

libraries, laboratories, observatory, meteorological, piscicultural and forestry schools and kindred institutions of the several departments of the government.

"6. To insure the prompt publication and distribution of the results of scientific investigation, a field considered to be highly important.

"These and kindred objects may be attained by providing the necessary apparatus, by employing able teachers from various institutions in Washington and elsewhere, and by enabling men fitted for special work to devote themselves to it, through salaried fellowships or scholarships, or through salaries, with or without pensions in old age, or through aid in other forms to such men as continue their special work at seats of learning throughout the world."

The meeting for organization of the board of trustees and the election of officers has been called for January 29, at the office of the Secretary of State in Washington.

SCIENTIFIC NOTES AND NEWS.

PRESIDENT IRA REMSEN, of the Johns Hopkins University, has been elected president of the American Chemical Society.

PROFESSOR H. W. CONN, of Wesleyan University, has been elected president of the American Society of Bacteriologists.

THE Society for Plant Morphology and Physiology held a successful meeting at Columbia University on December 31, 1901, and January 1, 1902, of which a full account will soon appear in SCIENCE. Officers for the ensuing year were elected as follows: *President*, V. M. Spalding, University of Michigan; *Vice-President*, Byron D. Halsted, Rutgers College; *Secretary-Treasurer*, W. F. Ganong, Smith College. The Society will meet next year at Washington with the other scientific societies.

At the annual election of officers of the California Academy of Sciences, held January 6, 1902, the following were elected to serve in the various offices of the Society during the ensuing year: *Presi-*

dent, David Starr Jordan; *First Vice-President*, M. W. Haskell; *Second Vice-President*, H. H. Behr; *Corresponding Secretary*, J. O'B. Gunn; *Recording Secretary*, J. W. Hobson; *Treasurer*, L. H. Foote; *Librarian*, Louis Falkenau; *Director of Museum*, Leverett M. Loomis; *Trustees*, William M. Pierson, James F. Houghton, William H. Crocker, C. E. Grunsky, E. J. Molera, George C. Perkins, George W. Dickie.

CASWELL GRAVE, Ph.D. (Johns Hopkins), now instructor in zoology at the Johns Hopkins University, has been appointed director of the United States Fish Commission Station at Beaufort, N. C.

DR. J. KRIECHBAUMER, senior curator of the zoological collections at Munich, has retired.

A ROYAL commission has been appointed to inquire into the question of the coal supplies of the United Kingdom. It includes among its members H. B. Dixon, M.A., professor of chemistry and metallurgy in the Owens College, Manchester; J. S. Dixon, mining engineer and coalmaster, president of the Mining Institution of Scotland, and president of the Institution of Mining Engineers of Great Britain; C. Le Neve Foster, D.Sc., B.A., F.R.S., professor of mining in the Royal College of Science, South Kensington, and lately one of his majesty's inspectors of Mines; Edward Hull, M.A., LL.D., F.R.S., lately director of the Geological Survey of Ireland; Charles Lapworth, LL.D., F.R.S., professor of geology and physiography in the Birmingham University, and J. J. H. Teall, M.A., F.R.S., president of the Geological Society of London and director of the Geological Survey of the United Kingdom.

A FUND is being raised to perpetuate the memory of the late Professor Tate, for twenty-six years professor of natural science in the Adelaide University. It is proposed to erect a memorial tablet and to establish a Tate medal for geology.

MR. C. L. A. DE NICÉVILLE died at Calcutta on December 3, of malarial fever contracted in the Terai in pursuit of his investigations as state entomologist of India, an appointment which had been created for him. He was the

author of 'The Butterflies of India, Burmah, and Ceylon,' and other contributions to entomology.

THE death is announced of M. Charles Maunoir, for thirty-seven years secretary of the Paris Geographical Society, and the author of annual reports on geographical discoveries.

MR. and MRS. HAROLD S. MCCORMICK, of Chicago, have founded a memorial institute for infectious diseases to commemorate their son who died recently from scarlet fever. The endowment of the institute is said in the daily papers to be \$1,000,000. Dr. Frank Billings is president of the board of trustees and Dr. Ludvig Hektoen has been appointed director of the institute.

It is reported that Secretary Long will renew his request to Congress for an appropriation of \$230,000 for the purchase of land and the erection of a building for the use of the naval hydrographic service.

