

### THE UNIVERSITY OF ILLINOIS HUDSON BAY EXPEDITION

THE University of Illinois geological expedition into the Hudson Bay region during the past summer, which was made possible by a grant from the graduate school, has been completed recently with very successful results.

The primary purpose of the expedition was to make a detailed study of the succession of Paleozoic rocks comprising the great sedimentary outlier west of Hudson Bay, with the object of determining just what formations are represented in that region: a fact of first importance in interpreting the oceanic connections of the ancient epicontinental seas, and the paleogeography of the continent during early Paleozoic time.

Inasmuch as the only source of supplies and provisions throughout a large part of the region is the various fur-trading posts of the Hudson's Bay Company, arrangements were made to outfit through this company at The Pas, Manitoba. The start was made from that place on July 4, the party going as far as Armstrong lake on the new Hudson Bay railroad, and then proceeding down the Nelson river by canoes to the Bay.

Over nearly the entire region bordering Hudson Bay on the west the land is a great muskeg, or swamp, covered with a blanket of peat varying from a few inches up to ten feet or more in thickness. Owing to this fact the country back from the streams is almost impassable in the summer, there being no overland trails except portage paths around rapids in the rivers, or across the low divides from one river system to another. Hence, the party was obliged to travel entirely by canoes.

The exposures of the sedimentary rocks in this region are practically confined to the banks of the larger rivers which, almost without exception, flow across the belt of sedimentary strata. These rocks dip in general towards the bay at a rate a little greater than the fall of the streams, thereby making it possible to obtain a practically complete section of the strata outcropping along each stream. The plan of work was to follow up a

river, portage across the divide into the adjacent river basin, follow that down to the Bay, proceed along the coast of the Bay to the next important river, ascend this, cross the divide and follow down the next, etc. In this manner a detailed section of the rocks and a careful collection of fossils were obtained from the Ordovician strata exposed along the Nelson, and Shamattama rivers; from the Silurian rocks along the Severn, Winisk, and Ekwana rivers, and from the Devonian beds, at the south end of the Bay, along the Moose and Abitibi rivers.

Altogether about eighteen hundred miles were traversed by canoes on this expedition, the party reaching the railroad at Cochrane, Ontario, on September 18.

A detailed report containing the scientific results of the expedition will be published as soon as the fossil collections which it was necessary to leave for shipment at the various posts of the Hudson's Bay Company reach the university and can be carefully studied.

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### SCIENTIFIC NOTES AND NEWS

DR. CLEVELAND ABBE, the distinguished meteorologist, died on October 28, at his home in Chevy Chase, Washington, in the seventy-eighth year of his age.

DR. WILHELM VON WALDEYER, professor of anatomy in the University of Berlin, has been raised to hereditary nobility on the occasion of his eightieth birthday.

A FINELY illustrated volume, containing thirty-six articles and extending to over eight hundred pages, has been dedicated to Dr. Erik Müller, professor of anatomy at the University of Stockholm, by his friends and pupils on the occasion of his fiftieth birthday.

PROFESSOR C. W. BALKE, formerly at the head of the division of general chemistry and qualitative analysis at the University of Illinois, is organizing a research laboratory for the Pfanstiehl Company in North Chicago

which is engaged in the application of rare metals to industrial uses.

DR. H. S. ADAMS, of the department of physiological chemistry in the University of Chicago, has accepted a position as research chemist and pharmacologist at the biological laboratories of E. R. Squibb & Sons, New Brunswick, N. J.

DR. WILLIAM GILMAN THOMPSON, professor of medicine in the Medical College of Cornell University, has resigned, and is succeeded by Dr. Lewis Atterbury Conner, professor of clinical medicine in the college since 1905.

DR. ARMINIUS C. POLE, after many years' service as professor of anatomy in the Baltimore Medical College and professor of descriptive anatomy in the University of Maryland since the merger of the two schools in 1913, has resigned.

C. F. HIRSHFIELD, professor of power engineering in Sibley College, Cornell University, who has been absent on leave for special work in Detroit, has resigned.

W. C. PHALEN has resigned his position as geologist in the U. S. Geological Survey and has entered on his new duties as a mineral technologist in the Bureau of Mines, with headquarters in Washington.

PROFESSOR ERNEST BLAKER, of the department of physics, Cornell University, has, on account of illness, been granted leave of absence for the present term.

DR. CHARLES L. PARSONS, of the Bureau of Mines, is in Europe, where he will spend two months visiting plants in connection with the United States work preparatory to constructing a nitrate plant.

DR. HENRY I. ADLER, lately chief of staff of the Boston Psychopathic Hospital, is spending several months in Chicago at the request of the Civic Club and the Illinois Society for Mental Hygiene, under the auspices of the Rockefeller Foundation. His especial work is to be a survey of the mental defectives of Chicago and Cook County, and he will work in the courts and other institutions where there are facilities for detecting and handling defectives.

