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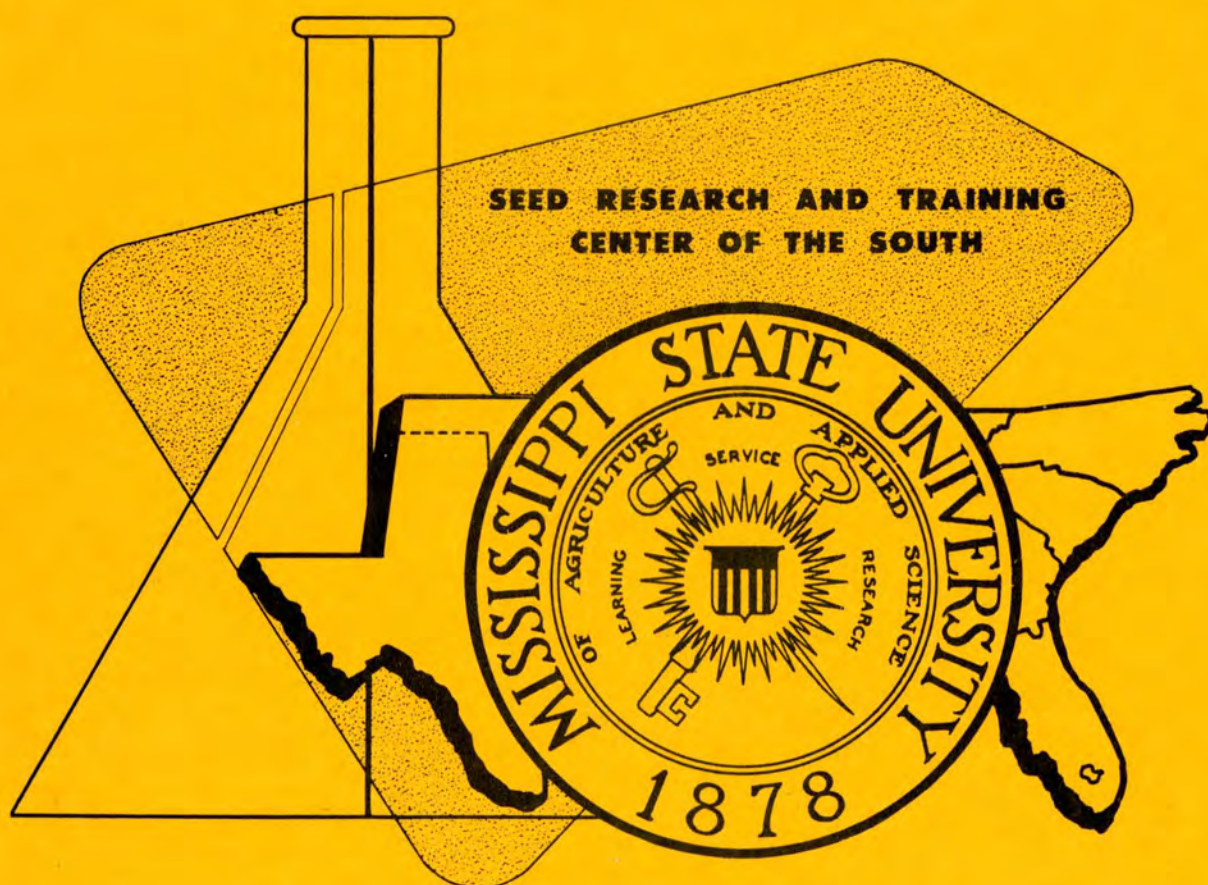
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Proceedings
1964 SHORT COURSE
for
SEEDSMEN



APRIL 27-30, 1964
SEED TECHNOLOGY LABORATORY
STATE COLLEGE **MISSISSIPPI**

Sponsored By The Mississippi Seedsmen's Association

PROCEEDINGS
SEEDSMEN'S SHORT COURSE
APRIL 27 - APRIL 30, 1964



Seed Technology Laboratory
Mississippi Agricultural Experiment Station
Mississippi State University
State College, Mississippi

COVER PHOTOGRAPH

TWIN TOWERS, home of the Seed Technology Laboratory and site of the annual Seedsmen's Short Course. Built in 1900 as a Textile Engineering Building, it later housed the Agricultural Engineering Department. At the present time the University Plant Maintenance Department and the Seed Technology Laboratory share the building.