MR. ANDREW CARNEGIE has offered \$25,000 for a public library building at Melrose, Mass.; \$20,000 for a library building at Saratoga Springs, N. Y., and the same sum for a similar building at St. Catherine's, Ont.

SUBSCRIPTIONS amounting to over \$105,000 were announced at the annual meeting of the New York Historical Society toward the new building, which is to be erected at Central Park West, between Seventy-sixth and Seventy-seventh Streets.

THE library of the late Baron von Norden-skjöld has been purchased by the University of Helsingfors for about \$50,000.

A REUTER'S telegram states that Mr. William Bruce, the leader of the Scottish Antarctic expedition, has purchased the Norwegian steam whaler *Hecla* for his forthcoming expedition. The vessel will shortly be brought over to be refitted on the Clyde, where Mr. Bruce is availing himself of the guidance of Mr. G. L. Watson, the yacht builder. The *Antarctic*, with Professor Nordenskjöld's South Polar expedition on board, left Buenos Ayres on December 20 for the Falkland Islands. The *Discovery* left Lyttleton on De-

cember 21. The leakage has been stopped, except in the fore-peak, where eight minutes' pumping daily is sufficient.

THE Arctic Club held its eighth annual dinner at Hotel Marlborough, New York City, December 28, Professor William H. Brewer presiding.

At the recent Columbia meeting of the Society for Plant Morphology and Physiology, it was pointed out that the American members of the Association Internationale des Botanistes will soon be called upon to vote by ballot for two members of the general committee. It was felt that in the absence of nominations the votes would be scattering and perhaps in many cases not cast at all. No body of botanists appears to have authority to make such nominations, but it was suggested that as this Society had managed the correspondence with the former owners of the *Botanisches Centralblatt*, and later with the officers of the Association Internationale, it might not seem inappropriate for this Society to suggest such nominations. Accordingly, on this basis, the Society nominated Professors C. E. Bessey and W. F. Ganong.

THE Archeological Institute of America has this year established a traveling fellowship for researches in Central America, and Mr. Alfred M. Tozzer, who was last year a graduate student at Harvard, taking Professor Putnam's research course in American Archeology and Ethnology, has been appointed to the fellowship. During the past summer Mr. Tozzer accompanied Professor Putnam to New Mexico where he was successful in a study of the language and ceremonies of the Navajo Indians. During the summer of the previous year he was engaged in similar research among the Indians of California. He is thus in many ways especially qualified for this research in Central America. Mr. Tozzer is now on his way to Yucatan for the purpose of studying the language and customs of the Mayas, preliminary to a study of the Maya hieroglyphs, and with the hope that there may possibly be some tradition which would give a clue to some of the glyphs. The Institute Committee on this fellowship consists of

Messrs C. P. Bowditch, F. W. Putnam and Franz Boas.

DR. J. B. MATTISON, of Brooklyn, has offered a prize of \$400 for the best paper on the subject: 'Does the Habitual Subdermic Use of Morphine cause Organic Disease? If so, What?' The contest will be open for two years from December 1, 1901, to any physician in any language.

THE Senate Committee on Commerce has reported a bill creating a department of commerce. It makes the secretary of commerce a member of the Cabinet and transfers to the new department the following bureaus: Life Saving Service, Lighthouse Board, Lighthouse Service, Marine Hospital Service, Steamboat Inspection Service, Bureau of Navigation and United States Shipping Commissioners, Bureau of Immigration, Bureau of Statistics, the United States Coast and Geodetic Survey, the Commission of Railroads, the Census Office, the Patent Office, the Department of Labor, Commission of Fish and Fisheries and the Bureau of Foreign Commerce of the State Department. A Bureau of Manufactures and a Bureau of Mines and Mining are to be established in the new department.

THE Association for Promotion of Scientific Research by Women announces that applications should be received before March 1 for the American Woman's Table at the Zoological Station at Naples and for the Investigators' Table at the Marine Biological Laboratory at Wood's Holl. Further information may be obtained from the secretary, Miss Cornelia M. Clapp, Mount Hadley College, Mass.

THE thirty-sixth annual winter course of Sheffield Lectures in the Sheffield Scientific School of Yale University has been announced. The following are the subjects and lecturers:

January 17—'The Future of South Africa': MR. JOHN HAYS HAMMOND.

