

The general outline of the program shows that Wednesday morning is devoted to business, the afternoon to the reading of papers and the evening to the address of the retiring president, Dr. Henry B. Ward, on 'The Relations of Animals to Disease.' Thursday's program is especially devoted to medical zoology, the morning being given to papers and the afternoon to a symposium, led by the president, on animal parasites, their effects on the hosts, with demonstrations of specimens and microphotographs, and discussion. This evening the society will be tendered a reception. Friday the program includes papers and a symposium on fresh water biology, led by Dr. R. H. Wolcott, covering the field of limnobiology. The evening will be spent on the beach and Saturday will be devoted to excursions.

Summer tourist rates make Sandusky an easy place to reach from all points, and the new hotel, 'The Breakers,' which has been selected as headquarters, insures satisfactory accommodations. There will be at the meeting demonstrations of apparatus and specimens both by firms and individuals. Persons having specimens or photomicrographs of parasites and other forms which they may wish to show can send them to headquarters in care of the officers and they will be duly presented and returned at the close of the meeting.

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COLUMBIA UNIVERSITY AND DR. R. S.  
WOODWARD.

At its recent commencement exercises, Columbia University conferred the degree of doctor of science on Dr. R. S. Woodward, formerly professor of mechanics and mathematical physics, and now president of the Carnegie Institution of Washington. He was presented by Professor Edmund B. Wilson, head of the department of zoology and Dr. Woodward's successor as dean of the faculty of pure science, who said: "It is a rare distinction to have attained a position of commanding eminence at once in scientific discovery, in scientific teaching, and in the direction of scientific and educational affairs. It is my privilege to present for the honorary degree of doctor of science one whose many-sided achievement has written his name high

on the rolls of fame for all of these—Robert Simpson Woodward, for many years the honored and beloved dean of the faculty of pure science, and now president of the Carnegie Institution of Washington. In a distinguished service of more than twenty years under the national government, as engineer of the lake survey, astronomer and chief geographer of the Geological Survey and assistant on the Coast and Geodetic Survey, his varied and profound researches won for him a secure place in the front rank of those who have successfully grappled with the great problems of astronomy and geophysics. For twelve years a professor at Columbia, his work as teacher and investigator in the fields of mechanics and mathematical physics has offered a model of lofty ideals and exacting standards to his fellow students, whether those whom he taught or those who taught with him. As dean of the faculty of pure science he has served Columbia with a conspicuous devotion, loyalty and success that will not be forgotten. His has been the leadership not alone of the eminent scholar and wise counselor, but of the trusted friend, and his example has taught once again the lesson, greater than any in his own large and difficult field of scholarship, that the cause of learning may be advanced as much by the quality of the man as by the achievement of the man of science. As president of the New York Academy of Sciences, of the American Mathematical Society and of the American Association for the Advancement of Science, he has been the far-seeing and eloquent spokesman of science to his fellows. He has now been called to a place of leadership in organized scientific inquiry for which history can not show a parallel. Columbia bids him godspeed, and gladly pays her tribute of honor to one whose life and work have been an honor to her."

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SCIENTIFIC NOTES AND NEWS.

THE American Chemical Society met last week at Buffalo under the presidency of Francis C. Venable, of the University of North Carolina.

THE seventh annual meeting of the Astronomical and Astrophysical Society of America

will be held in New York City, December 27-28, 1905.

DR. WILLIAM OSLER has been made honorary professor of medicine at the Johns Hopkins University. Oxford University has conferred on Dr. Osler the honorary doctorate of medicine.

THE University of Michigan has conferred its doctorate of laws on President Henry S. Pritchett, of the Massachusetts Institute of Technology, and the doctorate of science on Professor W. W. Campbell, director of the Lick Observatory.

DR. EDUARD STRASBURGER, professor of botany at Bonn, has been awarded the gold medal of the Linnean Society of London.

THE Society of Arts has awarded its Albert medal to Lord Rayleigh, "in recognition of the influence which his researches, directed to the increase of scientific knowledge, have had upon industrial progress, by facilitating, amongst other scientific applications, the provision of accurate electrical standards, the production of improved lenses and the development of apparatus for sound signaling at sea."

DR. HENRY H. DONALDSON, since 1892 professor of neurology at the University of Chicago, has been elected professor of neurology at the Wistar Institute of Anatomy, Philadelphia, having been selected for this position by the advisory board of the institute, consisting of leading American anatomists. Dr. Donaldson will assume his new duties at the institute on October 1, 1905, and will be at the institute during January, February and March. This arrangement will continue for two years, when Dr. Donaldson will be permanently transferred to the institute. Every effort will be put forth to establish a strong corps of neurological workers, as neurology will be the field to which the institute will devote its first attention. An assistant to Dr. Donaldson will be selected by the advisory board.

