tendencies in Coalition-Type Groups, ONR Project No. 8-ONR-66216, University of Minnesota, 1953 (mimeographed).

"An Analysis of the Problem of Stability and Cohesive Membership in Coalitions," Technical Report No. 3, Research in Cohesive and Disruptive Tendencies in Coalition-Type Groups, ONR Project No. 8-ONR-66216, University of Minnesota, 1953. (mimeographed)

"The Reciprocal Trade Agreements Act of 1949: A Case Study" (with J.R. Barlow Woodrow Wilson School of Public and International Affairs, Princeton University, 1954. (mimeographed)

A Psychological Warfare Country Plan on Poland (with William A. DePree and Henry W. Spanley), Combat Developments Branch, AC/S G-3, Headquarters, USAREUR, 1955. (classified documents, unavailable for distribution).

"The Intelligence Function in Psychological Warfare: The Role of the Country Plan." Combat Developments Branch, AC/S G-3, Headquarters, USAREUR, 1955. (classified documents, unavailable for distribution).

The Munich Operation of Radio Free Europe (Ph.D. dissertation submitted to Princeton University, 1956).

Radio Free Europe, University of Minnesota Press, Minneapolis, 1958.

Strategic Psychological Operations and American Foreign Policy (with R. W. van de Velde), University of Chicago Press, Chicago, 1960.

Soviet Union: Paradox and Change (ed. with John E. Turner) Holt, Rinehart and Winston, New York, 1962.

The Political Basis of Economic Growth: An Explanation in Comparative Political Analysis, (with John E. Turner), Van Nostrand, Princeton, 1965 - forthcoming.

"Structural Functional Analysis in Political Science," (prepared for a special issue of The Annals, forthcoming, 1965).

"Modernization and Political Stability: A Theoretical Framework," (paper presented to the International Congress on French Speaking Africa, Georgetown University, 1964).

"The Balloting at Barons Court: A Study of a British Election in a Marginal Constituency, (with John E. Turner). Forthcoming.

July, 1965

██████████

Personal:

██████████

Education:

- 1939-40 West Liberty State College, West Virginia; study Education
- 1940-43 West Virginia University; B. S. Agricultural Education in 1943
- 1946-47 Ohio State University; M. S. Rural Economics in 1947
- 1948-56 Ohio State University (part-time) Ph. D. Agricultural Economics 1956
- 1958 University of Illinois Graduate Student at Land Economics Institute

Elementary education was received in rural (one or two rooms) schools of Marshall County, West Virginia; Secondary education was at Moundsville High School from which he graduated, 1938.

EXPERIENCE

Teaching:

Ohio State University 1948-1956, Instructor (part-time); 1956-1961, Assistant Professor; 1961 to date, Associate Professor; Oklahoma State University 1961-1963, Associate Professor (on leave from Ohio State) to serve as Head, Department of Agricultural Economics and Business, Imperial Ethiopian College of Agricultural and Mechanical Arts, Haile Sellassie I, University at Alemaya, Ethiopia.

Teaching responsibilities have included development and teaching of undergraduate and graduate level courses in Agricultural Economics; serving as counselor and advisor to undergraduate and graduate students; and carrying out numerous committee assignments. He has been a member of the Graduate Faculty since 1956.

In Ethiopia, the position required establishing a department, setting up a curriculum, planning course offerings, staffing and equipping for the planned program, in addition to teaching two or three different courses each school term.

Research:

Ohio Agricultural Experiment Station 1953-1965 (part-time) with academic rank comparable with that on Ohio State University appointment. Primary areas of research interest in Land Resource Economics and Farm Management are with problems reflecting urbanization of rural areas. Specific projects for which he has been responsible or project leader, have included Economic and Social Aspects of Part-Time Farming, Rural Zoning and Associated Land Use Planning, Farm Real Estate Prices, and Sources of Water Supplies for Farm Use.

Since 1956, he has served as representative of Ohio Agricultural Experiment Station on various North Central Regional Research Committees dealing with Land Economics, Tenure, and related subjects. He has served in various official capacities on these committees and currently is chairman of the North Central Land Economics Research Committee.

In Ethiopia he had responsibility for planning and implementation of a research program for the Agricultural Economics and Business Department.

He is the author or co-author of six research bulletins or circulars and of more than 20 articles in popular and professional periodicals.

Other:

Early life experiences of growing up and working on a general purpose hill farm in West Virginia, provide a perspective on developmental problems. There he was very active in 4-H Club work, receiving many honors and scholarship awards.

His business experiences included work in retail stores in West Virginia and about one year with Railway Express Agency in El Paso, Texas.

He served in the U.S. Army during World War II with an Infantry Division, receiving combat experience in the European theater of operations.

Foreign travel for business, pleasure, and military purposes include, Canada, Mexico, Britain, France, Germany, Czechoslovakia, Belgium, Switzerland, Italy, Greece, Egypt, Ethiopia, Kenya, Tanganyika, French Somaliland, Jordan, Lebanon, India, Thailand, Philippines and Japan.

Membership in professional Societies:

American Farm Economics Association
American Economic Association
International Association of Agricultural Economists
International Development Society

Membership in Honorary Societies and Fraternities:

Alpha Zeta, Agricultural Honorary Fraternity
Phi Epsilon Phi, Botanical Honorary Fraternity
Gamma Sigma Delta, Honorary Agricultural Fraternity
West Virginia 4-H All Stars

VITA

[REDACTED] W [REDACTED]
July, 1965

Personal:

[REDACTED]

Education:

Validictorian, High School Class
B. S. Degree at Savannah State College, Georgia, 1942
M. S. Degree at Ohio State University, 1947, in Agricultural Economics
Ph.D. Degree at Ohio State University, 1953, in Agricultural Economics
Post-doctoral Fellowship, Summer, 1956, at North Carolina State
University

Experience:

Taught Agricultural Economics at the Agricultural and Technical College
of North Carolina, 1947-1951, Assistant Professor and Associate
Professor.
Teaching and Research at O. S. U., Department of Agricultural Economics
and Rural Sociology, 1953 to date, Instructor to Associate Professor.
Visiting Professor of Economics and Statistics, Nomensen University,
Medan, Indonesia, Support of Ford Foundation-National Lutheran Council,
1961-63.
Member of the President's National Agricultural Advisory Committee,
1964-65.

