

wisdom of President Carter and the board of trustees, Williams College has secured from Dr. Anton Döhrn the right to a table in the Naples station. It is intended to make this in reality an American table; it being open to any original worker from the United States who has received his appointment from the authorities of Williams College. The only agreement necessary in connection with an appointment is, that the appointee, on his return to America, deliver a brief course of lectures at Williams, by which the college may gain some of the advantages which have been afforded the appointee at Naples. The name of each naturalist who lectures at the college will appear in the catalogue as lecturer on the staff of instruction.

Dr. Edmund B. Wilson, Fellow by courtesy of the Johns Hopkins University, is the first and present appointee to the position.

—Mr. Common of Ealing, Eng., presented to the Royal astronomical society, at its meeting March 9, a Woodburytype enlargement of a photograph of the nebula of Orion, taken Jan. 30, 1883, with his great three-foot reflector, the exposure being thirty-seven minutes long. He considered that it showed a marked advance on previous photographs. Some of the finer details were lost in the enlargement, yet this showed several features not rendered in any drawing. Mr. Common called attention to several differences between the photographs and the drawings of Lord Rosse.

### RECENT BOOKS AND PAMPHLETS.

*Continuations and brief papers extracted from serial literature without repagination are not included in this list. Exceptions are made for annual reports of American institutions, newly established periodicals, and memoirs of considerable extent.*

**Babut du Mares.** Le sewage, son utilisation et son épuration. Bruxelles, *Office de Publicité*, 1883. 260 p., 1 pl. 8°.

**Balfour, F. M.** Traité d'embryologie et d'organogénie comparées. Traduit par H. A. Robin. T. I.: Histoire de l'oeuf; embryologie des invertébrés. Paris, *Baillière*, 1883. 23+567 p., illustr. 8°.

**Barratt, A.** Physical metempric. London, *Williams*, 1883. 8°.

**Bertillon, A.** Ethnographie moderne. Paris, *Masson*, 1883. 8+312 p., illustr. 8°.

**Burnham, S. M.** History and uses of limestones and marbles; with 48 chromo-lithograph illustrations of antique and modern marbles. Boston, *S. E. Cassino & Co.*, 1883. 410 p. 8°.

**Clark, John S.** Industrial education a necessary part of public education. (A paper read before the American institute of instruction, Saratoga, July 13, 1882.) Boston, *The Prang educational company*, 1883. 47 p. 8°.

**Czyszkowski, S.** Exploration géologique et industrielle des régions ferrifères de l'île d'Elbe. Alais, *imp. Martin*, 1882. 87 p. 8°.

**Delboeuf, J.** Questions de philosophie et de science. Éléments de psychophysique générale spéciale. Liège, *Desoer*, 1883. 256 p. 12°.

**Detmer, W.** Lehrbuch der pflanzen-physiologie. Breslau, 1883. 400 p. 8°.

**Dewar, D.** Weather forecasts, air and tidal currents, and dates of storms for 1883. London, 1883. 8°.

**Engelmann, Th. W.** The physiology of protoplasmic motion. Translated by Charles S. Dolley. Rochester, *Davis & Leyden*, n.d. 40 p. 8°.

**Ennis, Jacob.** Two great works to be done on our sidereal system. Washington, *Judd & Deweiler*, 1883. 12 p. 8°.

**Gestro, R.** Manuale del preparatore ed imbalsamatore. Milano, 1883. 118 p. 16°.

**Hauck, W. Ph.** Die galvanischen batterien mit besonderer rücksicht auf ihre construction u. ihre mannigfaltigen anwendungen in der praxis. Wien, 1883. 256 p., illustr. 8°.

**Heidorn, D.** Karte der im mittleren Europa mit blossen augen sichtbaren sterne, auf das mittl. aequ. 1870 berechnet. Göttingen, 1883. f°.

**Hutton, F. W.** Catalogue of the New Zealand Diptera, Orthoptera, Hymenoptera; w. descriptions of the species. New Zealand, *Wellington*, 1881. 132 p. 8°.

