SCIENCE

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FRIDAY, JULY 6, 1900.

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LEWIS HOWE.....

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MSS. intended for publication and books, etc., intended for review should be sent to the responsible editor, Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.

From the point of view of scientific work the New York meeting of the Association was the most successful in its history, with the possible exception of the anniversary meeting held two years ago at Boston. It was not expected that New York City would be a favorable place to awaken local enthusiasm or altogether suitable for social gatherings, but even in these respects there were no grounds for complaint. The attendance—a registration of about 450—was not as large as had been hoped for. It included, however, an unusually large proportion of fellows, and there were perhaps three hundred members of the affiliated Societies present who did not register as members of the Association. The assembly of scientific men was therefore about as large as it ever has been, and considerably larger than since 1884, with the exception of the anniversary meeting.

The general conduct of the meeting met with the approval of nearly all the members, though a few regretted the lack of eleemosynary entertainments and excursions. The members were welcomed to Columbia University by President Low and to the American Museum of Natural History by President Jesup. The address of the president

BOOKS RECEIVED.

Photometric Measurements. WILBUR M. STONE. New York and London. The Macmillan Co. 1900. Pp. vii + 270. \$1.60.

A Manual of Elementary Practical Physics for High Schools. Julius Hortvet. Minneapolis, H. W. Wilson. 1900. Pp. x + 255.

Comparative Anatomy of Animals. GILBERT C. BOWNE. London, George Bell & Sons. 1900. New York, The Macmillan Co. 1900. Pp. xvi + 269.

SCIENTIFIC JOURNALS AND ARTICLES.

The American Naturalist for June opens with an excellent account of 'The Neurone Theory in the Light of Recent Discoveries,' by G. H. Parker, originally given as a lecture before the Section of Biology, New York Academy of Sci-'Variation in the Venation of Trimerotropis,' is discussed by Jerome McNeil, with the rather surprising conclusion, among others, that variations in venation may be much greater within a species, than those difference which distinguish one genus from another. Robert T. Young presents some 'Notes on the Mammals of Prince Edward's Island,' and T. D. A. Cockerell notices 'The Cactus Bees, Genus Lithurgus' recorded from New Mexico. C. B. Davenport summarizes 'The Advance of Biology in 1897' as indicated by the contents of L'Année biologique for that year and F. W. Simonds has a paper, presented before the American Association last August, 'On the Interpretation of Unusual Events in Geologic Records, illustrated by Recent Examples.' Part X of the 'Synopses of North American Invertebrates' is by Mary J. Rathbun and is devoted to 'The Oxyrhynchous and Oxystomatous Crabs.'

The Popular Science Monthly for July has for its frontispiece a portrait of G. K. Gilbert. Simon Newcomb has some 'Chapters on Stars' and W. M. Haffkine gives the second and final part of his very interesting article on 'Preventive Inoculation.' James Collier presents the second of his papers on 'Colonies and the Mother Country' and G. F. Swain gives an account of 'Technical Education at the Massachusetts Institute of Technology,' which includes the history of the institution in brief and is illustrated by views of the laboratories and portraits of its various Presidents. G. T. W.

Patrick discusses 'The Psychology of Crazes,' concluding that ethically and intellectually social or collective man is far behind individual Edward Renouf considers 'Some Phases of the Earth's Development in the Light of Recent Chemical Research,' and S. P. Langley contributes 'A Preliminary Account of the Solar Eclipse of May 28, 1900, as observed by the Smithsonian Expedition,' 'Malaria and the Malarial Parasite,' by Patrick Manson, gives a good resumé of the subject, and finally Henry Carrington Bolton briefly notices 'New Sources of Light and of Röntgen Rays.' Under Discussion and Correspondence, Charles D. Walcott tells of 'Washington as an Explorer and Surveyor,' while the thanks of the many are due to 'Physicist', who under the caption 'Science and Fiction' reviews Tesla's recent article in the Century.

The Osprey for May, rather belated, begins with part V of 'Birds of the Road,' by Paul Bartsch, followed by 'Notes on the Habits of the Blue Jay in Maine,' by J. Merton Swain. Theodore Gill gives the third instalment of 'William Swainson and his Times,' which contains some important information regarding his publications. M. A. Carpenter, Jr., describes 'The Chickadee (Parus atricapillus) in Eastern Nebraska' and some 'Remarks on Some of the Birds of the Cape of Good Hope,' by Phillip Lutley Sclater is reprinted from the Ibis.

SOCIETIES AND ACADEMIES. TORREY BOTANICAL CLUB.

On May 30, 1900, a meeting was held at Hazelwood, the residence of Vice-President Dr. T. F. Allen, near Litchfield, Conn., subsequent to a field excursion arranged by Dr. Allen in the vicinity of Litchfield, the Club being his guests from May 29th to 31st.

Professor Lloyd called attention to the occurrence of nectaries* on the leaves of *Pteris aquilina*. The glands are found on the rachis, one below the insertion of each pinna, and may be recognized as modified oval areas covered by a dark red epidermis. The color is due to the presence of matter dissolved in the sap, and is

*Described briefly by Francis Darwin in *Jour. Linn. Soc.*, 15: 407. 1877.