

ited, and papers given in this manner are always much better received.

The current year has been remarkably successful for The American Chemical Society, and the membership instead of falling off when the dues were increased to \$8 has been largely augmented, and by the end of the year will be approximately thirty-five hundred. *Chemical Abstracts* thus far has exceeded all expectations, and some of the earlier numbers have had to be reprinted to meet the demand. This result is especially encouraging when we remember that a printers' strike and other delays, beyond the control of the editor and outside of his office, have made its appearance annoyingly irregular. The attention of members is called to the fact that this matter has received most careful and business-like attention, and most positive assurances have been received that the new publishers will issue both *Journal* and *Abstracts* on time beginning with the new year.

The summer meeting at Toronto was eminently successful and will be ever remembered by those present. Prospects for the Chicago meeting this winter are very bright, and all members of the society are urged to make every effort to be present. The friendships formed and "esprit de corps" gained at these meetings are of inestimable benefit to the individual and to the profession.

During the year a number of important committees have been appointed and reports made, all of which are published in the proceedings. The offices of editor and secretary have been separated, an associate editor has been engaged whose time is given to the *Journal* and *Abstracts*, and funds for a stenographer have been voted to the editorial office.

Local sections have been established with headquarters at Syracuse, N. Y., St. Louis, Mo., and Madison, Wis.

President Bogert has been especially interested and active in considering the needs and desires of our industrial chemists, and a committee of prominent chemists representing important lines of industry and headed by William D. Richardson, of Swift & Co., Chi-

cago, is now considering the publication of a *Journal of Industrial Chemistry* for the benefit of our members. Their success will depend largely upon the size of our membership, as funds are required for all such undertakings.

CHARLES L. PARSONS,  
*Secretary*

#### THE AMERICAN PHYSIOLOGICAL SOCIETY

THE American Physiological Society will hold its twentieth annual meeting in Chicago, during convocation week, beginning on December 31, 1907. Members of the society are requested to inform the secretary at their earliest convenience whether they intend to be present. The society will hold joint sessions with the American Society of Biological Chemists and with Section K—Physiology and Experimental Medicine—of the American Association for the Advancement of Science. The place of meeting will be Room 25, Physiology Building of the University of Chicago. Titles of communications to be offered at the meeting may be sent to the secretary. Inquiries regarding apparatus and other necessities for demonstrations may be addressed to Professor A. J. Carlson (for physiological apparatus), or Professor A. P. Mathews (for chemical apparatus), at the University of Chicago. Further details regarding the headquarters of the society and other local arrangements will be announced later.

LAFAYETTE B. MENDEL,  
*Secretary*

SHEFFIELD SCIENTIFIC SCHOOL,  
YALE UNIVERSITY

#### SCIENTIFIC NOTES AND NEWS

THE committee on policy of the American Association for the Advancement of Science held a meeting in New York City on November 19. All the members of the committee were present, namely, President R. S. Woodward, chairman; Dr. William H. Welch, retiring president of the association; Professor Edward L. Nichols, president-elect; Dr. L. O. Howard, permanent secretary; Professor J. McK. Cattell, Professor H. L. Fairchild and Professor Charles L. Minot. The business

transacted by the committee will be brought before the council of the association at the approaching Chicago meeting.

GENERAL CYRUS B. COMSTOCK, Corps of Engineers, U. S. A., has given to the National Academy of Sciences, of which he is a member, the sum of \$10,000, the income from which is to be devoted to the advancement of knowledge in magnetism, electricity and radiant energy.

M. GASTON DARBOUX, president of the first general assembly of the International Association of Academies and permanent secretary of the Paris Academy of Sciences, has transmitted to the National Academy of Sciences a copy of a plaque by the engraver M. Vernon, authorized by the French government to commemorate the first general assembly of the International Association of Academies held in Paris in 1901.

THE following is a full list of those to whom the Royal Society has this year awarded medals: The Copley medal to Professor A. A. Michelson, of Chicago, For. Mem. R.S., for his investigations in optics; a royal medal to Dr. Ernest William Hobson, F.R.S., for his investigations in mathematics; a royal medal to Dr. Ramsay H. Traquair, F.R.S., for his discoveries relating to fossil fishes; the Davy medal to Professor E. W. Morley, Western Reserve University, for his contributions to physics and chemistry, and especially for his determinations of the relative atomic weights of hydrogen and oxygen; the Buchanan medal to Mr. W. H. Power, C.B., F.R.S., for his services to sanitary science; the Hughes medal to Professor Ernest H. Griffiths, F.R.S., for his contributions to exact physical measurement; the Sylvester medal to Professor Wilhelm Wirtinger, of Vienna, for his contributions to the general theory of functions.

