

DEMONSTRATIONS AND TOURS

I. Laboratory — Coordinator, R. Pierre.

1. Cytology of self-incompatibility in *Ipomoea* spp.
(D. B. Williams and F. W. Cope).
2. Crop Protection.
 - (i) Macroscopic symptoms, and
 - (ii) Photomicrographs of disease causing organisms and cultures, of some root crop diseases.
(E. Iton and R. Pierre)
 - (iii) Life cycles and damage of some root crops.
(S. Parasram).
3. Physiology (J. A. Spence and L. A. Wilson).
 - (i) Demonstrations of rooted sweet potato leaves.
 - (ii) A simple system of sand culture for nutrient studies.
 - (iii) Reciprocal grafts of sweet potato cultivars.
4. Feeding trials with rats on rations containing mixtures of dehydrated root crops. (H. Jeffers).
5. Anthocyan Evaluation — Demonstration of Chemical Assay of anthocyanin pigments in sweet potato tubers. (C. E. Seaforth).

II. Library

This display featured selections from the available material on tropical root crops and included books, pamphlets, journals and reprints. A bibliography of selected material accompanied the display. (Mrs. A. Jordan and Miss S. Evelyn).

III. Computer

1. Film (D. J. Rogers).
2. Some uses of the 1620 computer in agricultural investigations.
(D. B. Ainscough).

IV. Field Visit to Texaco Food Crops Demonstration Farm and the University Field Station

Coordinator, B. T. Stephanson.

Texaco Food Crops Demonstration Farm

1. Development of mechanised root crop production.
(B. T. Stephanson, P. H. Haynes and Tractors & Machinery (Trinidad) Ltd.)
2. Root Crops grown on the farm. (P. H. Haynes).
3. 'Irish' Potato Variety Trial. (P. H. Haynes).

University Field Station

- 1 'Irish' Potato Agronomy. (R. W. Radley).
- 2 (i) Range of Yam cultivars.
- 3 Crop protection chemicals and their application.

Tour A. Some Land Use Patterns in Trinidad.

Led by C. Brown and P. H. Haynes.

This tour was designed to introduce participants to the range of agricultural environment in Trinidad and to indicate the broad patterns of its exploration.

- (a) Intensive Vegetable Production by small holders.
Aranguez Estates — A. MacMillan
- (b) Intensive Vegetable Production on large scale
Trincity — P. Richards
- (c) Land Settlement
Waller Field — E. J. Hamilton
- (d) Forestry
Valencia, Long Stretch — H. Murray
- (e) Citrus and Cocoa
El Reposo — E. J. Hamilton
- (f) Coconuts and Beef Cattle
Nariva-Cocal — G. Bovell

Return via Brigand Hill — panoramic view of Nariva Swamp.

Tour B. Tobago.

This tour was non-technical and was devoted to sight-seeing and sea-bathing in Tobago.