

# SCIENCE

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THE OTTAWA MEETING OF THE AMERICAN ASSOCIATION  
FOR THE ADVANCEMENT OF SCIENCE

Edited by Dr. F. R. MOULTON

PERMANENT SECRETARY

## OTTAWA WAS HOST

As was anticipated, the arrangements for the meeting at Ottawa from June 27 to July 2, inclusive, were excellent. Efficient local committees provided for every requirement from finances and meeting places to boy scouts to serve as messengers. There was a fine combination of attention to business details, preparation for scientific sessions, provision for social diversions and a warm spirit of hospitality to visitors. Moreover, the weather was perfect. Ottawa, the capital city of Canada, was indeed host to the association, and those who attended the meeting will long remember it as a delightful occasion.

That the association is American in the broad sense of the word could not be better illustrated than it was at Ottawa. The meeting was not international; it was simply American. The science was not Canadian or United Statesian; it was just science, even though the subject was some geological or biological problem of one or the other of the countries. There was no fine balancing of chairmanships and positions on committees as there is in meetings colored by political considerations. Science was the order of business, and it was conducted in the spirit of perfect harmony and good fellowship.

And why shouldn't a meeting of the association be

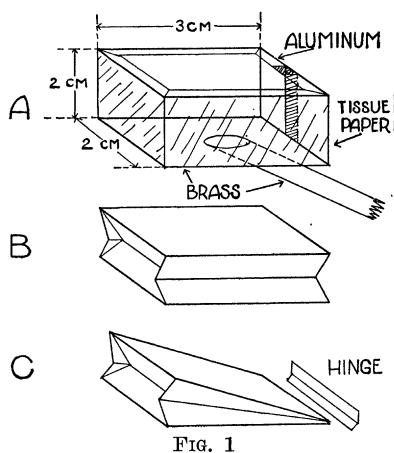


FIG. 1

with the base and a membrane hinge is cemented on (C). A writing lever (not shown in the illustration) is attached to the top surface. The bellows is now made ready for use by smearing generously a layer of paraffin oil on the membrane, thus not only sealing any microscopic holes, but rendering it more flexible.

These bellows may be made of any volume capacity to fulfil a particular condition of recording. It should be remembered that the more cubical the bellows is made, the more amplitude will be recorded for a certain volume change, and thus it is more sensitive but has less mechanical advantage. A useful proportion is shown in the illustration.

J. R. DI PALMA

J. RAYMOND JOHNSON

DEPARTMENT OF PHYSIOLOGY,  
LONG ISLAND COLLEGE OF MEDICINE

### A SIMPLE FEEDING DEVICE FOR CULEX PIPIENS IN AVIAN MALARIA STUDIES

THE meticulous and rather laborious procedures required for satisfactory continuance of the mosquito-canary propagation of plasmodia in the laboratory suggest that any simplification of methods should be placed on record. The accompanying rough sketches show a device which has been very helpful in my own work through (1) eliminating the possibility of loss of mosquitoes by the toppling of a lantern globe off a Petri or crystallizing dish, and (2) providing a "bed" in which the bird lies very comfortably, indeed often quietly asleep, while the mosquitoes are feeding. There are, as shown, three simple parts to this device: first, a round flat base cut with shears from lightweight galvanized iron and having four projecting portions turned up at right angles, two of these latter supporting upright hooks of stiff wire soldered against their outer surface; second, a small piece of rubberized cloth with a hole cut in it eccentrically; and, third, a rubber band. Without cloth, the band stretched between the two hooks holds the globe and dish securely together; for blood feeding, the cloth is slipped be-

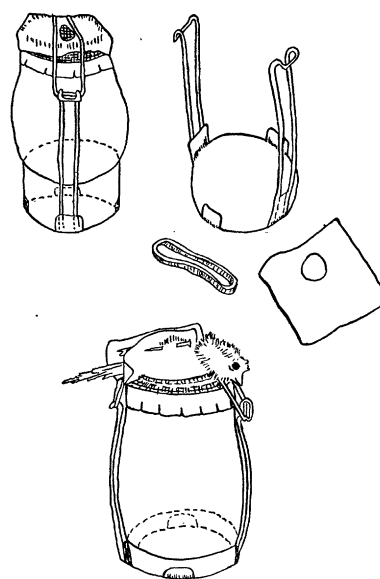


FIG. 1. A simple feeding device for *Culex pipiens* in avian malaria studies.

neath the strands of the band, the bird is laid between the strands with its bared pectoral region over the hole, and the two sides of the cloth are brought together on top and held in place by a pin.