January 24—'The Mosquito Story': DR. L. O. HOWARD.

January 31—'Animal Intelligence': PROFESSOR L. B. MENDEL.

February 7—'Engineering Feats in Bridge Construction': FRANK W. SKINNER, C.E.

February 14—'Through the First Antarctic Night': DR. F. A. COOK.

February 21—'The Life History of a Lake': PROFESSOR H. E. GREGORY.

February 28—'The Water Resources of the Country, and their Importance to the Community': MR. F. H. NEWELL.

March 7—'The Wild Bird at Arm's Length; new methods in the Study and Photography of Birds': PROFESSOR F. H. HERRICK.

March 14—'Some Recent Doings in Astronomy': DR. F. L. CHASE.

March 21—'Niagara Falls, in Relation to Social and Economic Problems': PROFESSOR W. H. BREWER.

THE Harben Lectures of the Royal Institute of Public Health were given in King's College, London, on January 13, 14 and 15, by Dr. Max Gruber, professor of hygiene, and director of the hygienic institute in the University of Vienna. The subject of the lectures was the 'Anti-bodies of the Blood.'

IN the new Budget for the German Imperial Home Office, a sum of 12,000 Marks is allocated for the institution of researches on protozoa and one of 150,000 Marks for the prosecution of researches on tuberculosis and the means of preventing its spread.

A COMMITTEE has been appointed to consider the question of making the museum at Cardiff a national museum for Wales.

AT a recent meeting of the Archeological Section of the Wisconsin Natural History Society, a committee was appointed to investigate the feasibility of preserving a small group of three dome-shaped mounds located in the city of Wankesha.

THE *British Medical Journal* states that according to a custom, which is doubtless less out of place in Spain than it would be elsewhere, the Royal Academy of Medicine of Madrid recently attended in a body a solemn mass for the repose of the souls of deceased members, of Spanish physicians and surgeons whose work had reflected luster on their country, and of benefactors of the Academy.

OVER 200 persons have already enrolled for membership in the proposed American Electro-Chemical Society. The first meeting for definite organization and reading of papers

and discussion will probably be held in Philadelphia about Easter. A gathering of electrochemists from all parts of the United States is assured.

At the annual meeting of the Montana State Teachers' Association, held at Missoula, Mont., during the holidays, a Montana Academy of Sciences, Arts and Letters was organized. The following officers were elected: *President*, Morton J. Elrod, Professor of Biology, University of Montana; *Vice-President*, Department of Science, B. E. Tollman, Professor of Mathematics, Montana College of Agriculture and Mechanic Arts; *Vice-President*, Department of Arts, L. S. Footh, State School of Mines; *Vice-President*, Department of Letters, H. H. Swain, president of State Normal; *Secretary-Treasurer*, W. D. Harkins, Professor of Chemistry, University of Montana; *Librarian and Custodian*, B. E. Toan, Butte High School. The location of the academy is at Missoula.

THE Des Moines Geographical Exposition, held under the auspices of the Science Teachers of Iowa in connection with the meeting of the State Teachers' Association, was very successful. Its scope comprised the apparatus and appliances needful to the teaching of physical geography. Some forty models were on exhibition by Howell, Ward, Ginn and Andrews, including a series from the laboratory of Cornell College, showing methods of building models in various materials. About 1,000 lantern slides were shown from selected lists of American and British dealers, with several of the best lanterns for high schools. Besides physical wall maps of all the leading series, a large exhibit was made in this section of topographic maps from the United States Geological Survey, the Mississippi river commission, the coast survey and the surveys of several European countries. Sets of rocks and minerals suitable for high schools were shown. In the section devoted to literature the publications of the Iowa Geographic Survey were placed, together with the books and periodicals, American and foreign, most needful for the school library, or for that of the teacher. In photographs the

exposition was especially rich. Hoelzel, of Vienna, sent the well-known 'Charakterbilder' and the Detroit Photographic Co., the series of typical color photographs in physiography selected by Professor Norton, of Cornell College. Other exhibitors in this section were Haynes, the U. S. Geological Survey, Stoddard and Notman and James. In meteorology an exhibit was made by the U. S. Hydrographic office and by Queen & Co. The exposition was directed by Professor W. H. Norton, of Cornell College, and Mr. A. W. Brett, of the West Des Moines High School.

