

American public almost exclusively through the insufficient medium of the newspapers. Dr. Theo. Gill, who lectured on the 10th inst. on Mythical animals, departed from the consideration of animals which exist in fact, and gave his audience an account of some which exist in fancy. Dr. John S. Billings closed the first half of the course, taking for his theme, Germs and epidemics. He gave a concise account of the results of the latest investigations of Pasteur and others, regarding the relations of microscopic organisms to disease; weaving in, to a greater or less extent, his own views upon the matter.

The programme for the second half of the course is as follows: Feb. 24, Prof. L. F. Ward, the Plant life of the globe, past and present; March 3, Mr. W. H. Dall, Pearls and pearl-fisheries; March 10, Major J. W. Powell, Indian mythology; March 17, Prof. C. V. Riley, Adaptation and interdependence between plants and insects; March 24, Prof. C. A. White, the Teachings of paleontology; March 31, Dr. R. Fletcher, U. S. A., Human proportion in art and anthropometry.

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.]

Baltimore — Johns Hopkins university. Studies in historical and political science; ed. by Herbert B. Adams. Baltimore, University. 1882-83. 8°.

- I. An introduction to American institutional history; by Edward A. Freeman. 1882. p. 39.
- II. The Germanic origin of New England towns; by H. B. Adams. With notes on cooperation in university work. 1882. p. 57.
- III. Local government in Illinois; by Albert Shaw: Local government in Pennsylvania; by E. R. L. Gould. Jan., 1883. p. 37.
- IV. Saxon tithing-men in America; by H. B. Adams. Feb., 1883. p. 23.

Bible myths, and their parallels in other religions; being a comparison of the old and new testament myths and miracles with those of heathen nations of antiquity, considering also their origin and meaning. N. Y., Bouton. 1883. 650 p. 8°.

Bouchon-Brandely. Rapport au ministre de la marine sur la génération et la fécondation artificielle des huîtres portugaises. Paris, 1882. 51 p. 8°.

Brubaker, A. P. Physiology. Philad., Blakiston. 1883. 133 p. 12°.

Buet, Charles. Madagascar, la reine des îles africaines: histoire, mœurs, religion, flore, etc. Paris, Palmé. 1883. 124-391 p. 8°.

Cambridge entomological club. Annual reports for 1882. Cambridge, Club. 1883. 31 p. 32°.

Connecticut agricultural experiment station. Annual report for 1882. New Haven, State. 1883. 114 p. 8°.

Conn. — Shell fish commissioners. Second report. Middletown, State. 1883. 44 p., map. 8°.

Davy, Humphry. Les derniers jours d'un philosophe. Entretiens sur la nature, les sciences, les métamorphoses de la terre et du ciel, l'humanité, l'âme, et la vie éternelle. Ouvrage traduit de l'anglais, accompagné d'une préface et de notes, par C. Flammarion. 9e éd. Paris, Didier. 1882. 32+374 p. 18°.

Fabre, J. Henri. Histoire naturelle. Géologie (programme officiel du 3 août 1880 et instructions ministérielles du 18 oct. 1881). 3e ann. Paris, Delagrave. 1882. 260 p. 12°.

Ferris, B. G. A new theory of the origin of species. N. Y., Fowler and Wells. 1883. 278 p. 12°.

Gerhard, W. Paul. House drainage and sanitary plumbing. N. Y., Van Nostrand. 1882. 205 p. 24°.

Girardin, J. Leçons de chimie élémentaire appliquée aux arts industriels. 6e éd. Tom. iii. Chimie organique. Paris, Masson. 1883. 620 p., 330 fig. 8°.

Grand, S. L'industrie huître à Marennes; la Seudre et ses rivages; des claires à verdier, soins annuels à donner aux claires, etc. Paris, Michélet. 1883. 31 p. 8°.

Guérin, Victor. Rapports adressés à M. le ministre de l'instruction publique, sur sa mission scientifique dans le Liban. Paris, imp. Levé. 1883. 28 p. 8°.

Hale, P. M. The woods and timbers of North Carolina; a compilation from the botanical and geological reports of Drs. Curtis, Emmons, and Kerr; to which are added information obtained from the census bureau and accurate reports from the several counties. Raleigh, Hale. 1883. 272 p., map. 12°.