DR. CLARK WISSLER, of the American Museum of Natural History, during the summer, continued his work with Mr. James R. Murie, chief of the Pawnee Indians of Oklahoma. With the aid of Mr. Murie, Dr. Wissler has secured many interesting rituals of the religion of the Pawnee, which is now passing away. The more important parts of these rituals have been written down as texts in the Pawnee language with translations in English.

DR. FRANK E. LUTZ, of the American Museum of Natural History, and Mr. J. A. G. Rehn, of the Academy of Natural Sciences of Philadelphia, spent part of the summer studying and collecting insects in the vicinity of Tucson, Arizona. Mr. B. Preston Clark generously contributed toward the field expenses and the Philadelphia Academy also cooperated in the work. In addition to securing specimens for the study collection, an effort was made to obtain material which would bear especially upon the problems of ecological and geographical distribution.

AT the opening exercises of the College of Medicine of the University of Illinois, held in Chicago, on October 5, Edmund J. James, president of the university, delivered an address on the "Function of the State in the Promotion of Medical Education and Research."

AT the annual meeting of the American Roentgen Ray Society, held in Chicago the last week in September, Professor W. S. Miller, of the department of anatomy at the University of Wisconsin, delivered by invitation an illustrated address on "The Architecture of the Lung and its relation to the Proper Reading of X-ray Plates."

PROFESSOR BIRD T. BALDWIN, of Swarthmore College, has been appointed lecturer in education at the Johns Hopkins University. He is giving, on Saturdays, a course on "Educational Measurements," continuing the special work he began in the university's summer session.

DR. PERCIVAL LOWELL, director of the Lowell Observatory, Flagstaff, Ariz., left Boston on September 27 for an extensive astronomical

lecture trip. He is speaking at the State College of Washington, University of Washington, Reed College, Oregon Agricultural College, University of Oregon, Leland Stanford Junior University and the University of California. Before returning he will spend some time at his observatory in Flagstaff.

PROFESSOR EMMANUEL DE MARTONNE, professor of geography in the Sorbonne, arrived in New York on September 18 to take up his work as visiting French professor at Columbia University. He is giving courses on European physiography under the auspices of the department of geology. His offerings include two courses of four lectures each, delivered in French and open to the public. The subjects and dates of these lectures are: (1) *Montagnes du Centre et Sud de la France*, 4:15 P.M. (Massif Central), October 19 and 26, November 2, and (French Alps) November 9; (2) *Plaines et Champs de Bataille du Nord de la France*, 8:15 P.M., November 15, 22 and 29, and December 6. In connection with this series of lectures, there are conferences, open to advanced students, in which a detailed study of certain phases of the work will be made. Professor de Martonne is also cooperating with Professor D. W. Johnson in a course on the physiography of Europe, in which the Alps, the Carpathians, and southeastern Europe will be discussed by Professor de Martonne.

THE New York sections of the American Electrochemical Society and the Illuminating Engineering Society have arranged for a joint session to be held at the Engineering Societies Building, 29 West 39th St., New York, on Thursday evening, November 9, at 8 o'clock. A program has been prepared including papers on "High Pressure Gas Installations," "The Chemistry of Gas Lighting" and "The New Flexible Mantle." Engineers and chemists interested are cordially invited to attend.

THE Thomas Hawksley lecture of the British Institution of Mechanical Engineers was delivered by Mr. H. E. Jones, on November 3, on the subject of "The Gas Engineer of the Last Century."

WE learn from the *British Medical Journal* that at the recent general meeting of the Medical Society of London, the retiring president, Sir St. Clair Thomson, drew attention to a plaque removed from the society's house in Bolt Court to the present library. The plaque was erected originally by Dr. John Coakley Lettsom, the founder of the society. The incoming president, Lieutenant-colonel D'Arcy Power delivered an address on "John Ward and His Diary." The Lettsomian lectures will be delivered by Colonel Cuthbert Wallace, C.B., and the oration by Sir William Osler.

DR. LOUIS McLANE TIFFANY, emeritus professor of medicine at the University of Maryland, and consulting surgeon for the Johns Hopkins Hospital, died on October 23, at seventy-two years of age.

PICTURES of surgery done by Dr. Alexis Carrel and others on the wounded soldiers in French hospitals have recently been made with a cinema camera and brought to this country by the Clinical Film Company. The picture will be shown before medical societies and medical students.

#### UNIVERSITY AND EDUCATIONAL NEWS

THE General Education Board has announced the following appropriations: Albion College, Albion, Mich., \$100,000; George Peabody College for Teachers, Nashville, Tenn., \$200,000; Hamline University, St. Paul, Minn., \$100,000.

ISAAC F. NICHOLSON, Baltimore, celebrated his eightieth birthday by giving the Johns Hopkins University \$15,000 for the establishment of the Isaac Forester Nicholson Fund, to establish scholarships for needy students from Baltimore or the state of Maryland, or to be used for any other purpose the trustees may desire.

BISHOP CANDLER, chancellor of Emory University, announces the receipt of a contribution of \$50,000 from J. J. Gray, Jr., Rockdale, Tenn., for the erection of an outpatient building in connection with the medical department