THE public health bulletin for last week contains reports to Surgeon General Wyman from officers of the Marine Hospital Service on the theory that the germs of malarial and yellow fevers are transmitted by the bite of the mosquito. Dr. Gorgas, chief sanitary officer at Havana, reports no cases of yellow fever deaths from that disease in the Cuban capital during the month of November, a condition not obtaining for years. This result Dr. Gorgas attributes to the system introduced last February of killing mosquitoes in the neighborhood of each point of infection, with the result that the mosquitoes in Havana this year are only about one tenth as numerous as last year.

A BILL has been introduced into Congress by Mr. Hepburn calling for many changes in the Marine Hospital Service. It is proposed, says the *New York Medical Record*, to alter the name to the United States Health Service, in order to bring the title more into harmony with the work which the evolved service is now doing. The officers of the new service will be the same as of the old, except that those in charge of the administrative departments in Washington will be called assistant surgeons-general, and the pay of the surgeon-general will be increased to equal that of the surgeon-general of the army. A consulting board is to be created to advise the surgeon-general of the new service in matters relating to public health, and this officer will also consult with delegates from the health departments of the various States and territories of the Union. Uniformity in the registration of vital statistics is provided for by the bill. It

will be the duty of the surgeon-general of the new service to prepare proper forms for collecting the data, in conjunction with the State boards of health, and to compile and publish them as a part of the reports of the service. The consulting board above mentioned will consist of the surgeons-general of the army and navy, the Chief of the Bureau of Animal Industry in the Agricultural Department, and the director of the laboratory in that bureau, and five other members not regularly in government employ. The service will remain a bureau of the Treasury Department.

THE new Health Board of New York City, at its first meeting, made an important departure from precedent by creating a medical advisory board of twelve prominent physicians with Professor Charles F. Chandler, of Columbia University, at the head, with the title of consulting sanitarian. The Board is to serve without pay. Its other members are:

Dr. Edward G. Janeway, Dean of the Faculty of the University of Medicine and Bellevue Hospital Medical College, and former Commissioner of Health.

Dr. Joseph D. Bryant, Professor of Surgery, University and Bellevue Hospital Medical College, and former Commissioner of Health.

Dr. T. Mitchell Prudden, Director of the Department of Pathology, College of Physicians and Surgeons; Vice-President of the Rockefeller Institute for Medical Research.

Dr. William M. Folk, Dean of the Faculty of Medicine, Cornell Medical College.

Dr. A. Jacobi, former President of the Academy of Medicine; Professor of the diseases of children, College of Physicians and Surgeons.

Dr. John Wintres Brannan, President Board of Governors of the Minturn Hospital; President Medical Board of the hospitals of the Department of Health.

Dr. Richard H. Derby, surgeon, New York Eye and Ear Infirmary.

Dr. I. Emmet Holt, President of the Medical Board, Babies' Hospital; Secretary Board of Trustees, Rockefeller Institute for Medical Research.

Dr. Alexander Smith, Professor of the Principles and Practice of Medicine, University and Bellevue Hospital Medical College.

Dr. Francis P. Kinnicutt, Clinical Professor of Medicine, College of Physicians and Surgeons.

Dr. Henry R. Loomis, Professor of Materia Medica and Therapeutics, Cornell University Medical College.

As its medical adviser the Board selected Dr. Herman M. Biggs.

THE *Lancet* states that Professor Virchow's eightieth birthday was celebrated with much enthusiasm in Bahia, Brazil. In honor of the occasion a very numerous attended public meeting was held on October 13, the company present including the Governor of the State, the President of the Municipal Council, the German Consul and the Director of the Schools of Medicine, Jurisprudence and Engineering. The arrangements were made by the Gremio dos Internos dos Hospitais da Bahia, an association of the internes of the hospitals, and the meeting took place in the handsomely decorated hall of the Gremio Literario. M. Pontes, the president of the association, opened the proceedings with an address, after which the Governor of the State took the chair. Professor Juliano Moreira, speaking in the double capacity of a member of the medical profession and one of the editorial staff of the *Gazeta Medica* of Bahia, gave a comprehensive review of Professor Virchow's achievements, not only as a physician and a pathologist, but also as a biologist and as a *savant* whose methods of research had influenced every branch of human knowledge. He concluded by reading aloud a Latin address to Professor Virchow written on parchment for the purpose of being sent to him. M. Paranhos, speaking in the name of the *Revista do Gremio*, gave a sketch of the vast amount of work which Professor Virchow had contrived to crowd into the space of 60 years. Addresses were also delivered by M. Oscar Freire, representing the Gremio dos Internos, and by Dr. Egas Moniz, speaking in the name of the Gremio Literario and of a number of German journals of Paraná and Rio Grande do Sul. Poems in honor of Germany and Professor Virchow were recited by the last-named gentleman and by M. Damasceno Vietra, after which the national airs of Germany and Brazil were played by the band. The October issue of the *Gazeta Medica* of Bahia, the *doyen* of the