THE Royal Swedish Academy of Science in Stockholm has elected Professor Theodore W. Richards, of Harvard University, to foreign membership.

THE honors announced on the occasion of the birthday of King Edward include: Professor T. Clifford Allbutt, F.R.S., has been

appointed a knight commander of the Order of the Bath. The honor of knighthood has been conferred on Dr. W. H. Allchin, consulting physician to the Westminster Hospital, a member of the medical consultative board to the admiralty, and one of the representatives of the Royal College of Physicians of London on the senate of the University of London; on Dr. W. J. Thompson, physician to Jervis Street Hospital, Dublin, who is one of the committee engaged in dealing with the prevalence of tuberculosis in Ireland; and on Mr. Charles Whitehead, who is associated with scientific agriculture. Dr. A. Theiler, government veterinary bacteriologist, Transvaal, has been appointed a companion of the Order of St. Michael and St. George.

DR. FIELD HALVORSEN, of the University of Christiania, who has been sent by his government to study American methods of teaching technical chemistry, is attending the regular lectures and laboratory exercises at the Massachusetts Institute of Technology. For the past three years Dr. Halvorsen has been studying German methods in the technical school at Charlottenburg.

THE third lecture in the Harvey Society course will be delivered by Professor David Edsall, University of Pennsylvania, at the New York Academy of Medicine, on Saturday, November 30, at 8:30 P.M. Subject: "The bearing of metabolism studies on clinical medicine." All interested are invited to be present.

PROFESSOR R. W. WOOD, of the Johns Hopkins University, lectured at Lehigh University, on November 8, on "Modern Airships and Flying-machines."

PROFESSOR C. F. BINNS, director of the New York State School of Ceramic Arts, Alfred University, lectured before the Syracuse Chapter of Sigma Xi on November 15. His subject was "Clays, chemical, physical and empirical."

MR. J. S. HUNTER, deputy game and fish commissioner of California, gave an address on November 19 before the Zoological Club of the University of Nebraska on the "Fauna of the Galapagos Islands." Mr. Hunter was

a member of the scientific party which was sent out by the California Academy of Sciences in 1905, and spent more than a year in and about the islands. His talk was illustrated with original photographs.

At a meeting of the Philadelphia Botanical Club at the Academy of Natural Sciences, on November 21, the following resolutions were unanimously adopted:

**WHEREAS:** The Philadelphia Botanical Club has learned of the sad death of the distinguished botanist, Lucien M. Underwood, professor of botany in Columbia University, be it

*Resolved*, That by his death botanical science has suffered an irreparable loss, his personal character, his professional standing and his scientific attainments, particularly in his special line of work on the ferns and allied plants, having won for him the sincere admiration and regard not only of his associates, but of his fellow workers in the field of science.

*Resolved*, That the Philadelphia Botanical Club records its appreciation of his labors and its deep sense of the loss which American botanical science has sustained.

**PROFESSOR STORM BULL**, head of the department of mechanical engineering and for twenty-eight years a member of the faculty of the college of engineering at the University of Wisconsin, died at his home on November 18. He was born at Bergen, Norway, in 1856, and was eminent for his work in steam engineering.

**CHARLES S. MAGOWAN**, professor of municipal and sanitary engineering in the College of Applied Science in the State University of Iowa, died on November 14, after an illness of some months duration. Professor Magowan had been a member of the faculty of the University of Iowa for twenty-one years.

**ANNOUNCEMENT** is made that Mr. John D. Rockefeller has given securities of the value of \$2,600,000 to form the endowment of the Rockefeller Institute for Experimental Research, New York City. It is understood that Mr. Rockefeller had previously given \$1,200,000 for buildings and current expenses.

**DR. THOMAS W. EVANS**, a Philadelphia dentist, long resident in Paris, who died some ten years ago, left nearly his entire estate to

found in Philadelphia the Dr. Thomas W. Evans Museum and Institute Society. There has been continuous litigation which it is said is now ended, and the museum and institute will receive about \$1,100,000. It appears that the lawyers in the course of the litigation have received about three times this amount, in addition to interest on the estate.

**MISS HELEN CULVER**, of Chicago, well-known as a friend and benefactor of the sciences, has endowed the Geographic Society of Chicago with the Helen Culver Gold Medal to be awarded for eminent service to geographic sciences. The first award was made to the distinguished Norwegian scientist and explorer, Captain Roald Amundsen, on the occasion of his address before the society on November 13, 1907.

THE will of the late Edmund von Mojsisovics the Austrian geologist bequeathes to Vienna Academy of Sciences, of which he was a member, the sum of one million crowns.

