

Agenda for AS Directors' Meetings

July 25-28, 1966

The purpose of the meetings will be to permit field directors to exchange information on program development and to signal new opportunities that AS ought to consider to contribute rapidly and effectively to the conquest of hunger. We are expecting to devote no more than one half of scheduled time introducing each topic; at least one half should be saved for discussion.

MONDAY, July 25

- 9:30 SW: Introduction
- 10:15 RFC: IRRI and developing national rice programs
- 11:00 Break
- 11:15 EJW: Organization, facilities, and program of CIMMYT
- 11:30 RDO: International Corn Improvement Program
- 12:00 NEB: International Wheat Improvement Program
- 12:30 Lunch - Richard Keigley, Haskins and Sells: Tax problems of overseas staff
- 2:30 JSN: Inter-American Potato Improvement Project
- 2:50 WMM: International Institute of Tropical Agriculture
- 3:30 Adjourn
- 7:00 Cocktails, SW's house, followed by dinner at the Showboat, Greenwich, Connecticut, for RF staff and wives. Limousine service from New York.

TUESDAY, July 26

- 9:30 UJG: New developments in Colombia
- 10:30 JWG: The INIAP program
- 11:00 Break
- 11:15 RWC: The Indian Agricultural Program

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TUESDAY, July 26 (Continued)

12:00 EWS: The program proposed for Thailand

12:30 Lunch - KW: Administrative policies

2:30 JJM:
& Developments in Africa
OS:

3:15 LMR:
& Current interests in Latin America
RWR:

3:45 RWR: Arid lands, career staff needs in international research programs,
nonconventional agriculture, and environmental sciences

4:30 Adjourn

6:30 Cocktails and dinner, RF Officers' Lounge, wives included. A number of
Ford Foundation officers will be guests. Remarks: Dr. J. G. Harrar.

WEDNESDAY, July 27

9:30 JAP: Developments in animal sciences

10:30 SW: Sorghum and millets. Future interests of RF.

11:00 Break

11:15 LMR: The proposed tropical institute for Latin America

11:45 JEB: Economics program of HSS

12:30 Lunch - RKD: Overview of the University Development Program

2:30 Scholarship program: Review of policies

3:00 New staff and recruitment, program needs

3:30 HH: Retirement plan

THURSDAY, July 28

9:30 Overflow discussion. Annual Report.

12:30 Group luncheons

2:30 Recapitulations and summaries

Memorandum

A discussion of various matters related to the development of an electronic calculating machine, together with some notes on the current program to develop such a machine in the Center of Analysis, MIT.

I. Introduction

Over a period of some twenty years, the Institute has forged steadily ahead on a program of research, development, and construction in the general field of mechanized aids to computation. This program, while always benefitting from central administrative guidance, has not always been carried on by one single group, nor even under the auspices of one department, for the principal reason that each separate machine development was intended originally to render aid in the solving of a specific type of problem. The product integrator, the cinema integrator, the simultaneous calculator, to mention only a few machines, were constructed in this way. Although all of them contributed in a major sense to the advancement of the general art, these machines are all characterized by restrictions either of a mathematical or of a structural nature which make it difficult, if not impossible, to extend their usefulness beyond the region in which they were designed to operate. This comment is in no way intended as adverse criticism of the machines as such, but it is intended to indicate that the approach to the general problem of machine computation should be along lines that presume as little as possible as to the specific nature of the problems to be solved.

The development of the differential analyzer, which came as an outgrowth of product integrator research, has been able to proceed much farther toward the goal of the generalized calculating machine because of the much greater mathematical generality of its operation. In the design and building of our second differential analyzer, a great deal of care was exercised to insure that no artificial restrictions were incorporated in