

was the first to trace the path of a "low" across the Atlantic, and to chart the mean pressure of the atmosphere and the prevailing winds of the globe. His best-known work is probably that in connection with the meteorological discussions of the *Challenger* expedition. He was more recently associated with Dr. A. J. Herbertson in the preparation of the splendid "Atlas of Meteorology." He was from the beginning actively interested in Ben Nevis Observatory, and published several discussions of Ben Nevis meteorology. Buchan was a member of the Meteorological Council (1887); an honorary LL.D. of Glasgow; F.R.S. of London and Edinburgh; the first recipient of the Symons Medal of the Royal Meteorological Society; an honorary member of numerous foreign scientific societies. Dr. W. N. Shaw (*Nature*, May 23) well says: "It is not too much to say that the work of Buchan's life has contributed largely to justify the claim of meteorology to be regarded as a separate scientific subject, entitled to separate academic recognition."

R. DEC. WARD

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

MRS. RUSSELL SAGE has given the sum of \$300,000 to found what will be known as the Russell Sage Institute of Pathology as an adjunct to the City Hospital on Blackwell's Island. The securities for that amount have been delivered to the Russell Sage Foundation, and the gift has been formally accepted by the Medical Board of the City Hospital.

Resolutions were adopted by the board thanking Mrs. Sage for this magnificent gift, and expressing appreciation for the honor conferred upon the hospital, "realizing that this has been the first occasion upon which a municipal hospital in this city has been so generously provided for by a private individual for the purpose of fostering medical education and research. "It is the hope of the Medical Board," the resolutions continue, "that this gift of Mrs. Sage may establish a precedent for others which may lead to like endowment in other municipal institutions."

Commissioner Heberd of the Department

of Public Charities has issued a statement in which was laid down the terms of the gift as received in a communication from Mr. Robert W. De Foster, counsel for Mrs. Sage. Mr. De Foster's letter on the subject said:

This institute is to be organized according to the plans and under the direction of Drs. E. G. and T. C. Janeway, with whom are to be associated on the board of trustees, as *ex-officio* members, the Commissioner of Public Charities of the City of New York and the president of the medical board of the City Hospital, and as individual members Dr. D. Bryson Delavan, Dr. Simon Flexner and Professor Graham Lusk. The institute will be promptly incorporated.

The effective work of the institute depends, as you have stated, upon the maintenance and continuance of the helpful relations between the Department of Public Charities and those who are now performing the duties of pathologists to these hospitals. The income of the institute from this source will be based upon the continuance of such cooperation to the satisfaction of the gentlemen named as trustees.

Mrs. Sage hopes that as the result of this endowment the research and educational work of these hospitals will be largely increased, to the good of the general public, and particularly in dealing with the diseases to which old age is liable.

SUMMER FIELD MEETING OF THE SECTION OF GEOLOGY AND GEOGRAPHY OF THE AMERICAN ASSOCIATION

IN the issue of SCIENCE for May 10 was given the full program of the meeting of Section E—Geology and Geography—of the American Association for the Advancement of Science, from July 3 to 11. It may be added that the subject of the address of Dr. Lane, the vice-president, is "The Early Surroundings of Life." It will be given in the auditorium of the Catholic Summer School, and will be complimentary to the members of the Champlain Assembly. The noon addresses to be given each day after the lunch hour on a subject connected with the excursion of the day have been arranged as follows: "Abandoned Shorelines," by Professor Woodworth; "Iroquois Extinction," by Professor Fairchild; "Paleogeography of the Cambro-Siluric of the Region from the Standpoint of

the Stratigraphy," by Professor Cushing; "Lake Champlain," by Dr. Clarke; "Blastoidocrinus and its Type," by Professor Hudson; "The Lower Siluric Paleography of the Champlain Basin," by Dr. Ruedemann; "The Iroquois Beach and Related Features Northeast of Watertown, N. Y.," by Mr. Taylor; "The Adirondack Iron Ores Deposits," by Professor Kemp.

Those who attend the meeting may purchase local excursion tickets to Plattsburg. From many places these tickets are as low as one and one third single fare. The Trunk Line and New England Associations, Canadian Pacific Railway, Grand Trunk Railway, and Canada Atlantic Railway have made a special rate on the certificate plan of one full fare going and one third full fare returning plus 25 cents for certificate fee, which shall be paid to the agent when purchasing return ticket. Tickets for the going journey may be bought and certificate procured from June 11 to September 30. Tickets returning will be good to October 2. In this case tickets should be purchased to Cliff Haven, and the certificates should be procured for "The Catholic Summer School of America." In order to take advantage of this one and one third fare the sum of \$1.50 must be paid for membership in the Catholic Summer School. Rooms may be secured at \$1.00 a day in the buildings of the Summer School. Members may take their meals at the Champlain Club; breakfast, lunch or supper, 50c.; dinner, 75c. At the Hotel Champlain the rate will be \$4.00 a day and upward.

SCIENTIFIC NOTES AND NEWS

DR. E. H. SELLARDS, for three years geologist and zoologist to the Florida University, has been appointed state geologist of Florida by Governor Broward. The vacancy at the university will probably be filled by the appointment of a zoologist.

DR. E. A. RUDDIMAN, professor of materia medica and pharmacy at Vanderbilt University, Nashville, has been appointed chief food and drug inspector of the Department of Agriculture.

YALE University has conferred the degree of doctor of science on Professor Joseph P. Iddings, who holds the chair of petrology in the University of Chicago, a graduate of the class of '77; and on Dr. A. B. Macallum, who holds the chair of physiology in the University of Toronto. The university has conferred the doctorate of laws on Dr. Herbert Putnam, librarian of congress.

At the fifth annual commencement of the College of Medicine of the University of Nebraska, the address was made by Dr. Nicholas Senn, of Chicago. The doctorate of laws was conferred on Major James Carroll, U. S. A.

PROFESSOR CHARLES S. DENISON, of the University of Michigan, has received the degree of doctor of science from the University of Vermont, from which institution he received the degree of civil engineer in 1871.

AMHERST COLLEGE has conferred its doctorate of laws on Mr. Percival Lowell, the astronomer and author.

OXFORD UNIVERSITY has conferred honorary doctorates of science as follows: Sir Norman Lockyer, K.C.B., F.R.S., director of the Solar Physics Observatory, South Kensington; Sir Richard Douglas Powell, K.C.V.O., physician extraordinary to the king, president of the Royal College of Physicians; Sir William Ramsay, K.C.B., F.R.S., professor of chemistry at University College, London; Sir William Henry Perkin, F.R.S.; William Watson Cheyne, C.B., F.R.S., professor of surgery at King's College, London, and Ludwig Mond, Ph.D., F.R.S.

CAMBRIDGE UNIVERSITY has conferred the degree of doctor of science on Sir Clements Robert Markham, until recently president of the Royal Geographical Society; on Sir Thomas Hungerford Holdich, known for his explorations in India, and on Sir Thomas Fraser, professor of materia medica in the University of Edinburgh.

THE Academy of Sciences of Vienna has elected as honorary member Dr. A. von Baeyer, professor of chemistry at the University of Munich; and, as corresponding members, Dr. Wilhelm Waldeyer, professor of