Dr. Williams has had considerable experience in teaching both under-graduate and graduate students at universities in the U. S. as well as in Indonesia. He has participated in research in a wide variety of subjects, including agricultural policy, rural development, agricultural economic development, demand and price structure for agricultural commodities, and impact of European Common Market on U.S. agriculture. Most of this work has been done in a Land Grant College and Experiment Station. Besides working for two years in Indonesia, he has traveled widely in Europe and other parts of the world. He has written six research bulletins and circulars and at least fifteen articles for professional and trade journals. He is a member of the American Farm Economics Association and the International Association of Agricultural Economists.

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[REDACTED] [REDACTED] [REDACTED]

[REDACTED] [REDACTED]

Education: B. S. (Agronomy) New Mexico A & M 1934
M. S. (Plant breeding) Iowa State College 1934-1936
Completed coursework and passed qualifying exams for
Ph.D., Iowa State 1940

Employment: New Mexico A & M
Field Technician (Part time) 1934

Iowa State College
Graduate Assistant 1935-1936

West Virginia University
Assistant Agronomist - Breeding soybeans, cereals
and watermelons. Teaching
courses in Agronomy 1936-1938

North Carolina State College
Assistant Professor - Soybean breeding, teaching gen-
eral 1938-1940
Associate Professor - Agronomy and Plant breeding.
Consulting in Statistics. 1940-1945

Professor in Experimental Statistics - Teaching, con-
sulting and research in Experi-
mental Statistics (School of
Agriculture) 1945-1949

Head, Department of Experimental Statistics (School
of Agriculture) 1949-1962

Director - State College Section - Institute of
Statistics 1954-1962

Director - North Carolina Agricultural Mission to Peru 1963-date
(Based in Raleigh)

Other

Consultant, Experiment Station, Hawaiian Sugar
Planters' Association, Honolulu June-Sept. 1950

Consultant, IBEC Research Institute, Sao Paulo-July-Aug. 1954
Brazil

" " " June-July 1955
" " " August 1957

Consultant, N. C. University Research Mission in Peru Jan.-March 1956
" " " June-July 1961
" " " Nov. 1962

Chief, N. C. University Research Mission in Peru	1956-1959
Consultant, Inter American Institute of Agricultural Sciences, Turrialba, Costa Rica	Aug. 1958
Scientific Secretary for Agriculture - Science Conference Staff-UN Conference on Application of Science and Technology for the Benefit of Less Developed Areas	Mar.-Nov. 1962
Delegation Coordinator in Agriculture for above Conference in Geneva	Feb. 1963
Member of Evaluation Team to Nicaragua for AID - Agric. Program of Development	Mar.16-Apr.23 1964
Senior Advisor to Mission to Ecuador to Study Education, research and extension in agriculture	Mar.-Apr. 1965

Professional Societies:

American Society of Agronomy
American Statistical Association (Fellow)
Biometric Society
American Association for the Advancement of Science

Other Professional Activities:

Editorial Committee = Agronomy Journal	1952-1957
Chairman, Southern Regional Education Board	
Committee on Statistics	

Honor Societies:

Alpha Zeta
Society of Sigma Xi
Gamma Sigma Delta
Phi Kappa Phi

Appendix C

A. I. D. -University Projects in Rural Development

Table 1	AID University-Contract Rural Development Projects
Table 2A	Rural Development Projects in Latin America Region
Table 2B	Rural Development Projects in Near East and South Asia Region
Table 2C	Rural Development Projects in Africa Region
Table 2D	AID University-Contract Rural Development Projects in Far East Region
Table 3	Countries with Specified Types of AID University-Contract Rural Development and Other-Field Projects, by Regions
Table 4	AID University-Contract Projects, by Type in Countries Having One or More Rural Development Project
Table 5	Universities With AID-Financed Contracts for Specified Types of Rural Development and Other-Field Projects, by Number of Countries With Which Concerned
Table 6	Universities Having One or More AID University-Contract Rural Development Project -- Number of Projects by Type and Location

Table 1 - AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT PROJECTS ¹

A. Active Projects by Years in Operation, by Regions

Region	Total	Year Contract Signed							
		1965	1964	1963	1962	1961	1960	1959	1952-58
		No. of Projects							
Latin America	14	4	4	2	1	1	-	-	2
N.E.S.A.	11	-	-	1	-	-	-	-	10
Africa	16	2	4	5	3	-	1	-	1
Far East	1	-	-	-	-	-	-	-	1
Total	42	6	8	8	4	1	1	-	14

B. Expired Projects by Year Contract Terminated, by Regions

Region	Total	Year Contract Terminated							
		1965	1964	1963	1962	1961	1960	1959	1952-58
		No. of Projects							
Latin America	10	-	-	2	-	-	1	1	6
N.E.S.A.	4	-	1	-	1	-	1	-	1
Africa	none	-	-	-	-	-	-	-	-
Far East	9	2	2	-	1	1	3	-	-
Total	23	2	3	2	2	1	5	1	7

Source: Based on published and unpublished data supplied by AID. Includes all university-contract projects "backstopped" by the agriculture or rural development staff of the respective Regional Bureaus in AID/Washington. Also includes three projects classified "education" by AID/W which have major agricultural components: Illinois-Sierra Leone, Michigan State - Nigeria and Michigan State - Taiwan. Excludes survey contracts.

¹ Data are as of June 30, 1965.

(continued)

Table 1 - (cont.) AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT PROJECTS

C. Expired Projects by Years in Operation, by Regions

Region	Total	Years in Operation					
		-2	2-4	4-6	6-8	8-10	10+
		No. of Projects					
Latin America	10	-	5	3	2	-	-
N.E.S.A.	4	-	1	-	1	1	1
Africa	-	-	-	-	-	-	-
Far East	9	-	4	2	2	1	-
Total	23	-	10	5	5	2	1

D. All Projects by Years in Operation, by Regions

Region	Total	Years in Operation					
		-2	2-4	4-6	6-8	8-10	10+
		No. of Projects					
Latin America	24	10	7	3	3	-	1
N.E.S.A.	15	1	1	-	2	5	6
Africa	16	8	6	1	-	-	1
Far East	10	-	4	2	2	2	-
Total	65	19	18	6	7	7	8

Latin America

Table 2A - RURAL DEVELOPMENT PROJECTS IN LATIN AMERICA REGION ¹

<u>Country</u>	<u>U. S. University</u>	<u>Active</u> (Starting Date)	<u>Host Institution</u> ²
Argentina	Texas A & M	2/01/64	National Institute of Ag'l Technology
Argentina	Michigan State	2/28/65	Balcarce College of Ag. et.al.
Brazil	U of Arizona	10/25/63	University of Ceara, Fortaleza
Brazil	Mississippi State U	3/02/64	Brazil Min. Ag.
Brazil	Ohio State U	3/16/64	Ag. College, University of Sao Paulo
Brazil	Purdue U	7/01/58	Rural U of State of Minas Gerais
Brazil	U of Wisconsin	12/27/63	University of Rio Grande Do Sul
Costa Rica	U of Florida	5/21/65	University of Costa Rica
Dominican Republic	Texas A & M	4/01/65	Secretariat of Ag.
Paraguay	New Mexico State U	6/18/64	College of Ag. & Vet. Science of National U of Paraguay
Peru	Iowa State U	9/18/61	Natural Resources and Agrarian Reform organizations, Min. Ag.