THE departmental committee appointed by the British Board of Agriculture and Fisheries to inquire into the nature and causes of grouse disease has made the following appointments:

C. G. Seligmann, Ph.D., bacteriologist to the Zoological Society of London, as bacteriologist to the commission; A. E. Shipley, M.A., F.R.S., lecturer on advanced morphology of the invertebrata to the University of Cambridge, as expert on the subject of internal parasites; H. Hammond Smith, M.D., as assistant bacteriologist and additional field observer; George Clay Muirhead, B.Sc., as field observer.

SIR ARCHIBALD GEIKIE will give the Huxley lecture at Birmingham in 1906.

OXFORD UNIVERSITY has conferred the honorary degree of doctor of science on Professor E. Ray Lancaster, director of the Natural History Museum, London.

THE University of Wales will confer the degree of doctor of science on Sir John Williams, emeritus professor of midwifery at University College, London, and the degree of doctor of letters on Dr. Henry Jones, professor of moral philosophy at the University of Glasgow.

AT the commencement and dedicatory exercises of Washington University, St. Louis, June 15, the degree of doctor of laws was conferred on Professor William G. Raymond, dean of the College of Applied Science, State University of Iowa.

COLGATE UNIVERSITY has conferred the degree of doctor of laws on Professor A. S. Bickmore, in charge of the department of public instruction of the American Museum of Natural History.

COMMANDER R. E. PEARY, U.S.N., expects to sail for the Arctic regions on his new ship *The Roosevelt* on July 4.

M. JEAN CHARCOT has returned to Paris from his explorations in the Antarctic regions. He was expected to lecture before the Société de Géographie on June 16 and before the Royal Geographical Society on June 26.

PROFESSOR GEORGE FREDERICK WRIGHT, of Oberlin College, will make a geological expedition to southern Russia, returning in January.

THE regents of the University of Wisconsin have granted Professor Wm. H. Hobbs leave

of absence for the coming academic year. He will spend some time in study with Professor Ed. Suess at Vienna and with Freiherr Ferdinand von Richthofen in Berlin, in addition to carrying out some geological work in the field.

DURING the summer of 1905, members of the geologic, topographic and hydrographic corps of the United States Geological Survey will be at work in forty-four states and five territories. Mr. C. W. Hayes will have general supervision of field and office work of the division of geology and paleontology, but the investigations in paleontology and stratigraphy will be specially supervised by Mr. T. W. Stanton, those in petrology by Mr. Whitman Cross, those of metalliferous ore deposits by Mr. S. F. Emmons, those in physiographic and glacial geology by Mr. G. K. Gilbert, those of pre-Cambrian and metamorphic rocks by Mr. C. R. Van Hise. The field and office work of the eastern topographic branch will be supervised by Mr. H. M. Wilson, the work of the western topographic branch by Mr. E. M. Douglas. Topographic mapping will be under field and office inspection of Mr. J. H. Renshaw. The supervision of field and office work of the division of triangulation and computing will be in charge of Mr. S. S. Gannett. Mr. F. H. Newell will have general supervision over the work of the hydrographic branch, but the investigations in hydro-economics will be specially supervised by Mr. M. O. Leighton, those in hydrology in the eastern states by Mr. M. L. Fuller and in the western states by Mr. N. H. Darton. The work of measuring streams will be directed by Mr. N. C. Grover.

MR. LE ROY ABRAMS, A.B., A.M. (Stanford), who has held a fellowship in botany in Columbia University during the present year, has been appointed assistant curator in the division of plants of the United States National Museum.

WILLIAM F. KIRKPATRICK has been appointed assistant botanist in the North Carolina College of Agriculture and Mechanic Arts.

DR. J. PAUL GOODE, of the University of Chicago, gave an address on 'Forest Conser-

vation,' before the Federation of Women's Clubs of Kentucky, at Cynthiana, on June 9. At the close of the address a State Forestry Association was organized, with Hon. Robert Worth Bingham, of Louisville, president, Mr. W. M. Reid, of Louisville, secretary, and Col. M. H. Crump, of Bowling Green, treasurer.

THE annual meeting of the Society of Chemical Industry will open on July 10, at University College, London, when the president, Dr. Wm. H. Nichols, will deliver an address.

THE faculty and students of the medical and dental departments of the George Washington University have erected, in the main hall of the department of medicine, a bronze tablet to the memory of their late dean and professor of chemistry and toxicology, Dr. Emil Alexander de Schweinitz.

