SCIENCE

Vol. 76

FRIDAY, AUGUST 19, 1932

No.	1964

Science Service Conference: Remarks by Dr. J. McKeen Cattell; Dr. Simon	posed Working Abstract of the Literature of Chemistry: DR. J. N. SWAN
Flexner; Dr. Karl T. Compton; Dr. Frank B. Jewett; A. H. Kirchhofer; Dr. John C. Merriam; Dr. Arthur A. Noyes; Robert P. Scripps; Dr. Edwin Bidwell Wilson; Dr. C. G. Abbot; Dr. W. F. G. Swann	Scientific Apparatus and Laboratory Methods: A Pipette for the Dilution Counting of Hookworm Eggs: Dr. J. ALLEN SCOTT. Mercury Vapor Pumps for Vacuum Distillations: RALPH H. MUNCH
The New Harvard Biological Laboratories: PRo- FESSOR G. H. PARKER	Special Articles: The Validity of Measuring Eye Movements by Di-
Obituary: Irwin Gillespie Priest: Dr. LYMAN J. BRIGGS 162	rect Observation: FRANCIS P. ROBINSON and PAUL G. MURPHY
Scientific Events:	Science News
The British Union of Chemical Societies; Dairy Science Publication; The Placement Bureau of the Federation of Biological Societies; Appropria- tions for Grants-in-Aid by the National Research	SCIENCE: A Weekly Journal devoted to the Advance- ment of Science, edited by J. MCKEEN CATTELL and pub- Aq Arpit Atana paysi
Council	THE SCIENCE PRESS
Scientific Notes and News 165	New York City: Grand Central Terminal
Discussion:	Lancaster, Pa. Garrison, N. Y.
Note on Premature Flowering in Grapefruit from	Annual Subscription, \$6.00 Single Copies, 15 Cts.
X-rayed Seeds: C. N. MOORE and C. P. HASKINS. Necrobiotic Rays: PROFESSOR W. W. LEPESCHKIN. Probability of a Magnetic Storm during the Solar Eclipse of August 31: A. M. SKELLETT. A Pro-	SCIENCE is the official organ of the American Associa- tion for the Advancement of Science. Information regard- ing membership in the Association may be secured from the office of the permanent secretary, in the Smithsonian Institution Building, Washington, D. C.

SCIENCE SERVICE CONFERENCE

By Dr. J. McKEEN CATTELL

PRESIDENT OF SCIENCE SERVICE

SCIENCE SERVICE, organized eleven years ago, is making a new departure to-day and has brought together in this conference some of the ablest scientific men of the country. As we all know, Science Service was made possible through a gift of the income from \$500,000 by the late E. W. Scripps, one of the most original and fertile men with whom I have ever been personally brought in contact. But we are also under obligation to Dr. Ritter, on whose assistance Mr. Scripps relied in establishing the service. If Scripps was the Charlemagne who could do all these things with high hand, Ritter was the Alcuin who advised him. The indebtedness of Science Service in its organization is also great to the group of scientific men in California to whom science owes so much -Dr. Hale, Dr. Millikan, Dr. Noyes, Dr. MacDougal, Dr. Merriam and Dr. Kellogg. Finally, tribute

¹Report of remarks made at the Round-table Conference held by Science Service in Washington, on April 27, 1932. should be paid to our first director, Dr. Slosson, a man of remarkable literary skill with scientific training and a high standard of accuracy.

We have gone on for eleven years with some successes and some failures. My own attitude has been to criticize Science Service severely to the other trustees and officers, to defend it and even on occasion to eulogize it to others. There are here those who will offer criticisms, but we should like also to know in what ways the service has been of use. We want this conference to be strictly informal. It was our original idea to have a round-table in the library, but we found greater interest than was anticipated and had to come into the lecture room. Now we want short and informal remarks from those who are willing to give us advice and help.