Source: Based on published and unpublished data provided by A.I.D. (See footnote, Table 1.)

¹ As of June 30, 1965.

² Some projects have changed scope and emphasis over time. Where possible, major shifts of this type are indicated.

Table 2A - (cont.) RURAL DEVELOPMENT PROJECTS IN LATIN AMERICA REGION

<u>Country</u>	<u>U.S. University</u>	<u>Active</u> (Starting Date)	<u>Host institution</u>
Peru	North Carolina State U	11/15/54	National School of Ag.
ROCAP	Oklahoma State U	5/05/65	Faculty of Vet. Med., U's of Central America (CUSA)
Uruguay	Iowa State U	11/29/62	Universidad De La Republica Oriental Del Uruguay
		<u>Expired</u> (Period Active)	
Chile	U of California	1954-57	Plan Chillan & U of Concepcion DTICA Res. & Ext. & Colleges of Ag.
Colombia	Michigan State U	1951-59	2 National universities
Costa Rica	U of Florida	1954-60	Servicio and Min. Ag. (Research)
Ecuador	U of Idaho	1954-57	Universities of Quito & Guayaquil
Guatemala	U of Kentucky	1957-63	University of San Carlos
Mexico	Texas A & M	1954-56	Escuela Superior de Agricultura
Panama	U of Arkansas	1951-57	Total Ag. Program
Paraguay	Montana State U	1960-63	National University of Asuncion
Mexico	U of Pennsylvania	1954-58	Cattle diseases research & training

Table 2B - RURAL DEVELOPMENT PROJECTS IN NEAR EAST AND SOUTH ASIA REGION ¹

<u>Country</u>	<u>U.S. University</u>	<u>Active</u> (Starting Date)	<u>Host Institution</u> ²
Afghanistan	U of Wyoming	9/01/54	Faculty of Ag., Kabul University
India	U of Illinois	6/26/52	Provincial Ag. Universities NC Region
India	Kansas State U	3/23/56	Central Region
India	Ohio State U	9/12/55	Northwest Region
India	U of Tennessee	3/23/56	Southern Region
India	U of Missouri	3/07/57	Northeast Region
Jordan	U of Illinois	9/06/63	Min. Ag., Ag. Ext. Dept.
Pakistan	Colorado State U	7/18/58	Peshawar University
Pakistan	Washington State U	6/24/54	Ag. University of West Pakistan
Pakistan	Texas A & M	7/30/58	East Pakistan Ag. Universities
Turkey	U of Nebraska	3/28/55	Atatark and Ankara Universities
		<u>Expired</u> (Period Active)	
Iran	Utah State U	1951-61 1958-64	Min. Ag. & Rural Dev. and Keraj College
Iraq	U of Arizona	1952-60	Ag. College at Abu-Shraib
Israwl	State U of N. Y.	1954-58 1958-62	Recruitment for Ag. & other fields Hebrew University
Jordan	Montana State U	1954-57	Min. Ag. & Natural Resources

Source: Based on published and unpublished data provided by A.I.D. (See footnote, Table 1.)

¹ As of June 30, 1965.

² Some projects have changed scope and emphasis over time. Where possible, major shifts of this type are indicated.

Table 23 - RURAL DEVELOPMENT PROJECTS IN AFRICA REGION ¹

<u>Country</u>	<u>U.S. University</u>	<u>Active</u> (Starting Date)	<u>Host Institution</u> ²
East African Regional	West Virginia U	12/15/64	Makerere College
East African Regional	Colorado State	1/11/65	Vet. Faculty, U College of Nairobi
Ethiopia	Oklahoma State U	5/16/52	Haile Selassie I University
Kenya	West Virginia U	9/25/62	Egerton Ag. College
Kenya	West Virginia	6/30/64	Min. Educ. (5 Vo. Ag. Centers)
Malawi	U of Massachusetts	1/17/63	Ag. Training Ctr. near Lilongwe
Nigeria	Michigan State U	3/18/60	U of Nigeria and Govt. of E. Region
Nigeria	Kansas State U	10/01/63	Ahmadu Bello University
Nigeria	Colorado State U	11/24/64	Ministry of Agriculture
Nigeria	U of Wisconsin	12/15/64	University of Ife
Sierra Leone	U of Illinois	8/16/63	Njala Teacher Training College
Somali Republic	U of Wyoming	1/26/65	Ministry of Agriculture
Tanzania	West Virginia U	10/19/62	Ag. College of Tanganyika
Tunisia	Texas A & M	10/26/62	Sec. of State for Ag., Govt. of Tunisia
Uganda	West Virginia U	5/28/63	Ag. Colleges at Bukalasa & Arapai, Vet. Training Inst. at Entebbe
Zambia	U of Connecticut	5/13/63	Monze Ag. Training Ctr.

No Expired (completed or terminated) projects.

Source: Based on published and unpublished data provided by A.I.D. (See footnote, Table 1.)

¹ As of June 30, 1965.

² Some projects have changed scope and emphasis over time. Where possible, major shifts of this type are indicated.

Far East

Table 2D - AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT PROJECTS IN FAR EAST
REGIONS ¹

<u>Country</u>	<u>U.S. University</u>	<u>Active</u> (Starting Date)	<u>Host Institution</u> ²
Indonesia	Kentucky	7/19/57	U of Indonesia at Bogor
		<u>Expired</u> (Period Active)	
Cambodia	U of Georgia	1960-63	National College of Ag., Animal Husbandry and Forestry
China	Michigan State	1960-64	National Taiwan University & Provincial Chung Hsing Univ.
Japan	U of Massachusetts	1957-61	Hokkaido University
Philippines	Cornell U	1952-60	University of the Philippines at Los Banos
Philippines	Cornell U	1954-60	University of Philippines, College of Forestry
Philippines	State U of N. Y. ³	1957-65	U of Philippines, Col. of Forestry
Thailand	U of Hawaii ⁴	1962-65	Kasetsart University
Thailand	Oregon State U ³	1956-62	Kasetsart University
Vietnam	U of Georgia	1960-62	National College of Ag., Animal Husbandry and Forestry

Source: Based on published and unpublished data provided by A.I.D. (See footnote, Table 1.)