This structure has become a landmark for seedsmen from all segments of the trade. In addition to the 2500 seedsmen and other interested persons who have attended Short Course Programs, over 50 students graduating from the Seed Technology Laboratory curriculum have made this old building their headquarters for study.

Some day this proud building will have to give way to one roomy enough to accomodate the expanding Seed Technology Laboratory. But for the present, interesting things are happening within these walls and inquisitive people are passing through her portals. It is hoped that her 3 foot walls and 12" x 16" pine beams continue to support the equipment and cosmopolitan traffic until she is finally retired.

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* Article prepared for Proceedings by person other than Program speaker.

CANDID
CAMERA
1964





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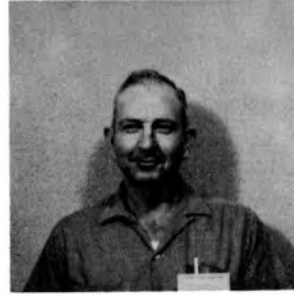
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STAFF
SEED TECHNOLOGY LABORATORY
STATE COLLEGE, MISSISSIPPI

1. Dr. C. Dale Hoover Head, Agronomy Department
2. Dr. James C. Delouche In Charge, Seed Technology Laboratory
3. C. Hunter Andrews...Assistant Agronomist and Manager Foundation Seeds
4. George M. Dougherty Assistant Agronomist
5. James D. Helmer Assistant Agronomist
6. Dumont Souleyrette Assistant Agronomist
7. T. Wayne Still Assistant Agronomist
8. G. Burns Welch Associate Agricultural Engineer
9. James M. Beck Engineering Technician
10. Dero Kinard Research Assistant
11. Travis Rushing Research Assistant
12. Kaye McCrory Laboratory Technician
13. William Haughton Technical Aide
14. Nonia Hurst Secretary
15. Faye Osborne Secretary

AID/M.S.U. - Brazil Contract

Campinas, Brazil

16. Dr. H. Dean Bunch Chief of Party
17. Charles E. Vaughan Assistant Agronomist



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GRADUATE
AND
UNDERGRADUATE STUDENTS

1. Lewis A. Busby Mississippi
2. Catherine Feng Free China
3. Lee E. Huey Illinois
4. James E. Johnson Mississippi
5. Mrs. Pil Ju Joo Korea
6. Parviz Maleki Iran
7. Paul R. Mezynski Michigan
8. Franklin Nichols Mississippi
9. Mrs. Mabel W. Raspet Mississippi
10. Kyle W. Rushing Kentucky
11. C. Allen Spragins, Jr. Mississippi
12. Ismu Sukanto Suwelo Indonesia

PROGRAM SCHEDULE

MONDAY, APRIL 27

- 8:00 - 12:00 REGISTRATION - SEED TECHNOLOGY LABORATORY
COFFEE, COKES, DOUGHNUTS - Furnished all week,
courtesy of equipment manufacturers and their representatives.
- 10:00 - 12:00 GUIDED TOURS OF NEW FACILITIES
Boll Weevil Research Laboratory
Raspet Flight Research Laboratory
- 10:00 - 12:00 MOVIES
- 1:30 - 2:15 WELCOME AND INTRODUCTIONS
- 2:15 - 2:45 FIRST THE SEED
James C. Delouche
- 2:45 - 3:00 MEN, SEED AND MACHINES
Charles E. Vaughan
- 3:00 - 3:30 COFFEE, COKES, DOUGHNUTS
- 3:30 - 5:00 Your Choice:
PROCESSING DEMONSTRATIONS
Continuous and simultaneous demonstrations of different
makes and models of air-screen cleaners, disc and
cylinder separators, gravity separators, electrostatic
separators, color sorters, elevators, seed treaters and
other equipment used in seed processing plants.