A MONUMENT in honor of Professor Tarnier was unveiled in Paris, on June 1, and handed over to the city by Professor Brouardel. *The British Medical Journal* states that the monument—which is a high relief by the well-known sculptor, Denys-Pusch—represents Tarnier, in the blouse and apron he wore in hospital, standing at the bedside of a mother who holds her infant in her arms, whilst at the head of the bed is indicated an incubator. An elegant portico by the architect Scellier, of Gison, serves as a frame to the marble, and this decorates the rounded end of the Clinique Tarnier, which faces the Boulevard Montparnasse at the junction of the Rue d'Assas and the Avenue de l'Observatoire. Above the sculpture are the words 'Tarnier, 1828-1897,' while below is the inscription, 'To the Master, who devoted his life to the mothers and infants: his colleagues, his pupils, his friends, his admirers.'

THE deaths are announced of Dr. Franz Pless, emeritus professor of chemistry at Lemberg, at the age of eighty-six years, and of Dr. A. A. Stuckenberg, professor of geology at Kasan.

THERE will be a New York state civil service examination, on July 19, to fill the position of chief of the Bureau of Statistics and Information of the Department of Agriculture, with a salary of \$1,500; and of assistant in

photographic chemistry in the Cancer Laboratory at Buffalo, at a salary of \$720.

A NEW pharmacological Institute has been opened at Vienna under the direction of Professor Mayer.

#### UNIVERSITY AND EDUCATIONAL NEWS.

THE Ontario legislature is expected to provide \$500,000 for Toronto University, part of which will be used for a university hospital.

MRS. E. C. THAYER, of Keene, N. H., has given \$50,000 to Brown University for general purposes.

MRS. THOMAS F. RYAN has given \$50,000 to Georgetown University towards the cost of the new gymnasium.

DEAN W. N. POLK, of the Cornell Medical College, has given \$15,000 for the establishment of John Metcalf Polk memorial prizes for medical students.

Two traveling scholarships of the value of \$1,500 each have been established at the University of Paris for women who intend to become teachers.

THE formal dedication of the new physical laboratory at Purdue University took place on May 20. The principal address was by Professor Henry S. Carhart, of the University of Michigan, his subject being 'Some Leaders in Physical Science.'

THE School of Applied Science of the State University of Iowa has been reorganized into a college, and the present director of the school, Professor William G. Raymond, has been made dean. A new fireproof building is being erected, and is expected to be in service before the end of this year. Contract has just been let for the building of a dam across the Iowa River below the university grounds. This dam, besides providing a sheet of slack water about two miles long on which the university borders, will provide power for the institution, and for experimental purposes, and will have constructed near one end a canal across which removable dams of various sections will be placed for the study of flow over such structures.

THE Rev. Dr. Herbert Walsh Welch has been installed as president of the Ohio Wesleyan University.

PROFESSOR E. B. LOVELL, of Columbia University, has declined the call to be dean of the College of Civil Engineering of Cornell University, owing to the fact that certain alumni have objected to the appointment.

PROFESSOR CHARLES G. ROCKWOOD has become professor emeritus of mathematics at Princeton University.

PROFESSOR GEORGE W. PLYMPTON, head of the department of civil engineering in the Polytechnic Institute of Brooklyn, will retire at the end of the academic year.

At the Johns Hopkins University Dr. Florence R. Sabin has been promoted to be associate professor of anatomy. Other appointments in the medical faculty are: Dr. William S. Baer, associate in orthopedic surgery; Dr. Thomas R. Boggs, associate in medicine; Dr. Charles H. Bunting, associate in pathology; Dr. Richard H. Follis, associate in surgery; Dr. William W. Ford, associate in bacteriology; Dr. J. Morris Slemmons, associate in obstetrics; Dr. George Walker, associate in surgery; Dr. J. Hall Pleasants, instructor in medicine; Dr. Francis C. Goldsborough, assistant in obstetrics; Dr. Arthur W. Meyer, assistant in anatomy; Dr. Robert Retzer, assistant in anatomy, and Dr. George H. Whipple, assistant in pathology. The two university fellows in pathology and physiology are Drs. Ernest K. Cullen and J. A. E. Eyster.

MR. WM. HARPER DAVIS, instructor in philosophy and psychology at Lehigh University, has been elected assistant professor, in charge of the department.

DR. E. L. NORTON, of the University of Wisconsin, has been appointed instructor in philosophy at Adelbert College.

APPOINTMENTS at Yale University have been made as follows: Seth E. Moody, Howard D. Newton, Carl O. Johns and Paul M. Butterfield, assistants in chemistry; Dr. C. B. Rice, instructor in applied electricity; Luther C. Weeks, assistant in mathematics; Philip H. Mitchell, assistant in physiological chemistry.