Indiana. — Department of geology and natural history. Eleventh annual report, 1881. John Collett, state geologist. Indianapolis, State. 1882. 414 p., 5 maps, 55 pl. 8°.

Kuhff, G. A. Les organes génitaux de l'homme et de la femme, structure et fonctions, etc. 2e éd. Paris, Ballière. 1883. 64 p. 8°.

Latteux, Paul. Manuel de technique microscopique, ou Guide pratique pour l'étude et le maniement du microscope. 2e éd. Paris, Delahaye, etc. 1883. 11+477 p., 177 fig. 18°.

Lecouteux, Edouard. Le blé, sa culture intensive et extensive. Paris, imp. Chaix. 1882. 8+413 p., 60 fig. 18°.

Marchand, Léon. Botanique cryptogamique pharmaco-médicale; programme raisonné d'un cours professé à l'école supérieure de pharmacie de Paris. Tom. i. Paris, Doin. 1883. 481 p. 8°.

Milne-Edwards, Alphonse. Anatomie et physiologie animales. Paris, Masson. 1883. 4+406 p. 311 fig. 18°.

Mortillet, Gabriel de. Le préhistorique: antiquité de l'homme (Bibl. sciences contemp.). Paris, Reinwald. 1883. 642 p. 8°.

New York. — Linnaean society. Transactions. Vol. i. N.Y., Society. 1882. 168 p., portr. 1. 8°.

Niox, Comm. Géographie militaire. v. Europe orientale et bassin de la Méditerranée. 1e partie: péninsule des Balkans. Paris, Baudoïn. 1882. 8+231 p. 18°.

O'Donovan, E. The Merv oasis. Travels and adventures east of the Caspian during 1879-81, including five months' residence among the Tekkés of Merv. 2 vol. N.Y. 1883. illustr. 8°.

Pharmaceutische rundschaue und zeitung für die wissenschaftlichen gewerblichen interessen der pharmacie und verwandten berufs- und geschäftszweige in den Vereinigten Staaten; herausg. von Dr. Fr. Hoffmann. Bd. i. no. i. N.Y. 1883. 28 p., m. 4°.

Pioger, L. M. Dieu dans ses oeuvres; les splendeurs de l'astronomie, ou il y a d'autres mondes que le nôtre. Paris, Haton. 1883. 18°.

La lune. 4+315 p.

Le soleil. 8+373 p.

Poitevin, A. Traité des impressions photographiques. Suivi d'appendices relatifs aux procédés, par M. Léon Vidal. 2e éd. Paris, Gauthier-Villars. 1883. 14+280 p., portr. 18°.

Proctor, R. A. The great pyramid, observatory, tomb and temple. N.Y., Worthington. 1883. 8+323 p. illustr. 12°.

Rawlinson, G. The religions of the ancient world, including Egypt, Assyria and Babylonia, Persia, India, Phoenicia, Etruria, Greece, Rome. N.Y., Scribner. 1883. 12+249 p. illustr. 12°.

Rochas, Albert de. La science des philosophes et l'art des thaumaturges dans l'antiquité. Paris, Masson. 1883. 220 p. 24 pl. 8°.

Selvatico, Silvestro. Sur le développement embryonnaire des bombyciens. Traduction par J. Pelletan. Paris, Doin. 1883. 31 p., 7 pl. 8°.

Tissandier, Gaston. Les martyrs de la science. 2e éd. Paris, Dreyfous. 1883. 334 p., 34 pl. 8°.

Tyndall, J. Heat as a mode of motion. New ed. N.Y., Appleton. 1883. illustr. 12°.

U.S. — Corps of engineers U.S. army. Professional papers, no. 24. Primary triangulation of the lake survey; by Lieut.-Col. C. B. Comstock, U.S.A. Wash., Government. 1882. 920 p. 4°.

Waldmann, F. Der bernstein im alterthum; historisch-philologische skizze. Föllin. 1883. 87 p. 4°.

Wharton, W. J. L. Hydrographical surveying; a description of the means and methods employed in constructing marine charts. London. 1882. 8°.

Yung, Emile. Le sommeil normal et le sommeil pathologique; magnétisme animal, hypnotisme, névrose hystérique. (Bibl. biol. intern.) Paris, Doin. 1883. 196 p. 18°.