¹ As of June 30, 1965.

² Some projects have changed scope and emphasis over time. Where possible, major shifts of this type are indicated.

³ Same basic project throughout, change was only in U. S. university contractor.

⁴ Ibid.

Countries

Table 3 - COUNTRIES WITH SPECIFIED TYPES OF AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT AND OTHER-FIELD PROJECTS, BY REGIONS ^{∠1}

Type of Project	All Regions	Latin America	NESAs	Africa	Far East
		<u>Number of Countries</u>			
Rural Development Projects					
Active only	20	5	4	10	1
Active and Expired	4	3	1	-	-
Expired only	14	5	3	-	6
	—	—	—	—	—
Total Countries	38	13	8	10	7
Active Projects ^{∠2}					
Pre-1962 only	6	-	4	1	1
Pre-and post-1962	3	2	-	1	-
1962-65 only	15	6	1	8	-
	—	—	—	—	—
Total Countries	24	8	5	10	1
Other Projects in Countries with Active Rural Development Projects ^{∠3}					
None	5	2	1	2	-
1	8	3	-	5	-
2	2	1	-	1	-
3 or more	9	2	4	2	1
	—	—	—	—	—
Total Countries	24	8	5	10	1

Source: Based on published and unpublished data supplied by A.I.D. (See footnote, Table 1).

^{∠1} Data are as of June 30, 1965.

^{∠2} Year in which contract executed.

^{∠3} Active projects only. Data are not available for "expired contracts" (completed or terminated in fields other than rural development.)

Countries

Table 4 - AID UNIVERSITY-CONTRACT PROJECTS, BY TYPE
IN COUNTRIES HAVING ONE OR MORE RURAL DEVELOPMENT PROJECT ¹

Country	Rural Development			Other Fields (Active)				Universities	
	Active		Expired	Educ.	Engr.	Pub. Adm.	Other	Rural ² Dev.	All ³ Fields
	Pre-1962	1962-65							
<u>Latin America</u>	Number of Projects								Number
Argentina	-	2	-	-	-	-	1	2	3
Brazil	1	4	-	2	1	1	6	5	13
Chile	-	-	2	-	1	-	2	1	3
Colombia	-	-	1	-	-	-	3	1	4
Costa Rica	-	1	1	-	-	-	2	1	3
Dominican Republic	-	1	-	-	-	-	1	1	2
Ecuador	-	-	1	3	-	-	-	1	4
Guatemala ⁴	-	1	1	1	-	-	-	2	3
Mexico	-	-	2	1	-	-	-	2	3
Panama	-	-	1	1	-	-	-	2	3
Paraguay	-	1	1	-	-	-	1	1	2
Peru	1	1	-	1	-	-	-	2	2
Uruguay	-	1	-	-	-	-	2	2	5
							1	1	2
Total	2	12	10	8	2	1	13	18	36
<u>WESA</u>									
Afghanistan	1	-	-	1	2	-	-	1	3
India	5	-	-	2	2	1	-	5	10
Iran	-	-	1	-	1	-	1	1	2
Iraq	-	-	1	-	1	-	-	1	2
Israel	-	-	1	-	-	-	-	1	2
Jordan	-	1	1	-	-	-	-	1	2
Pakistan	3	-	-	2	-	-	-	2	5
Turkey	1	-	-	1	1	1	3	3	7
							2	1	6
Total	10	1	4	6	6	2	6	14	32

(continued)

Footnotes appear on page 3 of this table.

Table 4 - (cont) AID University Contract Projects, By Type, in Countries Having One or More Rural Development Project

Country	Rural Development			Other Fields (Active)				Universities	
	Active		Expired	Educ.	Engr.	Pub. Adm.	Other	Rural	All
	Pre-1962	1962-65						Dev.	Fields
<u>Africa</u>	Number of Projects							Number	
Ethiopia	1	-	-	1	-	-	-	1	2
Kenya ⁴	-	2	-	2	-	1	-	1	4
Malawi	-	1	-	1	-	-	-	1	2
Nigeria	1	3	-	7	-	-	1	4	10
Sierra Leone	-	1	-	1	-	-	-	1	2
Somali Republic	-	1	-	-	-	-	-	1	1
Tanzania	-	1	-	2	-	-	-	1	3
Tunisia ⁴	-	1	-	1	-	-	-	1	1
Uganda ⁴	-	2	-	1	-	-	-	1	3
Zambia	-	1	-	1	-	-	-	1	2
Total	2	13	0	16	0	1	1	7	21
<u>Far East</u>									
Cambodia	-	-	1	-	-	-	-	1	1
Indonesia	1	-	-	-	2	-	-	1	2
Japan	-	-	1	-	-	-	1	1	1
Philippines	-	-	3	-	-	-	-	2	3
Taiwan	-	-	1	-	-	-	-	1	1
Thailand	-	-	2	1	1	-	2	2	5
Vietnam	-	-	1	3	-	-	-	1	3
Total	1	0	9	4	3	0	4	8	13
<u>All Regions</u>									
Latin America	3	11	10	8	2	1	18	18	36
NESA	10	1	4	6	6	2	6	14	32
Africa	2	14	-	16	-	1	1	11	21
Far East	1	-	9	4	3	-	4	8	13
TOTAL	16	26	23	34	11	4	29	35⁷⁵	71⁷⁵

(continued)

Table 4 - (cont) AID University Contract Projects, By Type, in Countries Having One or More Rural Development Project

Source: Based on published and unpublished data supplied by A. I. D. (See footnote to Table 1.)

/1 See footnotes 1-3, Table 3.

/2 Includes both Active and Expired projects.

/3 Total number of different universities having current or expired rural development project contract(s) and/or current contract(s) for project(s) in other fields.

/4 Includes Regional project located in designated country.

/5 Items do not add to total as some universities have or have had projects in more than one country and/or region.

Universities

Table 5 - UNIVERSITIES WITH AID-FINANCED CONTRACTS FOR SPECIFIED TYPES OF RURAL DEVELOPMENT AND OTHER-FIELD PROJECTS, BY NUMBER OF COUNTRIES WITH WHICH CONCERNED^{/1}

Type of Project	Countries with which Concerned			
	Total	1	2	3 or more
Number of Universities				
Rural Development Projects				
Active only	13	9	6	3
Active and Expired	6	1	3	2
Expired only	11	8	3	-
Total universities	35	18	12	5
Active Projects ^{/2}				
Pre-1962 only	7	7	-	-
Pre- and post-1962	7	-	5	2
1962-65 only	10	7	1	2
Total universities	24	14	6	4
Other Projects of Universities with Active Rural Development Projects ^{/3}				
None	15	9	5	1
1	6	-	3	3
2	1	-	-	1
3 or more	2	-	-	2
Total universities	24	9	8	7

^{/1} Data are as of June 30, 1965.