By Dr. SIMON FLEXNER

DIRECTOR OF THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH

In response to your request, I am very happy to express my views regarding the manner in which

THE WISTAR INSTITUTE BIBLIOGRAPHIC SERVICE ISSUES AUTHORS' ABSTRACTS

of all papers appearing in the journals listed below prior to publication of the articles in full. By this advance information biologists may familiarize themselves with *contemporary research* in a minimum of time.

Advance Abstract Sheets are issued twice a month, each sheet containing ten or more authors' abstracts. Subscription rate is \$3.00 per year.

Bibliographic Service Cards, following the Advance Abstract Sheets, also are issued twice a month. In addition to the authors' abstracts, the cards provide subject headings and complete bibliographic reference. The cards are convenient for filing and library records. Price, \$5.00 per year.

At regular intervals the authors' abstracts are assembled and published in book form with complete authors' and analytical subject indices. Price, \$5.00 per volume. Liberal discount to subscribers to the Bibliographic Service Cards.

JOURNAL OF MORPHOLOGY THE JOURNAL OF COMPARATIVE NEUROLOGY THE JOURNAL OF COMPARATIVE NEUROLOGY THE AMERICAN JOURNAL OF ANATOMY THE ANATOMICAL RECORD THE JOURNAL OF EXPERIMENTAL ZOÖLOGY AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY JOURNAL OF CELLULAR AND COMPARATIVE PHYSIOLOGY FOLIA ANATOMICA JAPONICA (TOKYO, JAPAN) PHYSIOLOGICAL ZOÖLOGY (Chicago, Illinois) STAIN TECHNOLOGY (Geneva, New York) ECOLOGICAL MONOGRAPHS (DURNAM, North Carolina)

The Wistar Institute of Anatomy and Biology Philadelphia, Pa., U. S. A.

A HISTORY OF WOMEN'S EDUCATION IN THE UNITED STATES

By THOMAS WOODY

Professor, History of Education, University of Pennsylvania

> Two Volumes 1338 pages Price \$10.00

"While we have modern histories, political, philosophical and educational histories, we still lack one that duly takes into view the education of women."

-:--:--:-

THE SCIENCE PRESS

GRAND CENTRAL TERMINAL NEW YORK, N. Y. LANCASTER, PA. Just Published

Flora of the Prairies and Plains of Central North America

BY PER AXEL RYDBERG, PH.D.

This cloth-bound volume contains 969 pages, with 601 text-figures. It includes descriptions of 177 families, 1066 genera, and 3,988 species, keys to all groups, with glossary, list of author abbreviations and index. It aims to describe all of the native and naturalized species of ferns, fern-allies and seed-plants of Kansas, Nebraska, Iowa, Minnesota, South Dakota, and of parts of Illinois, Wisconsin, Missouri, Oklahoma, Colorado, Wyoming, Montana, Manitoba, and Saskatchewan.

Price \$5.50, postpaid

Address The New York Botanical Garden Bronx Park (Fordham Station) New York, N. Y.

NEW (15th) EDITION OF

THE MICROSCOPE by SIMON HENRY GAGE

Revised throughout, and a wholly new chapter on the Ultra-Violet Microscope. Price, \$4.00.

THE COMSTOCK PUBLISHING CO, Ithaca, N. Y.

Second Edition: Revised and Enlarged THE RAT: DATA AND REFERENCE TABLES

Memoir No. 6: 458 pages. Bibliography: 2206 titles HENRY H. DONALDSON

Published by THE WISTAR INSTITUTE

Philadelphia, Pa., U. S. A. Price, \$5.00

The Rat: A bibliography, 1924-1929.

L. E. DRAKE and W. T. HERON 1353 titles-with subject index.

Price-50 cents

Orders may be sent to

The Wistar Institute, 36th Street & Woodland Ave., Philadelphia, Penna.



Field Equipment for Engineers, Explorers, Hunters, Travelers Scientific Instruments, Packing Equipment, Skis, Firearms, Clothing, Fiala Pat. Sleeping Bags, Optical Instruments, Astronomic Telescopes, Range Finders, Binoculars. Paulin Altimeters. Write for Catalog "A." FIALA OUTFITS 47 Warren St., New York