SCIENCE

Vol. 73	FRIDAY, A	PRIL 3, 1931	No. 1892
Is an International Zoologi ticable? Dr. C. W. STILES Obituary:	cal Nomenclature Prac-	Scientific Apparatus and Labo A Method of Making CHAUNCEY D. HOLMES. A chronous Motor for Obta	Topographic Models: In Oscillator and Syn-
George Peter Dreyer: I GUIGAN; Recent Deaths	Professor H. A. Mc-	Speeds: ROLAND C. DAVIS a Special Articles:	nd Frank A. Geldard 368
Scientific Events: Australian Vital Statistic ezuela Expedition; Shence The Springfield Museum tional Congress of Eugen	undoah Park Highway;	A Flowering Cycadeoid from Dr. G. R. Wieland. The Nism Controlling Flashing if files: Peter A. Snell. Societico-Adrenal Hormone: Herbert Silvette	Teuro-muscular Mechan- in the Lampyrid Fire- me Observations on the Dr. S. W. Britton and
Scientific Notes and News		Science News	10
Discussion: Erroneous Citations and Papers: Professor C. Comment on the "Pum	A. SHULL. A Further	SCIENCE: A Weekly Jour ment of Science, edited by J. lished every Friday by	
Lice: FLOYD F. SMITH. The Divining Rod: Professor Ernest C. Bryant. The Use of the Di		THE SCIENCE PRESS	
		New York City: Gran	
vining Rod in Gold Prosp FESSOR I. P. TOLMACH		Lancaster, Pa.	Garrison, N. Y.
	R H. AUSTIN AIKINS 363	Annual Subscription, \$6.00	,
Societies and Academies: Notes on the Report for land Meeting	Astronomy at the Cleve-	SCIENCE is the official orga- tion for the Advancement of S ing membership in the Associ- the office of the permanent so- Institution Building. Washingt	cience. Information regard- ation may be secured from ecretary, in the Smithsonian

IS AN INTERNATIONAL ZOOLOGICAL NOMENCLATURE PRACTICABLE?¹

By Dr. C. W. STILES

MEMBER OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

AFTER an experience of about forty years in an attempt to standardize a code of international rules to govern zoological nomenclature, it will be well for zoologists to consider briefly the outstanding difficulties which at one time or another have inhibited the degree of success which it was hoped would attend the undertaking. Possibly a short review of the subject will indicate whether or not it is worth while to continue the effort.

At the First International Zoological Congress (Paris, 1889) R. Blanchard presented a proposed code of international rules, prepared by himself, after careful consideration of the world's literature on the subject, and naturally he was influenced to no slight

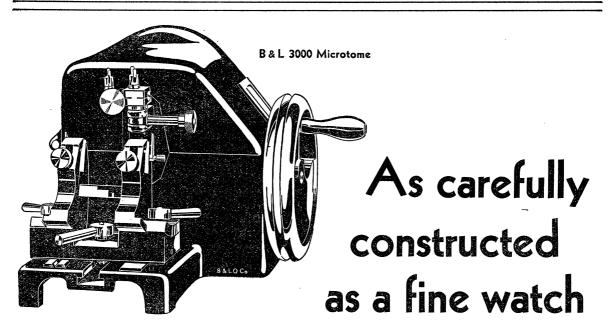
¹ Presented before the Biological Society of Washington, December 13, 1930.

degree by the existing French rules. This draft was discussed by the First and Second Congresses (Paris, 1889, and Moscow, 1892) and was formally adopted.

In 1894, the Deutsche Zoologische Gesellschaft adopted an independent code, thereby (at least inferentially) declining adherence to the international code.

In 1895, F. E. Schulze (Berlin, Germany) raised the point at the Third Congress (Leyden), that the Paris-Moscow code was essentially a French production, and he proposed the appointment of an international commission to study all the existing rules with a view to obtaining a really international code.

This proposition produced considerable bitter feeling which threatened to send the Third Congress on the rocks. Oil was poured on the troubled waters,



EVERY DETAIL, each adjustment of the 3000 Microtome is precise... is properly designed to perform its function perfectly. This instrument is sturdy, too, to insure you long service. The working parts are completely enclosed.

This Microtome is excellent for rapid serial sectioning, cutting sections with accuracy down to one micron in thickness. The feeding mechanism operates automatically. The heavy knife holder holds the knife rigidly in place. A scale provides for recording the proper cutting angle, once it is determined. The 25mm object disc is actuated by a balance wheel, grooved for a belt where a motor is to be used.