^{/2} Year in which contract executed.

^{/3} Active projects only. Data are not available for "expired contracts" (completed or terminated in fields other than rural development.

Universities

Table 6 - UNIVERSITIES HAVING ONE OR MORE AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT PROJECT

Number of Projects by Type and Location ¹

University	Rural Development			Other Fields (Active)			Countries		Regions ⁴ (Rural Dev. only)
	Active		Expired	Educ.	Engr.	Other	Rural/ ² Dev.	All/ ³ Fields	
	Pre-1962	1962-65							
Number of Projects				Number					
Arizona U	-	1	1	-	-	-	2	2	LA, NESA
Arkansas	-	-	1	-	-	-	-	1	LA
California	-	-	2	3	1	1	1	5	LA
Colorado State U	1	2	-	1	1	1	3	6	NESA, AFR
Connecticut	-	1	-	-	-	-	1	1	AFR
Cornell	-	-	2	1	-	-	1	5	FE
Florida U	-	1	1	-	-	-	1	1	LA
Georgia U	-	-	2	-	-	-	2	2	FE
Hawaii	-	-	1	-	-	-	1	1	FE
Idaho U	-	-	1	-	-	1	1	1	FE
Illinois	1	2	-	-	-	-	1	1	LA
Iowa State	1	1	-	-	-	1	3	4	AFR, NESA
Kansas State U	1	1	-	-	-	-	2	2	LA
Kentucky	1	-	1	-	1	-	2	3	NESA, AFR
Massachusetts U	-	1	1	1	1	-	2	2	FE, LA
Michigan State U	1	1	2	3	-	-	2	3	FE, AFR
Mississippi State U	-	1	-	-	-	2	3	3	FE, LA
Missouri	1	-	-	-	-	-	1	1	LA
Montana State U	-	-	2	-	-	-	1	1	NESA
Nebraska	1	-	-	-	-	-	2	2	LA, NESA
New Mexico	-	1	-	-	-	-	1	1	NESA
North Carolina State	1	-	-	-	-	-	1	1	LA
Ohio State U	1	1	-	-	-	-	1	1	LA
Oklahoma State U	1	1	-	-	-	-	2	2	LA, NESA
Oregon State U	-	-	1	-	-	-	2	2	AFR, LA
U of Pennsylvania	-	-	1	-	-	-	1	1	FE
Purdue U	1	-	-	-	-	1	1	2	LA
State U of New York	-	-	2	-	-	-	1	1	LA
Tennessee	1	-	-	-	-	-	2	2	NESA, FE
Texas A & M	1	3	1	-	-	1	1	2	NESA
							5	5	LA, AFR, NESA

Footnotes are on page 2 of this table.

(continued)

Table 6 - (cont) UNIVERSITIES HAVING ONE OR MORE AID UNIVERSITY-CONTRACT RURAL DEVELOPMENT PROJECT

University	Rural Development			Other Fields (Active)			Countries		Regions ^{/4} (Rural Dev. only)
	Active		Expired	Agric.	Engr.	Other	Rural ^{/2} Dev.	All ^{/3} Fields	
	Pre-1962	1962-65							
			Number of Projects				Number		
Utah State U	-	-	1	-	-	1	1	2	NESA
Washington State U	1	-	-	-	-	-	1	1	NESA
West Virginia	-	5	-	-	-	-	4	4	AFR
U of Wisconsin	-	2	-	1	1	-	2	3	LA, AFR
Wyoming	1	1	-	-	-	-	2	2	NESA, AFR
TOTAL	16	26	23	10	5	10	38 ^{/5}	41 ^{/5}	

Source: Based on published and unpublished data supplied by A. I. D.

^{/1} See footnotes 1-3, Table 3.

^{/2} Includes both Active and Expired projects.

^{/3} Total number of countries in which specified university has current or expired rural development project contract and/or current contract(s) for project(s) in other fields.

^{/4} Refers to regions in which specified university has Active or Expired rural development project contract.

^{/5} Items do not add to total as some of the same universities have or have had projects in more than one of the three countries concerned.

Appendix D

Pertinent Documents Collected and Distributed
to the Principal Investigators

- Item 1: Documents relating to AID-university contracts
in rural development
 - A. Africa Region
 - B. NESR Region
 - C. Far East Region
 - D. Latin American Region

- Item 2: Especially pertinent general purpose reference
materials

Africa

DOCUMENTS ON RURAL DEVELOPMENT

PROJECTS IN AFRICA REGION

Active Projects

<u>Item*</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
E-1	Ethiopia	Oklahoma A & M	Haile Sellassie I University
E-1	Kenya	W. Virginia Univ.	Egerton Agriculture College
E-1	Kenya	W. Virginia Univ.	Min. Ed. - 5 Vo. Ag. Centers
E-1	Malawi	University of Mass.	Ag. Training Center near Lilongwe
E-1	E. Africa Regional	Colorado State Univ.	Vet. Faculty, University of E. Africa
E-1 Appendix B	Nigeria	Colorado State Univ.	Min. Ag. of Eastern Nigeria
E-1 Appendix B Pre-contact survey	Nigeria	Univ. of Wisconsin	University of Ife
E-1 Appendix E	Nigeria	Kansas State Univ.	Ahmadu Bello University
"Work Plan 1963- 64 - 1970-71" Progress Report- July, Dec. 1964	Nigeria	Michigan State Univ.	University of Nigeria & Gov. of E. Region
E-1 Appendix B	Sierra Leone	University of Illinois	Njala Teacher Training College

*Append. B = Appendix B of current contract; E-1 = Reproduction of project description section of FY 1966 Country Program Book supplied by AID/W; E-1 excerpts = abstract of most pertinent sections of E-1 from FY66CPB; Report = Periodic report on project progress or/and plans, normally by U.S. contract-university (e.g. Semi-annual Activity Report), special report prepared by an individual or survey team, End of Tour Report prepared by an individual team member etc.