HARRY BECKMAN

MARQUETTE UNIVERSITY SCHOOL OF  
MEDICINE

### BOOKS RECEIVED

- CATTELL, J. McKEEN and JACQUES CATTELL. *American Men of Science. A Biographical Directory.* 28,000 sketches. Pp. viii + 1,608. The Science Press. \$12.00.
- COREY, HERBERT. *Submarine; The Autobiography of Simon Lake.* Pp. xiv + 303. Illustrated. Appleton-Century. \$3.00.
- DESHA, LUCIUS J. and LARKIN H. FARINHOLT. *Experiments in Organic Chemistry.* Pp. xi + 233. 23 figures. McGraw-Hill. \$1.75.
- EGLOFF, GUSTAV, MARTHA M. DOTY and JANE F. JORDAN. *The Cracking Art in 1937.* Pp. 397. Universal Oil Products Company, Research Laboratories, Chicago.
- FULTON, J. F. *Physiology of the Nervous System.* Pp. xv + 675. 94 figures. Oxford University Press. \$6.00.
- HOGBEN, LANCELOT, Editor. *Political Arithmetic; A Symposium of Population Studies.* Pp. 531. Illustrated. Macmillan. \$9.00.
- LEET, L. DON. *Practical Seismology and Seismic Prospecting.* Pp. x + 430. 185 figures. Appleton-Century. \$6.00.
- RASHEVSKY, NICOLAS. *Mathematical Biophysics; Physicomathematical Foundations of Biology.* Pp. xviii + 340. 83 figures. University of Chicago Press. \$4.00.
- REID, ALBERT C. *Elements of Psychology; An Introduction.* Pp. xix + 409. 94 figures. Prentice-Hall. \$2.50.
- SCHULTZ, HENRY. *The Theory and Measurement of Demand.* Pp. xxxi + 817. 106 figures. University of Chicago Press. \$7.50.
- SHEPHERD, GRANT. *The Silver Magnet; Thirty Years in a Mexican Silver Mine.* Pp. 302. Illustrated. Dutton. \$3.00.
- STILLWELL, CHARLES W. *Crystal Chemistry.* Pp. x + 431. 72 figures. McGraw-Hill. \$4.50.
- TATE, ALFRED O. *Edison's Open Door; The Life Story of Thomas A. Edison: A Great Individualist.* Pp. 320. Dutton. \$3.00.

# Recent

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### **Sutton—DEMONSTRATION EXPERIMENTS IN PHYSICS**

Edited by RICHARD M. SUTTON, Haverford College. 525 pages, 6 x 9. \$4.50

This collection of nearly twelve hundred lecture experiments in physics was prepared under the auspices of the American Association of Physics Teachers, with contributions from two hundred physicists in one hundred thirty institutions. Descriptions of experiments are direct; every demonstrable principle of physics has been illustrated by one or more experiments; in many cases, experiments are described for which published accounts have not hitherto been available.

### **Rogers—TEXTBOOK OF COMPARATIVE PHYSIOLOGY. *New 2nd edition.***

By CHARLES G. ROGERS, Oberlin College. *McGraw-Hill Publications in the Zoological Sciences.* 698 pages, 6 x 9. \$5.50

As before, this textbook gives a logical, stimulating discussion of functional biology. The author has endeavored to give the student definite ideas of the fundamental unity of organic and inorganic worlds, of a similar unity of life and of animal functions in different animal groups, of some physiological bases of animal relationship, etc. In revising the book the author has rearranged much of the material and has included the latest advances in the field.

### **Miller and Blaydes—METHODS AND MATERIALS FOR TEACHING BIOLOGICAL SCIENCES**

By DAVID F. MILLER and GLENN W. BLAYDES, Ohio State University. 427 pages, 6 x 9. \$3.50

The first part of this interesting book presents the newer educational methods applicable to biology. Practical classroom situations are described and discussed. The second part describes in detail classroom experiments of all phases of biology as well as collecting, culturing, and preserving organisms, microscopic preparations, projects, and apparatus.

### **Seashore—PSYCHOLOGY OF MUSIC**

By CARL E. SEASHORE, University of Iowa. *McGraw-Hill Publications in Psychology.* 404 pages, 6 x 9. \$4.00

In this significant textbook an internationally known authority gives a general survey and systematic organization of the psychology of music from the scientific viewpoint. The author reviews the established facts from the point of view of anatomy, physiology, physics, anthropology, and acoustics, and integrates them into a single orderly analysis and description of musical experience and behavior.

### **Soule—LIBRARY GUIDE FOR THE CHEMIST**

By BYRON A. SOULE, University of Michigan. *International Chemical Series.* 285 pages, 5½ x 8. \$2.75

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