TESTING DEMONSTRATIONS
Germination tests - evaluation.
Special tests - fluorescence, phenol, vigor.
Discussion of problems.
- 6:30 - 7:30 Hospitality Hour, Courtesy Morton Chemical Company
(Panogen)
- 7:30 - 'til Barbecued Chicken Dinner - Entertainment
Courtesy of Mississippi Seed Improvement Association,
Mississippi Seedsmen's Association, and Seedsmen's
Short Course.

TUESDAY, APRIL 28

8:30 - 9:15	AIR AND SCREEN CLEANERS James Henderson
9:15 - 10:00	DIMENSIONAL SIZING EQUIPMENT George Durkot
10:00 - 10:30	COFFEE, COKES, AND DOUGHNUTS
10:30 - 11:15	GRAVITY SEPARATORS James Moore
11:15 - 12:00	MAGNETIC CLEANERS ROLL (DODDER) MILLS Henry Brummel
1:30 - 2:15	OTHER USEFUL EQUIPMENT Bill Gregg
2:15 - 3:00	THE TETRAZOLIUM TEST James C. Delouche
3:00 - 3:30	COFFEE, COKES, DOUGHNUTS
3:30 - 5:00	PROCESSING DEMONSTRATIONS
3:30 - 5:00	SEED TESTING METHODS

WEDNESDAY, APRIL 29

- 8:30 - 9:15 COLOR SORTERS
 Francis J. Mayer
- 8:30 - 9:15 ELECTROSTATIC SEPARATORS
 T. Wayne Still
- 9:15 - 10:00 SEED TREATMENT
 Earl D. Hansing
- 10:00 - 10:30 COFFEE, COKES, DOUGHNUTS
- 10:30 - 11:15 SEED DETERIORATION
 James C. Delouche
- 11:15 - 12:00 SEED STORAGE
 James D. Helmer
 Ernest N. May, Jr.
- 1:30 - 2:00 DRAWING FOR PRIZES
- 2:00 - 5:00 PROCESSING DEMONSTRATIONS
All equipment in operation.
Individual practice in operating machines if you wish.
Special attention to specific cleaning problems.
- 2:00 - 5:00 TETRAZOLIUM WORKSHOP
Learn the fundamentals or the fine points of
tetrazolium testing.
- 7:00 - 'til Mississippi Style Barbecue Courtesy of Sawan, Inc.

THURSDAY, APRIL 30

- | | |
|---------------|---|
| 8:30 - 9:15 | STRUCTURES FOR MODERN PLANTS
Earl W. Terrell |
| 9:15 - 10:00 | SAFETY IN PROCESSING PLANTS
Tom A. Adler |
| 10:00 - 10:30 | COFFEE, COKES, AND DOUGHNUTS |
| 10:30 - 11:15 | MATERIALS HANDLING
Richard Marsh |
| 11:15 - 12:00 | AUTOMATION
James Henderson |
| 1:30 - 3:00 | TWO SESSIONS FOR SOUTHERNERS
COTTONSEED AND COCKLEBURS
H. Dean Bunch
SOYBEANS
John W. McKie |
| 3:00 - 3:30 | COFFEE, COKES, AND DOUGHNUTS |
| 3:30 - 5:00 | THE WINDUP PERIOD
Discussions and equipment operation. |

DEMONSTRATIONS

The following industry representatives assisted in the various demonstrations of equipment and techniques for seed processing, conveying, treating and storage, but did not appear on the program.

W. S. Acheson	Gustafson Manufacturing Co.
Ira Anoot	Mandrel Industries
Robert Chapman	Mandrel Industries
Vergil Frevert	Crippen Manufacturing Co.
William D. Munroe	Oliver Manufacturing Co.
Don Ouzts	Wallace Equipment Co.
Vincent Palau	Mercator Corporation
Winston K. Pendleton	Universal Dynamics Corp.
T. C. Ryker.....	E. I. DuPont de Nemours Co.
Raymond P. Seven	Morton Chemical Co.
Norman Twisdale	Uveyor
Don Vanderveen	Sortex Company of North America
Bill Wallace	Wallace Equipment Co.
William L. Warren.....	Morton Chemical Co.