<u>Item</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
Appendix B		Somal. Republic Univ. of Wyoming	Ministry Agriculture
E-1	Tanzania	W. Virginia Univ.	Agriculture College of Tanganyika
E-1	Tunisia	Texas A & M	Chott Maria Agriculture College
Appendix B			
Quarterly Report (4th quarter of 1964)			
End of Tour Report (Party Chief)			
E-1	Uganda	W. Virginia Univ.	Ag. College at Bukalasa & Arapai, Vet. Training Inst. at Entebbe
E-1	E. Africa Regional	W. Virginia Univ.	Makerere Ag. Faculty (Uganda)
E-1	Zambia	Univ. of Connecticut	Monze Ag. Training Center

Expired Projects - None

DOCUMENTS ON RURAL DEVELOPMENT

PROJECTS IN NESAS

Active Projects

<u>Item</u> *	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
Excerpts from E-1 Case History Semi-Annual Report- Jul. 1964-Dec. 1965	Afganistan	Univ. of Wyoming	Kabul Univ. Faculty of Agriculture
Excerpts from E-1	India	Univ. of Illinois Univ. of Illinois Ohio State Univ. Ohio State Univ. Univ. of Missouri Kansas State Univ. Univ. of Tennessee	U. P. Agricultural University Jawaharlal Nehru Agricultural University Punjab Agricultural University University of Udaipur Orissa Univ. of Agriculture & Technology Andhra Pradesh Agricultural University University of Agricultural Sciences
Executive Hand- book with attach- ments	India	General	General
Baker Report	India	General	General
Appendix B Case History	India	Univ. of Illinois	Uttar Pradesh Agricultural University
Eight Years in India	India	Kansas State Univ.	Madhya Pradesh
Case History Completion Report	Iran	Utah State Univ.	Karaj. College of Agriculture et al
Excerpts from E-1	Jordan	Univ. of Illinois	Ministry of Agriculture
Excerpts from E-1 Case History	Pakistan	Washington State U.	West Pakistan Agriculture University
PIO/T Pro Ag	Pakistan	Texas A & M	East Pakistan Agriculture University
Excerpts from E-1			

<u>Item</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
Excerpts from E-1	Pakistan	Colorado State Univ.	Pehawar University
E-1 Case History	Turkey	Univ. of Nebraska	Ataturk University

Expired Projects

Scope statement and notes for following:

Iran	Utah State Univ.	Ministry of Agriculture & Karaj College
Iraq	Univ. of Arizona	Ag. College at Aba Ghraib
Israel	State Univ. of N.Y.	Gov. of Israel & Hebrew University
Jordan	Montana State College	Ministry of Agriculture & Natural Resources

*Append. B = Appendix B of current contract; E-1 - Reproduction of project description section of FY 1966 Country Program Book supplied by AID/W; E-1 excerpts = abstract of most pertinent sections of E-1 from FY66CPB; Report = Periodic report on project progress or/and plans, normally by U.S. contract-university (e.g. Semi-annual Activity Report), special report prepared by an individual or survey team, End of Tour Report prepared by an individual team member etc.; Case History = total project-life analysis of selected projects prepared by respective NEBA missions in 1963.

DOCUMENTS ON RURAL DEVELOPMENT

PROJECTS IN FAR EAST REGION

Active Projects

<u>Item*</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
Excerpts from E-1 Progress Report Contract	Thailand	University of Hawaii	Kasetsart University
Appendix B	Indonesia	Univ. of Kentucky	University of Indonesia at Bogor
E-1 excerpts Part of a contract	Philippines	State Univ. of N.Y.	Univ. of Philippines, College of Forestry

Expired Projects

Scope statements from contract and notes for following:

Cambodia	University of Georgia	National College of Ag. Animal Husbandry & Forestry
Japan	University of Mass.	Hokkaido University
Philippines	Cornell University	Los Banos Ag. College, Univ. of Philippines
Philippines	Cornell University	College of Forestry, Univ. of Philippines
Taiwan	Michigan State Univ.	National Taiwan University & Provincial Chung Hsing University
Thailand	Oregon State Univ.	Kasetsart University, College of Agriculture
Vietnam	University of Georgia	National College of Ag. Animal Husbandry & Forestry

*Append. B = Appendix B of current contract; E-1 = Reproduction of project description section of FY 1966 Country Program Book supplied by AID/W; E-1 excerpts = abstract of most pertinent sections of E-1 from FY66CPB; Report = Periodic report on project progress or/and plans, normally by U.S. contract-university (e.g. Semi-annual Activity Report), special report prepared by an individual or survey team, End of Tour Report prepared by an individual team member etc.

DOCUMENTS ON RURAL DEVELOPMENT

PROJECTS IN LATIN AMERICA

Active Projects

<u>Item*</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
Appendix B PIO/T	Argentina	Texas A & M	National Institute of Ag. Technology
Appendix B PIO/T	Argentina	Michigan State	Balcarce College et al
Appendix B	Brazil	Univ. of Wisconsin	Univ. of Rio Grande do Sul
Appendix B	Brazil	Ohio State Univ.	Ag. College of the Univ. of Sao Paulo
Appendix B	Brazil	Univ. of Arizona	University of Ceara, Fortaleza
Appendix B	Brazil	Mississippi St. Univ.	Brazil Ministry of Ag. (seed improvement)
Martin Paper PIO/T	Brazil	Purdue University	Rural Univ. of Minas Gerais
Excerpts from E-1	Costa Rica	University of Florida	Univ. of Costa Rica, School of Agriculture
Excerpts from Append. B	ROCAP	Oklahoma A & M	University of San Carlos (Guatemala)
Original ACIPA con- tract Appendix B from 1960 contract Excerpts from E-1	Peru	N. Carolina State	Ministry of Agriculture

*Append. B - Appendix B of current contract; E-1 = Reproduction of project description section of FY 1966 Country Program Book supplied by AID/W; E-1 excerpts = abstract of most pertinent sections of E-1 from FY66CPE; Report = Periodic report on project progress or/and plans, normally by U.S. contract-university (e.g. Semi-annual Activity Report), special report prepared by an individual or survey team, End of Tour Report prepared by an individual team member etc.

Active Projects (cont.)