medical press of North Brazil, is entirely a "Virchow number," in which the life and work of the venerable *savant* are treated in six elaborate articles by Professor Juliano Moreira, Dr. Alfredo de Andrade, Professor Pacifico Pereira, Dr. Americo Fróes, Professor Matheus dos Santos and Dr. Afranio Peixoto. The *Revista do Gremio dos Internos dos Hospitales* has also published a special Virchow number.

UNIVERSITY AND EDUCATIONAL NEWS.

DR. NICHOLAS MURRAY BUTLER, professor of philosophy and education, and since the resignation of Dr. Seth Low acting-president of Columbia University, was elected president of the University on January 6 by unanimous vote of the trustees.

THE University of Wooster, at Wooster, O., will replace the building recently destroyed by fire. Dr. D. K. Pearsons of Chicago has given \$100,000 to the institution for this purpose on condition that Wooster and Wayne Counties raise \$40,000 and the Synod of Ohio \$100,000 by February.

COLUMBIA UNIVERSITY has received an anonymous gift of \$100,000, and a gift of \$3,000 from Mr. Adolph Lewisohn for the purchase of a complete set of German dissertations for the doctorate.

WILLIAM H. CHAPMAN, president of the Savings Bank of New London, has presented to the city, through the board of school visitors, \$100,000 for the building and equipment of a manual training school for use in connection with the public school system.

MR. JOHN D. ROCKEFELLER has offered to give Brown University \$75,000 for the erection and furnishing of a building to be used for social and religious purposes, on condition that \$25,000 be secured as an endowment fund for the building before the next commencement.

By subscriptions from the alumni, \$50,000 have been collected for the new Hall of Commons at Hamilton College. It will be built during the summer.

WASHINGTON UNIVERSITY, St. Louis, receives, by the will of Colonel George E. Leighton, \$25,000, and by that of Mr. William E. Huse, \$20,000. Both these gentlemen were members of the board of directors of that institution.

THE 'New England Building,' at Vassar College, containing laboratories for the departments of biology, physiology and geology, was formally opened on January 8, when a reception was given there by the board of trustees. The name commemorates the fact that the building fund of \$50,000 was the gift of alumnæ residing in New England.

DR. CHARLES W. DABNEY, president of the University of Tennessee, Knoxville, has received a proposition from eastern philanthropists to establish a summer school at the University, the school to be free for teachers from all over the South.

DR. HERBERT A. GILES, professor of Chinese at Cambridge University, will give the first course of lectures for the new Chinese department of Columbia University.

THE following appointments have been made at the University of Toronto: Dr. W. H. Piersol, instructor in biology and histology; C. M. Fraser, assistant in zoology; R. B. Thompson, class assistant in botany; Dr. S. H. Westman, laboratory assistant in histology; Dr. R. E. Hooper, Dr. J. A. Roberts, Dr. W. J. McCallum, and Dr. A. F. Adams to be class assistants in histology; M. H. Embree and E. A. McCallum, class assistants in biology.

MR. HENRY STEWART MACRAN, fellow of Trinity College, Dublin, has been elected professor of mental and moral philosophy in the University of Dublin in the room of Mr. Swift Paine Johnston, who has been appointed one of the assistant commissioners of the board of intermediate education.

THE general board of studies of Cambridge University will during the Lent term proceed to the appointment of a Sidgwick University lecturer in moral science. It is desired that psychology should be one of the subjects on which the lecturer is prepared to lecture. The appointment will be for five years.