

Dawson, C. M. G., F. R. S., Professors E. Hull, F. R. S., Parker and Duns, the Rev. G. Whidborne, and Mr. J. Slater, F. C. S., were read upon the questions in regard to natural selection and evolution, treated by Professor Huxley in his recent address on 'The Past and Present.'

ON May 4th the Association for the Education of Women is to hold a general meeting in the Schools, Oxford, to consider the question of a petition to the University for the admission of women to the B. A. degree.

DR. SHERRINGTON, now Superintendent of the Brown Institution, London, has been appointed to the George Holt chair of Physiology at Liverpool, vacant by the removal of Professor Gotch to Oxford.

DR. H. WEBER, Professor of Mathematics in the University of Göttingen, has accepted a call to the University of Strassbourg, and Professor Hilbert, of Königsberg, has been called to the vacant chair in Göttingen.

DR. E. R. L. GOULD has accepted a call to the Professorship of Statistics in the University of Chicago.

MR. THEODORE T. GROOM, of St. John's College, Cambridge, has been appointed Professor of Natural History in the Royal Agricultural College, Cirencester, succeeding the late Professor Harker.

DR. JOHANNES BRUMMER, Professor of Agriculture in the University of Jena, died recently at the age of forty-three years.

THE death is announced of the Irish Naturalist, Mr. A. G. More.

THE Appalachian Mountain Club, of Boston, announces the following excursions for 1895: April 19, Long Walk; May 11, May Walk—Nobscoot Hill and Wayside Inn; May 30, Mt. Tom and Mt. Holyoke; July 1-8, Field Meeting—Seal Harbor, Mt. Desert; August, A probable excursion to the Selkirk mountains in British Columbia, occupying an entire month.

A PSYCHOLOGICAL INDEX, being a bibliography of the literature of Psychology and cognate subjects for 1894, has been published by Macmillan & Co., as a supplement to the *Psychological Review*. The index has been compiled by Mr. Howard C. Warren, of Princeton College, and Dr. Livingston Farrand, of Columbia College. 1312 titles are given, distributed as follows: General 135, Genetic, Comparative and Individual Psychology 259, Anatomy and Physiology of the Nervous System 190, Sensation 107, Consciousness, Attention and Inhibition 176, Feeling 50, Movement and Volition 116, Abnormal 278.

SOCIETIES AND ACADEMIES.

THE MINNESOTA ACADEMY OF NATURAL SCIENCES, MINNEAPOLIS. JOINT MEETING WITH THE ST. PAUL ACADEMY OF SCIENCE.

March 6th, in the rooms of the St. Paul Commercial Club.

The Physical Features of the Lake of the Woods: PROFESSOR CONWAY MACMILLAN, State Botanist.

Psychic Effects of the Weather: EDWARD S. BEALS, Observer U. S. Weather Bureau, Minneapolis.

Geology and Flora of the Mountain Region of Northwestern Montana: D. R. MCGINNIS, Secretary St. Paul Commercial Club.

April 2d in the Public Library, Minneapolis.

Fatigue; its Cause and Social, Religious, Economic and Educational Aspects: H. S. BAKER, PH. D., Principal of the Jefferson School. St. Paul.

Some Queer Forms of Shellfish: PROFESSOR H. L. OSBORN, Hamline University, St. Paul.
C. W. HALL, Secretary.

NEW YORK BRANCH OF THE AMERICAN FOLK-LORE SOCIETY.

ON the evening of Saturday, April the 6th, the annual meeting of the New York Branch

of the American Folk-Lore Society was held with the following result:

The officers elected for the season of 1895-96 are as follows: President, Mr. E. Francis Hyde; First Vice-President, Mr. George B. Grinnell; Secretary and Treasurer, Mr. William Burnet Tuthill; as members of the Executive Council, Mrs. Henry Draper, Mrs. Mary J. Field and Mrs. E. Francis Hyde. The offices of Second Vice-President and the fourth lady member of the Executive Council were not filled, the places being held vacant for the action of the Executive Council.

It was determined to hold the final meeting of the season on the evening of Tuesday, May the 7th, at the Hotel Waldorf. The speaker for the evening will be Dr. Matthews, of Washington, the subject being Navahoe Myths, illustrated by phonograph. It is also the intention of the Council to have four meetings during the coming season; three of them to be held at the Hotel Waldorf and one at the Museum of Natural History. At the meetings held at the Hotel Waldorf the members of the Society will be entertained after the reading of the paper.

WM. B. TUTHILL, *Secretary*.

THE NEW YORK MINERALOGICAL CLUB.

At the last meeting of the New York Mineralogical Club the following officers were elected for the ensuing year: President, George F. Kunz; Secretary, Professor Daniel S. Martin; Treasurer, J. W. Freckleton; Executive Committee, E. Schernikow, Dr. E. S. Arnold and Professor A. H. Chester; Curators, Professor R. P. Whitfield, Gilman S. Stanton and William Niven; Committee on Admissions, J. McCarthy and Frederick Kato; Committee on Executions, J. S. Walker, Professor D. S. Martin and Frederick Kato; Delegates to Scientific Alliance, George F. Kunz, Professor D. S. Martin and J. W. Schoonmaker.

SCIENTIFIC JOURNALS.

THE ASTROPHYSICAL JOURNAL, APRIL.

Recent Researches on the Spectra of the Planets, II.: H. C. VOGEL.

A summary of recent work on Jupiter, Saturn and Uranus. Photographic observations reveal no deviation in their spectra from that of the sun, but in the less refrangible region bands due to the absorption in the atmospheres of the planets have been recorded visually. A comparison of the visual spectrum of Uranus as mapped by Keeler and by Vogel shows little variation. Repeated observations on the red spot of Jupiter indicate no difference between its spectrum and that of the belts. From a study of the red region, the satellites probably have atmospheres similar to that of the primary. The spectra of Saturn and the ansæ of the ring on each side are identical in the more refrangible portion. That there is no absorption band at λ 618 $\mu\mu$ indicates the absence of an atmosphere around the rings.

On the Periodic Changes of the Variable Star Z Herculis: N. C. DUNÉR.

After discussing various observations upon this variable and giving its ephemeris, the writer concludes that *Z Herculis* is a connecting link between the *algor* and the *Y Cygni* types, differing from *algor* in having both components bright, and from *Y Cygni* in that the components are of unequal brightness. It consists of two stars of equal size, one of which is twice as bright as the other. The stars revolve in 3 days, 23 hours, 48 minutes, 30 seconds, in an elliptical orbit whose semi-major axis is six times the diameter of the stars. The plane of the orbit passes through the sun.

Preliminary Table of Solar Spectrum Wave-Length, IV.: H. A. ROWLAND.

The table is continued from λ 4266 to 4414.

T. Andromedæ: E. C. PICKERING.

A study of later photographs indicate that