

Glycol Diethyl Ether and other Ethers from Trimethylene Glycol,' A. A. NOYES. 'On the Chloronitrides of Phosphorus,' H. N. STOKES: Isomeric series of compounds. 'Preliminary Paper on the Composition of California Petroleum,' C. F. MABERY. 'On the Solubility of Ammonia in Water at Temperatures below 0°C,' J. W. MALLET. 'Note on a Somewhat Remarkable Case of the Rapid Polymerization of Choral,' J. W. MALLET. This number also contains obituary notices of Victor Meyer, Paul Schutzenberger and C. Remegius Fresenius.

J. ELLIOTT GILPIN.

Journal of the American Chemical Society, November.—'The Solubility of Stannous Iodide in Water and in Solutions of Hydriodic Acid,' S. W. YOUNG. 'On Iodostannous Acid,' S. W. YOUNG. 'A Comparison of Various Rapid Methods for Determining Carbon Dioxide and Carbon Monoxide,' L. M. DENNIS and C. G. EDGAR. 'The Electrolytic Determination of Cadmium,' DANIEL L. WALLACE and EDGAR F. SMITH. 'On the Reactions between Mercury and Concentrated Sulphuric Acid,' CHARLES BASKERVILLE and F. W. MILLER. 'On the Determination of Fat and Casein in Feces,' HERMAN POOLE. 'The Principal Amid of Sugar Cane,' EDMUND C. SHOREY. 'The Influence of Antiseptics on the Digestion of Blood Fibrin by Pepsin in a Hydrochloric Acid Solution,' CHARLES F. MABERY and LEO GOLD-SMITH.

The Botanical Gazette, November.—'Notes on the Fecundation of *Zamia* and the Pollen Tube Apparatus of Ginkgo,' HERBERT J. WEBBER: In continuation of previous papers calls attention to some of the peculiar phenomena which occur during the process of fecundation and to features in the development of the pollen tube apparatus of Ginkgo, and the origin of the centrosome-like bodies. 'North American Species of *Amblystegium*,' LELLEN STERLING CHENEY: Describes sixteen species, of which ten are found both in Europe and North America, one in North America and Japan, and five exclusively in North America. 'Vernation of *Carya*,' WILLIAM WHITMAN BAILEY. 'Abnormal Leaves and Flowers,' T. D. A. COCK-

ERELL. 'Stomata on the Bud Scales of *Abies Pectinata*,' ALEXANDER P. ANDERSON.

The American Geologist, November.—'On *Streptelasma profundum* (Owen), S. Corniculum Hall,' F. W. SARDESON. 'The Koochiching Granite,' ALEXANDER N. WINCHELL. 'On the magnetite belt at Cranberry, North Carolina, and Notes on the Genesis of this iron ore in general in crystalline schists,' JAMES P. KIMBALL. 'Diceratherium Proavatum,' J. B. HATCHER. 'The Fisher Meteorite, Chemical and Mineral Composition,' N. H. WINCHELL.

NEW BOOKS.

Traité de zoologie. Edited by RAPHAEL BLANCHARD. Fascicle XI., Némertiens, Louis Jouben, pp. 54, with 35 figures. Fascicle XVI., Mollusques, H. Paul Pelseneer, pp. 187 with 157 figures. Paris, Schleicher Frères. 1896.

Traité de zoologie concrete. IVES DELAGE and EDGARD HÉROUARD. Tome I. La Cellule et les Potozoaires. Paris, Schleicher Frères. 1896. Pp. xxx+584.

L'Année Biologique. IVES DELAGE. Paris, Schleicher Frères. 1897. Pp. xlv+732.

La vie mode de mouvement. E. PRÉAUBERT. Paris, Felix Alcan. 1897. Pp. 310.

Popular Scientific Lectures. ERNST MACH. Translated by THOMAS J. MCCORMACK. Chicago, Open Court Publishing Co. 1897. Second edition, revised and enlarged. Pp. 382. \$1.00.

Teaching as a Business. C. W. BARDEEN. Syracuse, N. Y., Bardeen. 1897. Pp. 154.

Industrial Freedom. DAVID MACGREGOR MEANS. New York, D. Appleton & Co. 1897. Pp. vii+248. \$1.50.

Birdcraft. MABEL OSGOOD WRIGHT. New York and London, The Macmillan Co. 1897. Pp. 317. \$2.50.

The Elements of Electric Lighting. PHILIP ATKINSON. New York, D. Van Nostrand Company. 1897. Pp. vi+275. \$1.50.

Social and Ethical Interpretations in Mental Development. JAMES MARK BALDWIN. New York and London, The Macmillan Co. 1897. Pp. xiv+574. \$2.60.