THE twenty-fifth annual congress of the American Ornithologists' Union will convene in Philadelphia, on December 9, at 8 P.M. The evening session will be devoted to the election of officers and the transaction of other routine business. The meetings, open to the public and devoted to the reading and discussion of scientific papers, will be held in the lecture hall of the Academy of Natural Sciences, 19th and Race Streets (Logan Square), commencing on Tuesday, December 10, and continuing for three days. Information regarding the congress can be had by addressing the secretary, Mr. John H. Sage, Portland, Conn.

THE annual meeting of the New York State Science Teachers' Association will, as has been announced, be held on December 27 and 28 at Ithaca, N. Y. The scientific equipment of Cornell University will be at the disposal of those attending the meeting and an interesting program may be expected. All who expect to attend are urged to send suggestions as to things they would like to see, program, etc., to the chairman of the local committee, Mr. J. S. Shearer, Ithaca, N. Y. The association will be guests of the university at

luncheon each day. The headquarters for the meeting will be in Rockefeller Hall, the new physical laboratory of the University. Those having mail forwarded should have it sent to Room 125, Rockefeller Hall, or to their hotel.

THE Italian Association for the Advancement of Science ("Società per il Progresso delle Scienze") has been subdivided into the following fourteen sections: I. Mathematics, Astronomy, Geodesy; II. Physics, Geophysics, Meteorology; III. Mechanics and Engineering, Electrotechnic; IV. Chemistry; V. Agronomy; VI. Geography; VII. Mineralogy, Geology, Paleontology; VIII. Botany; IX. Zoology and Comparative Anatomy; X. Anthropology, Ethnography, Palethnography; XI. Anatomy, Histology; XII. Physiology; XIII. Pathology, Hygiene, Bacteriology; and XIV. Statistics and Economics.

It is stated in the English papers that the Kashmir electric scheme is expected to produce 20,000 h.p., and to be the most important undertaking of the kind in India. The current will be utilized to light Srinagar, as also to heat the silk factory there, which is said to be the largest in the world. It will likewise operate the dredging fleet on the Jhelum, will work the wool factory, and other concerns. There will then remain a balance of 8,000 to 10,000 h.p., for sale in the Punjab for lighting Abbottabad and Rawalpindi, as also for railway traction purposes. The dredging of the River Jhelum will tend to prevent the disastrous floods in the Kahmir Valley and will convert many thousands of acres of swamp into fertile land.

#### UNIVERSITY AND EDUCATIONAL NEWS

UNDER the will of Lyman F. Rhoades of Boston, bequests of \$100,000 go to various educational and charitable institutions, among which are Boston University, which is to receive \$20,000, and the Massachusetts Institute of Technology, which is to receive \$6,000.

THE Oxford congregation has by a vote of 152 to 20 established a professorship of engineering science.

IN pursuance of the policy of the Schools of Mines, Engineering and Chemistry of Columbia University to have the regular courses of instruction supplemented by specialists, the following course of lectures, supplemented by laboratory demonstrations, has been arranged by Professor Adolph Black, of the department of civil engineering, in connection with the regular instruction in sanitary engineering to the third- and fourth-year students in civil engineering:

"Biological Examination of Drinking Waters, with Special Reference to Organisms other than Bacteria: Tastes, Odors, etc., Their Causes, Cure and Prevention," by Professor G. N. Calkins, Columbia University.

"Bacteriological Examination of Drinking Waters, and Standard Routine Laboratory Practice," by Dr. Daniel D. Jackson, Mt. Pleasant Laboratory, Brooklyn.

"Typhoid Fever in its Relation to Sanitary Engineering," by George C. Whipple, Assoc. M.A.S.C.E.

"Hydraulic and Sanitary Engineering in Australia: Water Supply, Water Purification, Sewage Disposal, Treatment of Special Problems," by Allen Hazen, M.A.S.C.E.

"Laboratory Demonstrations—Plating out; Different Culture Media, including Bile Salt Inhibitive Medium, Bacterial Count, etc.; Using Water before and after Filtration, Impure Water, etc.," at the College of Physicians and Surgeons, by Dr. P. H. Hiss, Jr., assisted by Professor Black.

PROFESSOR RICHARD C. MACLAURIN, of Victoria College, Wellington, New Zealand, has been elected professor of mathematical physics at Columbia University, filling the chair vacant by the resignation of Professor R. S. Woodward to accept the presidency of the Carnegie Institution in 1905.

PROFESSOR C. F. CURTIS RILEY, of the Kansas State Manual Training Normal School, has been appointed director of the biological laboratory and curator of the museum of the Minnesota State Normal School, Mankato, succeeding Professor F. L. Holtz, who has become head of the biological department of the Training School for Teachers in Brooklyn, N. Y.

MR. A. E. COLLINGE has resigned the chair of economic zoology at Birmingham.