Write for catalog D-21 for complete description of this and other B & L Microtomes.



BAUSCH & LOMB OPTICAL CO.

642 St. Paul Street « » Rochester, N. Y.

BAUSCHELOMB

Makers of Orthogon Eyeglass Lenses for Better Vision

Latest — McGraw-Hill Books

Fajans' RADIOELEMENTS and ISOTOPES: CHEMICAL FORCES and OPTICAL PROPERTIES of SUBSTANCES

By Kasimir Fajans, University of Munich. George Fisher Baker Non-Resident Lectureships in Chemistry at Cornell University Series. 125 pages, 6 x 9, 34 illustrations. \$2.50

This book presents an explanation of the development of the problem of the origin of Actinium, a discussion in some detail of the phenomena of atomic linkages, and the adsorption of ions and a consideration of several applications of the latter phenomena.

North's THE COMMUNITY and SOCIAL WELFARE

A Study in Community Organization

By Cecil Clare North, Professor of Sociology, Ohio State University. *McGraw-Hill Publications in Sociology*. 359 pages, 6 x 9. \$3.50

A book discussing the welfare problems of the modern city, the specialized agencies that have been developed to deal with these problems, and the building of adequate and effective welfare programs.

Farnham's DETERMINATION of the OPAQUE MINERALS

By C. Mason Farnham. 236 pages, 6 x 9.

\$3.50

This book presents all of the information needed for identifying opaque minerals in polished sections by means of the reflecting microscope.

Woodman's FOOD ANALYSIS-New Third Edition

Typical Methods and Interpretation of Results

By A. G. Woodman, Associate Professor of Chemistry of Foods, Massachusetts Institute of Technology. *International Chemical Series*. Third edition. 557 pages, $5\frac{1}{2} \times 8$, 110 illustrations. \$3.50

This book offers a detailed discussion of the processes involved in food analysis and covers in a comprehensive fashion their suitabilities and limitations.

Leighou's CHEMISTRY of ENGINEERING MATERIALS

-New Third Edition

By ROBERT B. LEIGHOU, Professor of Chemistry, Carnegie Institute of Technology. International Chemical Series. Third edition. 684 pages, 5½ x 8, 101 illustrations. \$4.50

The object of this book is to give engineers, particularly in the machine and building industries, the practical, up-to-date information on the chemistry of materials which they need for the proper selection and use of materials.

Send for copies of these on approval

McGRAW-HILL BOOK COMPANY, Inc.

Penn Terminal Building

370 Seventh Avenue

New York



Revised Edition just published! STEWART'S PHYSICS FOR COLLEGES

This well-known physics book by Professor O. J. Stewart, Chairman of the Physics Department at the University of Missouri, has just been revised. It has been brought completely up-to-date, with the recent developments of the so-called "modern" physics introduced at those points in the text that contribute most effectively to the student's understanding of the subject. There is full development of many of the new applications of physics such as the new refrigeration processes, the photoelectric cell, recent developments in radio and sound reproduction, and other advances in the field of applied physics. All the problems are new, and have been increased in number and in range of difficulty for wider choice in assignment.

For further details write to

GINN and COMPANY

Boston

New York

Chicago

Atlanta

Dallas

Columbus

San Francisco

The New York Homeopathic Medical College and Flower Hospital

Offers opportunity for highest grade medical training to one hundred men and women selected competitively.

In addition to thorough training in the Preclinical Sciences and the usual courses in Medicine and Surgery, special emphasis is given to Homeotherapy.

Seventy-first annual announcement mailed to those interested.

450 East 64th Street New York City

An Introduction to MALARIOLOGY

By MARK F. BOYD.

"This volume fills a real need, because heretofore the information has been widely scattered or contained in part in various books relating to malaria in localized areas. As a whole it is admirably planned and contains a wealth of accurate factual data that will be of great aid not only to the beginner but also to the specialist in malaria control. A particularly helpful feature is that the text is fully documented with hibliographic references."—Journal of the Inventor Medical Association.

"Dr. Boyd's work deserves the widest acceptance."—American Journal of Public Health.

\$5.00 a copy postpaid

Harvard University Press

51 Randall Hall, Cambridge, Mass.