<u>Item</u>	<u>Country</u>	<u>U.S. University</u>	<u>Host Institution</u>
E-1 excerpts	Peru	Iowa State Univ.	Natural Resources and Agrarian Reform Organizations (Ministry of Agriculture)
Appendix B	Paraguay	New Mexico State Univ.	College of Ag. and Veterinary Science of the National Univ. of Paraguay
Appendix B PIO/T excerpts	Uruguay	Iowa State Univ.	Faculty of Agronomy Universidad de la Republica Oriental Del Uruguay et al

Expired Projects

Scope statement from contract and notes for following:

Chile	Univ. of California	DTICA & Colleges of Agriculture
Chile	Univ. of California	Plan Chillan Univ. of Concepcion.
Colombia	Michigan State College	2 National Univ. of Colombia
Costa Rica	Univ. of Florida	Servicio & Ministry of Agriculture (Research)
Ecuador	University of Idaho	Univ. of Quito & Guayaquil
Guatemala	Univ. of Kentucky	Universidad de San Carlos
Mexico	Univ. of Pennsylvania	Cattle diseases, research & training
Mexico	Texas A & M	Escuela Superior de Agricultura
Panama	Univ. of Arkansas	Total Agricultural Program

Especially Pertinent General Purpose Reference Materials
for CIC-AID Rural Development Research Project

- | <u>Item No.</u> | <u>Title</u> |
|-----------------|--|
| 1. | AIDTO CIRC KA 1289 Informing concerned AID Missions of CIC-AID Project and requesting suggestions. |
| 2. | Listing of Ford Foundation Overseas Development Projects in Agriculture Involving US Universities As Backstopping Institutions (Prepared by Ford Foundation) |
| 3. | AID Participant Evaluation Questionnaire |
| 4. | Biographical Summary schedule and sample contracts being used in Syracuse University study "The Administration of Technical Assistance with Special Reference to Agriculture." |
| 5. | "AID Research Program in Agriculture and Rural Development" FY62-67 (Office of Technical Cooperation and Research, AID). |
| 6. | "Proceedings of the Conference on International Rural Development July 27-28, 1964" (AID-USDA-NASULGC co-sponsors). |
| 7. | Summary of Recommendations of the July 27-28, 1964 Conference on International Rural Development (Prepared by AID/W). |
| 8. | "AID and the Universities" (Gardner Report) |
| 9. | "Task Force on AID-University Relations - Research Supplement" (Education and World Affairs). |
| 10. | SI212 89th Congress First Session (McGovern Bill) |
| 11. | "Factors Associated With Differences and Changes in Agricultural Production in Economically Underdeveloped Countries - A General Overview of Study (Economic Research Service, USDA). |
| 12. | "Policies For Promoting Agricultural Development - Report of a Conference on Productivity and Innovation in Agriculture in the Underdeveloped Countries" (MIT Center for International Studies). |

- | <u>Item No.</u> | <u>Title</u> |
|-----------------|--|
| 13. | Summary Statements on AID Research Projects in Agriculture and Rural Development (14 pages) (Prepared by respective Project Directors for AID - sponsored meeting of Research Project Directors June 17-18, 1965). |
| 14. | "Resource Book For Rural Universities in the Developing Countries" (E. W. Hannah, University of Illinois) |
| 15. | "The Role of Agricultural Experiment Stations of the North Central Region in International Development" (Report of discussions held at north central meeting of NCR-50 held March 12-13, 1965 in Chicago, Illinois) |
| 16. | <p>Papers from Cornell Workshop on Agricultural Programs of American Universities</p> <ul style="list-style-type: none"> Participant Lists and Agenda Role and Significance of University Contracts With Team Approach (Gardner) Undergraduate and Graduate Education of American Students... (Dickerson) Undergraduate Training Programs for Americans Interested in Careers in International Agriculture (Little) The Role and Significance of the University Consortium in Overseas Programs (Elton Johnson) A Proposal For a Foreign Service Faculty Centered in the College of Agriculture of the University of California (Hardin) Initiating and Administering International Research (Blackmore) Plan for a Master of Science Degree in International Agricultural Development |

Appendix E

Report on Certain On-Going A. I. D. -Supported Projects Related to the CIC-AID Rural Development Research Project

1. Syracuse University Project: An investigation into the administration of technical assistance with special reference to agriculture.
2. Inter-University Research Program in Institution Building: A cooperative endeavor of Indiana University, Michigan State University, the University of Pittsburgh, and Syracuse University.

1. Conference with Julian Friedman, Maxwell School of Citizenship and Public Affairs, Syracuse University, on July 27, 1965. Professor Friedman is the alternate member from Syracuse University of the Executive Board of the Inter-University Research Program in Institutions Building. The four cooperating institutions are: International Development Research Center, Indiana University; Office of the Dean of International Programs, Michigan State University; The Graduate School of Public and International Affairs, University of Pittsburgh; and the Maxwell School of Citizenship and Public Affairs, Syracuse University.

Professor Friedman is the acting head of the Syracuse segment of this inter-university project. He explained that workers at the University of Pittsburgh initiated the new cooperative undertaking which focuses upon the developing social and political institutions in the new nations now receiving technical assistance from abroad. It is recognized that various new institutions will be required if any considerable advance in technology can be achieved in these developing nations. All four universities are making case studies in particular countries. They hope to answer such questions as, "How permanent, and how well adapted to the local conditions are the new institutions that have begun to function? Are they well accepted by those who are most familiar with them?"

Originally Lindeman and Cleveland studied the transfer of western institutions to new nations. The present studies consider how well these new institutions have become rooted in the local environments, and have built acceptance and stability. The studies will be in considerable part self analyses insofar as the AID and the field staff engaged in the host countries, that have been associated by these four universities, will share in securing the needed data and information. The focus will be on leadership, doctrine, program, resources, and internal structure.

The University of Pittsburgh has prepared, for the joint use of the four universities, a bibliography of the pertinent literature. Pittsburgh has also worked out plans for bringing together those going abroad from the four universities, in advance of their departure, for intensive instruction in "how-to-do-it" as regards the coordination of the objectives and procedures of the four institutions. Sam Katz, of Pittsburgh, is an agricultural economist with Latin American experience. He is one of the directors of the consortium, and undoubtedly will be interested in many aspects of the CIC land grant college study of rural reform.

Funds to support the research by the four university consortium came from two main sources. The Ford Foundation granted \$400,000 for a study to last not to exceed 30 months. This money can be distributed as needed among the four universities, or to sub-contractors selected by the consortium. AID granted \$160,000 to be divided between the four universities to study certain overseas colleges with which these universities have separately been associated.

Michigan State University has been helping a college of education at Nsukka in Eastern Nigeria. This is part of a land grant type of university, and newly created. The staff and faculty will study only the School of Education. Glenn Taggart is the Chancellor. The CIC-AID project will not plan to do field work on rural development research in Nigeria.

Syracuse University for four years has, jointly with the Administrative Staff College, Henley, England, assisted the Pakistan government in developing a civil service staff college at Lahore. The institution at Henley, England, gives training to British persons who have been selected for employment abroad in the civil service.

or other type administrative duties. The Pakistan government is developing a similar institution at Lahore. The new study is now on the drawing board, and not yet in operation. Guthrie Burkhead will be the director.

The University of Indiana has been assisting a public administration school in Thailand, and will make its new studies there.

The University of Pittsburgh has been concerned with the entire complex of higher education institutions in Ecuador. Their field work will be done in the South American nations.

