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ECONOMIC GROWTH CENTER

Interim Report to the Agency for International Development

CSD-2492: July - December 1971

I. PROGRESS TO DATE

A. Papers Prepared and Distributed to AID

(See Appendix A attached)

B. Seminars and Workshops

On November 26 and 27, Growth Center staff engaged in research under this contract, other members of the Growth Center, and visitors from outside institutions met at the Center for a two-day conference on problems of employment and unemployment. The agenda, based on contract categories, and the participants follow.

<u>Participants</u>	<u>Subject</u>
Hugh Patrick, Chairman, Asia	
John Fei	Taiwan
Gustav Ranis	Korea
Ronald Soligo	Pakistan
Carlos Diaz Alejandro, Chairman, Latin America	
Werner Baer	Brazil
Albert Berry	Colombia
Markos Mamalakis	Chile
Lloyd Reynolds, Chairman, Africa	
Richard Brecher	Ghana
James McCabe	Congo (Zaire)
Howard Pack	Kenya
Benjamin Cohen, Chairman, Sector Intensive Studies	
Carlos Diaz Alejandro	Cement Industries

<u>Participants (continued)</u>	<u>Subject (continued)</u>
Robert Evenson	Agriculture
Howard Pack	Industry
Albert Berry, Chairman, Functional Studies	
Richard Nelson	Technology Gap
Richard Weisskoff	Income Distribution

Selected papers emanating from the conference (see Appendix A attached) were distributed to interested AID personnel and, on November 29, a review and update of the project was held at the State Department where the following Center staff conducted seminars:

Gustav Ranis - Review of Progress
Albert Berry - Colombia Country Study
Robert Evenson - Technical Change in Agriculture

Growth Center seminars dealing with general problems of development and often tied to related problems of employment and income distribution were continued on a regular basis, open to Yale faculty, research staff, students and visitors with professional interest in these areas.

Speakers for this series, including Yale and Non-Yale personnel, and their topics were as follows:

Robert Evenson and Yoav Kislev	"A Mathematical Model of Technological Research Activity"
James McCabe	"Optimal Growth and the Distribution of Income and Capital"
Lim Chong Yah, University of Singapore	"Economic Development in Southeast Asia"
Louis T. Wells, Jr., Harvard Business School	"Joint Ventures of the Multinational Enterprise in Developing Countries"
Jorge Arrate, Copper Corporation of Chile	"Chile Today: Some Economic Insights"
Hugh Patrick	"Japanese-American Insights"

C. Changes in Approach

No Change

D. Staffing Progress

1. Country and Comparative Studies:

Effective July 1, James McCabe and Richard Brecher joined the project staff to undertake studies of Zaire and Ghana respectively. On that same date other investigators, previously assigned but inactive, commenced their research as follows: Werner Baer for Brazil, Howard Pack for East Africa (Kenya) and Ronald Soligo for (West) Pakistan.

2. Sectoral and Functional Studies:

No Change

E. Difficulties Experienced

1. Data Collection:

The scheduled study of Pakistan continued to encounter problems in the wake of the spring hostilities; field trips to the country were still not feasible and data sources were scattered. It was eventually decided to forego the broad East/West Pakistan studies originally scheduled in favor of a more limited investigation of West Pakistan based on data available in the U.S.

2. Administrative Problems:

No Change

3. Funding Problems:

No Change

4. Methodological Problems:

No Change

II. SUBSTANTIVE PROGRESS

A. Country and Comparative Studies

and

B. Sectoral and Functional Studies

Progress and findings in both these categories have been reported frequently and in depth to AID through both the printed papers released regularly (see Appendix A) and the semi-annual conferences and seminars which are now standard activities under the contract. In addition, in October 1971, the program officer (John Eriksson, PPC/PDA) was provided with multiple copies of a "Summary of Publications" containing abstracts of all Growth Center Papers released to date under the contract. The abstracts were intended for transmittal to pertinent Missions in order to update their knowledge of the literature and stimulate further exchange between them and the project staff.

III. FUTURE COURSES OF ACTION

A. New Phases or Fields of Research

No Change

B. Proposed Reports and Meetings

Following the conferences and seminars of November 26-29, it was agreed that a similar program would be scheduled in late spring before investigators departed for the field, at which time discussion of recently developed insights would lead to consideration of detailed programs for the ensuing months.

C. Application of New or Additional Research Techniques

No Change

D. Changes in Personnel

Effective September 1971, Professors Hugh Patrick and Marsha Goldfarb terminated their participation in the program. Professors Gustav Ranis and Robert Evenson continued their research while on leave from the University. Professor Lloyd G. Reynolds assumed the office of Acting Director of the Center and Principal Investigator for this contract in Mr. Ranis's absence.

E. Contract Schedule

Levels of activity were generally consistent with the commitments established in Amendment 3 dated July 1, 1971. This amendment formalized the addition of one country study (Zaire) to the original eight and extended the term of the contract by one year (to July 1974) in recognition of the increase in scope and the temporary delays encountered earlier in scheduling field trips for some of the country studies.

Fiscal reports indicating actual expenditures in each quarter were submitted as required to the office of John Melty/PPC. For the period July - December 1971, actual expenditures totalled \$136,189 against a projected firm budget of \$177,148, the shortfall due largely to modest savings in each of the salary categories (relating to academic leaves) in conjunction with related fringe benefit and overhead assessments.

A line item summary will be submitted at the end of the fiscal year.

Appendix A

ECONOMIC GROWTH CENTER

Employment Studies Publications

CSD-2492: July - December 1971

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<u>Discussion Papers</u>	<u>Author</u>
116. "Industrial Sector Labor Absorption," July 1971	Gustav Ranis
124. "Investment in Agricultural Research and Extension: A Study of International Data," August 1971	Robert Evenson and Yoav Kislev
125. "The Role of the Industrial Sector in Korea's Transition to Economic Maturity," August 1971	Gustav Ranis
 <u>Conference Papers</u>	
"Employment, Unemployment and Growth: A Tentative Synthesis of EGC Research," November 1971	Gustav Ranis
"Factor Intensity of Consumption Patterns in West Pakistan," November 1971	Ronald Soligo
"Growth and Employment in South Korea and Taiwan," November 1971	J.C.H. Fei and Gustav Ranis
"Employment and Unemployment Dimensions of Production, Distribution and Allocation in Chile," November 1971	Markos Mamalakis
"Employment and Industrial Growth -- Some Cross-Section Results: 1953-63," November 1971	Howard Pack
"Employment in Indian Agriculture," November 1971	Robert Evenson
"Disguised vs. Open Unemployment: A Trade-off," November 1971	Richard Brecher
"Employment in the Congo: A Preliminary Investigation" November 1971	James McCabe
"The Transfer of Technology and Labor Absorption in Brazil," November 1971	Werner Baer and Jose Almeida
"Unemployment as a Social Problem in Urban Colombia: Some Preliminary Hypotheses and Interpretations," November 1971	Albert Berry
 <u>Other Papers</u>	
"Employment and Income Distribution in Developing Countries," September 1971	Gustav Ranis