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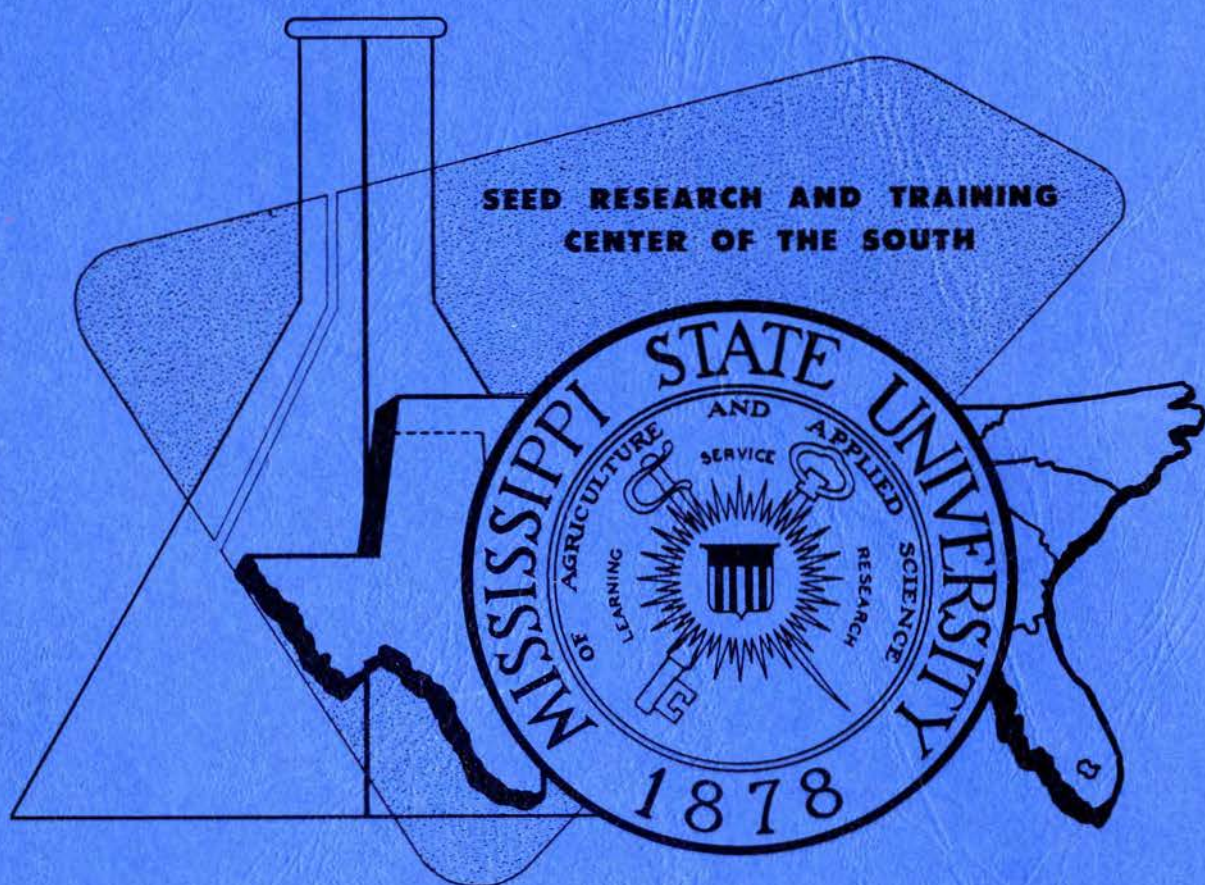
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Proceedings
1967 SHORT COURSE
for
SEEDSMEN



APRIL 10-13, 1967

SEED TECHNOLOGY LABORATORY

STATE COLLEGE

MISSISSIPPI

Sponsored By The Mississippi Seedsmen's Association

PROCEEDINGS
1967 Short Course for Seedsmen
April 10 - April 13, 1967



Seed Technology Laboratory
Mississippi State University
State College, Mississippi

A SUCCESSFUL SHORT COURSE
REQUIRES



A Wide-eyed Staff



An Exchange of Ideas



Demonstration of Principles



and their application



Effective Teaching



and Industry's Support

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PROGRAM

"UPGRADING OF SEED QUALITY"

MONDAY, APRIL 10

8:00

"Registration & Housing", Mr. Charles C. Baskin, Seed Technology Laboratory
Free Coffee, Cokes, and Doughnuts
furnished all week, courtesy of manufacturers and their representatives



10:00

"Tour of Unique Facilities, Dr. Ken Matthes, Seed Technology Laboratory
Boll Weevil Laboratory
Wood Products Utilization Laboratory
or
Movies of interest to the Seed Industry
Seed Technology-Auditorium



12:00

LUNCH

1:25

"Through Planned Programs"
Presiding: Dr. James C. Delouche

1:30

Welcomes and Introductions

2:00

"Upgrading Seed Quality-A Job for the Entire Seed Industry", Mr. Lloyd Arnold, Arnold-Thomas Seed Service, Fresno, California



3:00

Coffee, Cokes, and Doughnuts

3:30

"Equipment Demonstrations"
Manufacturers Representatives
or
"Crop Seed Identification", Mr. T. Wayne Still, Seed Technology Laboratory



7:00 Bar-B-Que Chicken Dinner
Entertainment
University Cafeteria
Courtesy of Mississippi Seed Improvement
Association
and
Mississippi Seedsmen's Association

TUESDAY, APRIL 11

8:25 "Through Better Processing"
Presiding: Mr. Bill Gregg



8:30 "Operate-Don't Just Run-Your Cleaners",
Mr. James Henderson, A. T. Ferrell Co.
Saginaw, Michigan

