Table of Contents

A National Science Foundation: 1950 Prospects: Dael Wolfe ................................................. 79
Principles of Emulsion Polymerization: Frederick T. Wall ...................................................... 82

Technical Papers
Terramycin, a New Antibiotic: A. C. Finlay et al. ................................................................. 85
The Oxygenation of Blood by Gas Dispersion: Leland C. Clark, Jr., Frank Gollan, and Vishwa B. Gupta .......... 85
Use of Dried Bovine Hemoglobin Powder in the Assay and Mirsky Methods for Pepsin and Trypsin: David Orringer, Frances U. Lauber, and Franklin Hollander ........................................ 88
Response of the Guinea Pig to 200 Roentgens Acute Whole Body X Irradiation: Thomas J. Haley and D. Harriette Harris .... 88
Persistence of 2,4-D in Plant Tissues: Edgar C. Tullis and Wm. C. Davis ........................................ 90

Use of 2,4-D as an Inhibitor of Germination in Routine Examinations of Beans for Seed-Borne Infection: W. A. F. Hagborg, Gladys M. Warner, and N. Agnes Phillips .......... 91
Relation between Band Slicks at the Surface and Internal Waves in the Sea: Gifford C. Ewing ............................................ 91
β-3-Thienylalanine, an Antiphenyllalanine in the Protein-depleted Rat: Karl Dittmer et al. .............. 94

Book Reviews
Fishes of the Western North Atlantic; Landscape as developed by the processes of normal erosion; Textbook of virology; Modern science and its philosophy; Pedigrees of negro families; Trees: Yearbook of agriculture, 1949 .............................. 95

News and Notes .......................................................................................................................... 98


Manuscripts submitted for publication should be sent to the Editorial Office, with stamped, self-addressed envelope enclosed for possible return. The AAAS assumes no responsibility for the safety of the manuscripts or for the opinions expressed by contributors.

Annual subscription, $7.50; single copies, $.25; foreign postage, outside the Pan-American Union, $1.00; Canadian postage, $.50. Remittances and orders for subscriptions and single copies should be sent to the Circulation Department, Science, 1515 Massachusetts Ave., N.W., Washington 5, D. C. Membership correspondence for the AAAS should be addressed to the Administrative Secretary of the same address.

Change of address. Four weeks' notice is required for change of address. This should be sent to Science Recorder, 1515 Massachusetts Ave., N.W., Washington 5, D. C. When ordering a change, it is necessary to furnish an address stencil label from a recent issue. Claims for a missing number will not be allowed if received more than 60 days from date of issue. No claims allowed from subscribers due to failure to notify the Circulation Department of a change of address or because an issue is missing from their files, or for any reason from subscribers in Central Europe, Asia, or the Pacific Islands (other than Hawaii).

The AAAS also publishes The Scientific Monthly. Subscription rates on request.
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:  http://science.sciencemag.org/content/111/2874.citation

**Permissions**  Obtain information about reproducing this article:  http://www.sciencemag.org/about/permissions.dtl