**Kroman, K.** Vor naturerkjendelse. Bidrag til en matematikens og fysikens teori. Kjoebenhavn, 1883. 516 p. 8°.

**Leconte, J. L., and Horn, G. H.** Classification of the Coleoptera of North America. Washington, *Smithsonian institution*, 1883. (Smithsonian misc. coll.) 38+567 p. 8°.

**Ledger, E.** The Sun; its planets and their satellites. New York, 1883. 12°.

**Lefebvre, B.** Les passages de Venus sur le disque solaire. Étude historique suivie d'un appendice sur les observations du 6 décembre, 1882, et du récit des expéditions belges. Louvain, *Peeters*, 1883. 70 p. 8°.

**Lelontre, G.** Recherches expérimentales et analytiques sur les machines à vapeur. Détermination de l'eau entraînée par une méthode thermométrique. Nancy, *Berger-Levrault*, 1883. 63 p. 8°.

**Malapert, E.** Notes sur le magnétisme et sur la compensation des compos. Nancy, *Berger-Levrault*, 1883. 70 p. 8°.

**Mawley, E.** The weather of 1882 as observed in the neighborhood of London, and compared in all respects with that of an average year. London, *Stanford*, 1883. 75 p. 8°.

**Morgan, C. L.** Water: its teachings in chemistry, physics and physiography. London, *Stanford*, 1883. 12°.

**Perre de Roo, La, V.** Monographie des pigeons domestiques. Paris, 1833. 394 p., illustr. 8°.

**Perrier, E.** Éléments de zoologie pour la classe de cinquième. Paris, *Hachette*, 1883. 12+497 p., illustr. 12°.

**Peters, C. H. F.** Celestial charts made at the Litchfield observatory of Hamilton college. Nos. 1-20. Clinton, 1833. Imp. f°.

**Renault, B.** Cours de botanique fossile fait au Muséum d'histoire naturelle. 3 ann. Paris, *Masson*, 1883. 322 p., 36 pl. 8°.

**Reuter, O. M.** Finlands och den Skandinaviska halföns Hemiptera Heteroptera. Stockholm, 1882. 8°.

**Scheube, B.** Die Ainos. Yokohama, 1883. 32 p., illustr. f°.

**Schwackhöfer, F.** Technologie der wärme u. des wassers mit besonderer berüksichtigung des dampfkesselbetriebes. Wien, 1883. Illustr. 8°.

**Sedgwick, W.** Light the dominant force of the universe: showing by means of experiments, what light is, what electricity is, and what life is; also, how to reconcile religion and science. London, 1883. 298 p. 8°.

**Sicard, H.** Éléments de zoologie. Paris, *Baillière*, 1883. 16+842 p., illustr. 8°.

**Stoddard, John T.** An outline of qualitative analysis for beginners. Northampton, *Gazette printing-office*, 1883. 4+54 p. 16°.

**Thomas, Albert.** Manuel de l'alcoométrie. Tables et formules pour servir au calcul des mélanges d'eaux-de-vie à tous les degrés. Lille, *Michelet*, 1882. 8°.

**United States coast and geodetic survey.** A treatise on projections by Thomas Craig. Washington, *Government*, 1882. 14+247 p. 4°.

**United States—Department of agriculture.** Division of entomology. Bulletin. Nos. 1, 2. Washington, *Government*, 1883. 62, 36 p. 8°.

**Urbanitzky, A. v.** Das elektrische licht und die hierzu angewendeten lampen, kohlen u. beleuchtungskörper. Wien, 1883. 240 p., illustr. 8°.

**Vámbery, H.** Der ursprung der Magyaren. Eine ethnologische studie. Leipzig, 1882. 599 p. 8°.

**Woodward, C. M.** Manual education a feature in public education. (A paper read before The national teachers' association, Saratoga, July 13, 1882.) Boston, *The Prang educational company*, 1883. 19 p. 8°.

**Zaborowski, S.** Nouvelles et curiosités scientifiques. Paris, *Marpon et Flammarion*, 1883. 525 p. 18°.

**Zopf, W.** Die spaltpilze. Breslau, 1883. 144 p., illustr. 8°.