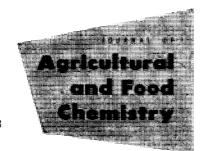
TECHNICAL SECTION

August 1959

Volume 7, Number 8



PESTICIDES

Insecticidal Activity and Structure, Some Barthrin Isomers and Their Toxicity to Houseflies in Space Sprays	
W. A. Gersdorff, S. K. Freeman, and P. G. Piquett	548
Herbicide Preparation and Testing, Preparation of "Double Phenoxy" Compounds and Preliminary Evaluation of Their Herbicidal Activity on Mesquite Seedlings	
C. F. Krewson and Richard Behrens	551
Pesticide Residues, Quantitative Determination of Arsenic Residues in Plant Materials	
Helmut Frehse and Helmut Tietz	553
Fungicide Residues, Colorimetric Method for the Determination of Dyrene Residues in Plant Material	
W. R. Meagher, C. A. Anderson, C. E. Gonter, S. B. Smith, and Daniel MacDougall	558
Fungicide Residues, Determination of Dyrene in Apples by Application of the Zincke Reaction	
D. L. Barry and D. J. Lisk	560
Seed Disinfection, Diffusion of Mercurial in the Fruit Coat of Treated Seed	
Olle Lindström	562
PLANT NUTRIENTS AND REGULATORS	
Fertilizer Raw Materials, Magnesium Ammonium Phosphate from Olivine and Rock Phosphate	
W. H. MacIntire and H. L. Marshall	566
NUTRITION	
Enzyme Response to Dietary Sugar, Effect of Various Levels of Dietary Sugar on the Succinoxidase of the Liver of Swine and Cattle	
R. L. Shirley, H. D. Wallace, J. F. Hentges, Jr., and G. K. Davis	568
CHEMURGY	
Grain Wax Components, Fractionation of Sorghum Grain Wax	
J. L. Dalton and H. L. Mitchell	57 0
FOOD PROCESSING	
Vegetable Oil Extraction, Toxicity of Amine-Extracted Soybean Meal Joseph Greenberg, D. J. Taylor, H. W. Bond, and J. F. Sherman	573
FERMENTATION	
Alcoholic Fermentation, Reduction of Aldehydes during Alcoholic Fermentation. Application to Processing of Heads	
J. F. Guymon and M. S. Jaber	576

1957 EDITION

American Chemical Society DIRECTORY OF GRADUATE RESEARCH

Faculties, Publications, and Doctoral Theses in Departments of Chemistry, Biochemistry, and Chemical Engineering at United States Universities

INCLUDES:

- ▶ All institutions which offer Ph.D. in chemistry, biochemistry, or chemical engineering
- Instructional staff of each institution
- Research reported at each institution for past two years
- ▶ Alphabetical index of 2,878 faculty members and their affiliation; alphabetical index of 236 schools

The ACS Directory of Graduate Research is the only U. S. Directory of its kind. The 3rd edition, prepared by the ACS Committee on Professional Training, now includes all schools and departments (with five exceptions where data were received too late for inclusion) concerned primarily with chemistry, biochemistry, or chemical engineering, known to offer the Ph.D degree.

The Directory is an excellent indication not only of research reported during the last two years at these institutions but also of research done prior to that time. Each faculty member reports publications for 1956-57; where these have not totaled 10 papers, some articles prior to 1956 are reported. This volume fully describes the breadth of research interest of each member of the instructional staff.

Because of the indexing system, access to information is straightforward and easy—the work of a moment to find the listing you need. Invaluable to anyone interested in academic or industrial scientific research and to those responsible for counseling students about graduate research.

Paper bound, 634 pages... \$3.50

ORDER FROM

Special Issues Sales AMERICAN CHEMICAL SOCIETY 1155—16th STREET, N.W. WASHINGTON 6, D. C.