SCIENCE

FRIDAY, SEPTEMBER 29, 1933

No. 2022

A Chemist's Retrospects and Perspectives: DR. RICH- ARD WILLSTÄTTER 271 Welcome to the International Geological Congress: DR. HENRY FAIRFIELD OSBORN 274	FESSOR ROBERT H. SEASHORE and RAYMOND D. ADAMS. A Convenient Slide Warmer: DR. E. F. WOODCOCK
Scientific Events: Imperial British Standard Measures; Federal Funds for Medical Care; The. New York Botan- ical Garden; Dissolution of the American Section of the Aeroarctic; The One Hundred and Fiftieth Anniversary of the Harvard Medical School. Re- cent Deaths 275	The Earliest Known Cephalopods: DR. E. O. ULRICH and DR. AUG. F. FOERSTE. On the Physiological Effects of Radio Waves: DR. JOSEPH L. DONNELLY 288 Science News 8
Scientific Notes and News 278 Discussion: Note on the Long Beach Earthquake: HARRY O. WOOD. The Location of Earthquake Epicenters: PROFESSOR STEPHEN TABER. Why do We Persist in Talking about the "Expansion" and "Contrac- tion" of Chromatophores?: DR. F. B. SUMNER. A Record of Young Tarpon at Sanibel Island, Lee County, Florida: MARGARET STOREY and LOUISE	SCIENCE: A Weekly Journal devoted to the Advancement of Science, edited by J. MCKEEN CATTELL and published every Friday by THE SCIENCE PRESS New York City: Grand Central Terminal Lancaster, Pa. Garrison, N. Y. Annual Subscription, \$6.00 Single Copies, 15 Cts.
M. PERRY 281 Scientific Apparatus and Laboratory Methods: The Measurement of Steadiness: A New Ap- paratus and Results on Marksmanship: 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.

A CHEMIST'S RETROSPECTS AND PERSPECTIVES¹

By Dr. RICHARD WILLSTÄTTER

MUNICH

Mr. Chairman, Members of the Chicago Section of the American Chemical Society, Ladies and Gentlemen: Allow me to express my heartiest gratitude for the great honor you have conferred upon me by the award of the Willard Gibbs Medal. At the same time, let me express my deep appreciation to the entire American Chemical Society for having elected me their honorary member at the occasion of my last visit to your country six years ago. With a feeling of deep emotion, I accept the medal which carries the image of that upright and profound character, your great J. Willard Gibbs.

Vol. 78

It is the third time that this high distinction has been conferred by your jury on a foreign chemist. I am facing, thus, a great and distinguished assembly

¹Address on the occasion of the presentation of the Willard Gibbs Medal of the Chicago Section of the American Chemical Society for distinguished achievement in science, Chicago, September 13.

to most of whom I am rather a stranger. Not to all of you, however, as there are a certain number of American chemists, who have gone forth from my laboratory and some of whom occupy leading positions in American universities—for instance, at Urbana and in your industry, for example, with the du Pont Company. However, I do not feel like a total stranger; for it is a privilege of the scientist to find friends in every country of the globe, wherever he sets his foot. This is my feeling in your midst.

At any rate, as I do not want to remain a stranger to you, I think I may best introduce myself by presenting some of my scientific memories and ideas. I have been studying chemistry for the last forty-three years; thus, I can look back on two generations of organic chemistry, the development of which is reflected on a small scale in my life.

In my younger days, chemistry was dominated by

New Whittlesey House Books =

Whittlesey House is a division of the McGraw-Hill Book Company, Inc.

JUNGLE MEMORIES

By HENRY HURD RUSBY, Emeritus Dean and Professor of Materia Medica, College of Pharmacy, Columbia University. 388 pages, \$3.50 One of the most distinguished figures in modern medicine tells a vivid story of adventure and scientific exploration in the jungles of South America, almost fifty years ago. Dr. Rusby's search for new medicinal plants, particularly coca, forms a valuable chapter in the history of medical botany. The adventures of an almost fantastic character and the keen observations of people and of nature make the book exceptionally entertaining. A series of appendices give detailed information about coca and cinchona, extended comment on alligators and tropical ants, and a discussion of the little-kown Acre and Parent-tin-tin Indians.

The Ape and the Child

By W. N. KELLOGG, Indiana University, and L. A. KELLOGG. 341 pages, \$3.00

A young chimpanzee was reared with a child in an attempt to discover the precise influence of the surroundings in infant and animal development.

Rambling Through Science

By A. L. DELEEUW. 320 pages, \$2.50 Familiar, non-technical talks, answering the intelligent reader's questions on such varied topics of modern science as sound, light, relativity, the fourth dimension, time space, matter, energy, etc.

Religion Today—A Challenging Enigma

Edited by ARTHUR L. SWIFT, Union Theological Seminary. 300 pages, \$2.50 Sixteen distinguished men offer a candid appraisal of religion today—what it is and what it does.

PERSONS ONE and THREE

By SHEPHERD IVORY FRANZ, Professor of Psychology, University of California at Los Angeles. 188 pages, \$2.00

The case of "Jack Poultney" is one of the most interesting instances of multiple personality encountered in modern times. Professor Franz tells the story as he observed it during two years of close study. In 1929, "Poultney" was picked up in a dazed condition by the Los Angeles police, with no recollection of his life since 1915. Later, his original personality suddenly reappeared, with vivid memories of his life up to 1914, but with subsequent years a blank. The process by which the two personalities were connected, and the appearance of a third personality, constitutes a fascinating record of special importance to psychologists.

Psychology at Work

Edited by PAUL S. ACHILLES. 260 pages, \$2.50

A well-rounded picture of the practical uses to which psychology is being put.

Race Psychology

By THOMAS R. GARTH, University of Denver. 260 pages, \$2.50

The first summary of all investigations, tests, and findings in this field since 1881.

Emotions of Men

By FREDERICK H. LUND, Temple University. 348 pages, \$2.50

A study of human impulses and forces which drive man toward mischief or achievement.

The Mental Defective

By R. J. A. BERRY and R. G. GORDON, Stoke Park Colony, England. 225 pages, \$2.50

A lucid, non-technical discussion of the causes and social consequences of mental deficiency.

Send for copies on approval

McGRAW-HILL BOOK COMPANY, Inc. 330 West 42nd Street, New York Aldwych House, London, W.C.2

7