2. Conferences with Richard L. Duncan, associate project director, Technical Assistance Research Project, Maxwell Graduate School of Citizenship, and Public Affairs, Syracuse University, July 28, 29, and 30, 1965.

"The principal objective of this project is to appraise practices in the administration of technical assistance by AID, UN agencies, Foundations, other donor agencies, and the recipient countries themselves; and to define administrative strengths and weaknesses. After analysis of the factors, specific and feasible administrative changes will be recommended to AID. The final report from the project is scheduled for January 31, 1966.", as stated by John Lindeman, Project Director, in a paper presented to meeting of agricultural research directors, Washington, D.C. June 17-18, 1965.

The attached page shows by major divisions the Relation of Research Activity to Functional Fields of Analysis, as regards the sub-projects or areas of activity of this Syracuse study. It will be noted the major areas of study include: 1) personnel, 2) techniques of administration, 3) donor-recipient relations, 4) role of the field missions, 5) other donors, and 6) "ecology" of technical assistance.

At the time of my conference, I had opportunity to read preliminary drafts of the four reports indicated by asterisks, and also an additional one entitled Scientific and Technical Aid In Agriculture, by David Curzon, June, 1965. I also discussed with Ray Lewis his study (II Ch) the Phase-Out Problem. Mr. Lewis accompanied me to my conference with Dean H. L. Shirley, of the New York State School of Forestry at Syracuse University, who told me about the cancellation of the AID contract in which this New York School of Forestry was engaged in giving technical aid to the Philippines School of Forestry at Los Benos.

Mr. Robert W. Iverson, who is the leader of the study, Personnel For Technical Assistance, participated in several of my discussions with Mr. Duncan. The preliminary draft of the report, The Programming of Technical Assistance: Interim Report and Recommendations, by Mr. Duncan, was also made available to me, and was the topic of part of our discussion.

Examination of the attached page listing the various activities under the Technical Aid Study by Syracuse, indicates the scope of the research as an across the board examination of the purposes and scope of the technical assistance in agriculture projects receiving funds from AID, the UN agencies, foundations, etc. It is a world-wide study. If any important aspects of these past and current AID projects in agriculture have been omitted, it has not been intentional.

The data and information covered by the project include all documents in the AID headquarters in Washington, and over a hundred interviews with AID and university personnel in missions abroad, and those no longer engaged in technical assistance who are now here in U.S. A substantial number of books, reports, manuscripts and other reference materials have been assembled in the library of the Technical Assistance

Research Project Headquarters on the Syracuse Campus.

Both Duncan and Iversen have found especially useful in their respective studies on: (a) program planning; and (b) personnel, the typed and duplicated special reports in the files of AID in Washington. There are quantities of these which have not been previously summarized, evaluated, and their implications made public. Especially valuable and not otherwise available, are copies of invitation papers delivered at Johns Hopkins University, four or five years ago, by AID officials who had been authorized to participate in an important conference on the implementations of foreign aid. The AID/Washington files also include some excellent lists of summary reports together with comments and evaluations by AID officers. Also in the AID files are subject matter materials related to technical aid, and catalogued by lines of work, and by recipient countries.

Especially useful Duncan and Iversen said was the information secured in personal conferences with AID administrators and specialists overseas, and in Washington. Perhaps the most productive source was the interviewing of technicians or specialists no longer employed by AID, and hence now free of the restraint of their previous bureaucratic obligations. They emphasized the importance, early in these interviews, of giving convincing assurances those being interviewed will never be personally identified in any way with the particular or specific information they supply during the confidential interviews.

Particularly interesting and enlightening have been interviews held by Mr. Duncan with distinguished persons who in previous years held high positions in the administration of the American foreign aid programs, including not only AID, but also the agencies preceding AID.

Mr. Iversen found useful the contents of the L.G. University-AID files in Washington. These he checked against corresponding files in representative Land Grant universities dealing with the same contracts. There are quantities of documents to examine, and much will have minor usefulness, but all through the material will be found items, incidental comments, and unexpected statements, which disclose pertinent facts, and/or throw new light on issues that previously may not have been understandable, or gave little indication of their real significance.

Comments by Congressmen, in hearings as well as on the House or Senate floors, committee reports, changes in the legislative authorization, etc., have helped to explain changes in program contents, procedures, and emphasis in the AID contracts. There are often many possible explanations for unsatisfactory achievements, and for issues that have been in controversy.

Iversen and Duncan believe documents and reports will disclose much material of historical value, but it will often be found necessary to depend very largely on the confidential interviews to learn "why" certain actions were, or were not, taken. The same is true for evaluations of results obtained under a specific contract.

ADMINISTRATION OF TECHNICAL ASSISTANCE
Relation of Research Activity to Functional Fields of Analysis

Research Activity as of June 1, 1965	Personnel	Techniques of Administration	Donor-Recipient Relations	Role of the Field Missions	Other Donors	"Ecology" of T. A.
<u>II. Drafts Completed:</u>						
* (a) Iversen: Personnel	X					
(b) Adler: Careers in T. A.	X			X	X	
(c) Lindeman & Kubert: Scope and Magnitude of T. A.						X
(d) White: UN Administration of T. A.		X				
(e) White: UN Resolutions & Repts. Evaluation of Adm.		X	X	X	X	X
(f) Shafer: Servicios		X	X	X		X
(g) Sufrin: Management		X	X			X
(h) Hart: 3rd Culture Problem; Philippines		X	X			X
* (i) Gorvine: U. of Neb. contract; Turkey		X	X	X		
* (j) Gorvine: Revelle Report; Pakistan	X		X			X
(k) Kubert: T. A. Administration by 15 Foreign Donors	X	X	X	X	X	X
<u>III. Drafts Forthcoming:</u>						
* (a) Duncan: Programming		X				
(b) Adler: Personnel Statistics; T. A.	X			X		X
(c) Martin: Administration as seen from the Field	X	X	X	X		X
(d) Laska: Programming, Ag. Educ.	X		X	X		X
(e) McDiarmid: Description of T. A. in Ag. Education	X	X		X	X	
(f) Safa: Community Dev. & Ag. Extension	X	X	X			X
(g) Wasserman: T. A. by Private Industry (fertilizer, etc.)		X			X	X
(h) Lewis: The Phase-out Problem		X	X			
(i) Unger: Adm. of T. A. in Czechoslovakia & Hungary		X		X	X	
(j) Lindeman: T. A. in Perspective		X	X		X	X
<u>III. Internal Memoranda & Systematization of Data</u>	X	X	X	X	X	X

* Preliminary drafts of study report examined by Noble Clark.