9:30 "Seed Surface Separations", Mr. Charles
Vaughan, Seed Technology Laboratory



10:00 Coffee, Cokes, and Doughnuts

10:30 "Dimensional Sizing Can Improve Quality",
Mr. George Dougherty, Seed Tech-
nology Laboratory



11:00 "Calibrated Treaters-Save Your Money",
Dr. Howard Potts, Seed Technology
Laboratory



11:30 "Potential Uses of Color Separators",
Mr. "Bill" Boyd, Seed Technology
Laboratory



12:00 LUNCH

1:25 "Through Automation"
Presiding: Mr. A. H. "Bill" Boyd



1:30 "Usable Controls for Existing Plants",
Mr. E. E. Brown, E. R. Brown
Instrument Company, Shreveport,
Louisiana



2:00 "Automatic Weighing, Packaging, and
Handling", Mr. Stanley Berg, Howe-
Richardson Scale Company, Clifton, New
Jersey

2:30 "Advantages and Problems of Partial Auto
mation", Mr. N. L. Pugh, Mill Superin-
tendent, Riverside Industries, Marks,
Mississippi



3:00 Coffee, Cokes, and Doughnuts

3:30 "Equipment Demonstrations",
Manufacturers Representatives
or
"Weed Seed Identification", Mr. Travis
Rushing, Seed Technology Laboratory



WEDNESDAY, APRIL 12

- 8:25 "Through Better Handling"
Presiding: Mr. George Dougherty
- 8:30 "Use and Mis-Use of Gravity Separators",
Mr. Bill Gregg, Seed Technology Lab-
oratory
- 10:00 Coffee, Cokes, and Doughnuts
- 10:30 "Seed Storage to Maintain Quality",
Dr. G. Burns Welch, Seed Technology
Laboratory
- 11:00 "Predicting Seed Storability", Dr. James
Helmer, Seed Technology Laboratory
- 11:30 "Mechanical Damage: Immediate and
Latent Effects on Seeds", Dr. James C.
Delouche, Seed Technology Laboratory
- 12:00 LUNCH
- 1:25 "Through Improved Tests"
Presiding: Mr. Charles Vaughan



1:30 "Seed Facts from Tetrazolium Testing",
Dr. R. P. Moore, North Carolina State
University, Raleigh, North Carolina



2:15 Door Prize Drawings

2:30 "Tetrazolium Workshop", Dr. R. P. Moore
and Dr. D. F. Grabe
or
"Equipment Demonstrations",
Manufacturers Representatives

7:00 Mississippi Style Barbeque
Courtesy of W. R. Grace & Company,
Sawan Division, Columbus, Mississippi

THURSDAY, APRIL 13

8:25 "Through Quality Control"
Presiding: Dr. Howard C. Potts

8:30 "Seed Quality Tests and Their Signifi-
cance", Dr. Don F. Grabe, Iowa State
University, Ames, Iowa



9:30 Self-evaluation Examination

10:00 Coffee, Cokes, and Doughnuts

10:30 "An Effective Quality Control Program",
Dr. C. D. Harrington, Asgrow Seed Co.,
Twin Falls, Idaho



11:30 Discussion of Examination, All Speakers



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12



13



14

STAFF LISTINGS

Supporting Staff

1. Faye Osborne . . . Secretary
2. Sydney Cook . . . Secretary
3. Alice Perkins . . . Laboratory Technician
4. Linda Jabri . . . Head Secretary
5. Diane Smith . . . Laboratory Technician
6. William Daniel . . . Research Assistant
7. Dero Kinard . . . Technical Assistant
8. Curtis Reed . . . Technical Aide
9. Jimmy Clardy . . . Technical Aide

Brazil Staff

10. H. Dean Bunch, Chief of Party . . . Rio de Janeiro
11. C. Hunter Andrews . . . Rio de Janeiro
12. Paul R. Mezynski . . . Salvador
13. Dumont A. Souleyrette . . . Recife
14. James M. Beck . . . Rio de Janeiro

Guatemala Staff

15. Billy S. Barnes, Chief of Party . . . Guatemala City



1



2



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Students

- | | | | | |
|------------------------|---|---|---|-------------|
| 1. N. S. Gill | . | . | . | India |
| 2. Carlos Herrera | . | . | . | Peru |
| 3. Noble Kearney | . | . | . | Mississippi |
| 4. Anastacio Mercado | . | . | . | Philippines |
| 5. Kyle Rushing | . | . | . | Kentucky |
| 6. P. D. Singh | . | . | . | India |
| 7. Prasoot Sittisroung | . | . | . | Thailand |

Not Pictured

- | | | | | |
|--------------------|---|---|---|-------------|
| 8. Hamid Benhalima | . | . | . | Morocco |
| 9. Walter Green | . | . | . | Mississippi |
| 10. Hugh Maxey | . | . | . | Mississippi |
| 11. Charles Sibley | . | . | . | Mississippi |

SEED PROCESSING AND HANDLING

Handbook No.1

March 1967

The background for this page depicts the front cover of the recently completed Handbook No. 1 "Seed Processing and Handling". This 295 page, illustrated book includes the basic information used in all talks delivered in this subject area. It is a compilation of information from the personal experiences, research and theories of the Staff of the Seed Technology Laboratory and the many Equipment manufacturers, Seedsmen, and Research personnel who have so generously given their time and efforts to the success of the Seed Technology Laboratory.

Anyone interested in purchasing a copy may do so by sending \$3.00 to the Seed Technology Laboratory, Box 5267, State College, Mississippi 39762.

Seed Processing and Handling



Seed Technology Laboratory
Mississippi State University
State College, Mississippi