

during the coming semester (commencing February 1, 1923) and summer session (commencing June 25, 1923).

Professor The Svedberg, of the University of Upsala, will be in residence at the university from February 1 to August 5. He will give two lectures a week on the general theory of colloids and will direct the experimental researches of a number of graduate students during the second semester. In the summer session the course of lectures given during the second semester will be repeated. Every necessary facility will be provided for the successful prosecution of researches. Those desiring to work under Professor Svedberg's personal direction, either during the second semester or during the summer session, should communicate promptly with Professor J. H. Mathews, chairman of the department, since only a limited number can be accommodated. The opportunity of hearing Professor Svedberg's lectures and doing work under his direction during the summer session will appeal to a great many professors and instructors at other educational institutions. A considerable number have already signified their intention of embracing this opportunity.

Professor Svedberg will also conduct a seminary in colloid chemistry which will meet weekly during the second semester. The first half will be devoted to general theory and the second to biological applications of colloid chemistry. In the latter half of the work he will be assisted by Professor Elmer Sevringhaus, of the department of physiological chemistry. Admission to the seminary will be open to chemistry students who have had a course in physical chemistry and who possess at least an elementary knowledge of the theory of colloids, and to advanced workers in the biological sciences.

From June 12 to 15 inclusive a national symposium on colloid chemistry will be held at Madison to which all scientists interested in colloid chemistry are invited. A program of exceptionally interesting papers is now being formulated, and definite assurance of the attendance of nearly all of the most prominent American workers in the colloid field has already been given. About twenty papers will be presented by the authors in person and there will be ample time for thorough discus-

sions. These discussions will be led by Professor Svedberg. More detailed information concerning the program of papers to be presented will appear later in these columns.

#### DISTINGUISHED SERVICE AWARDS TO CHEMISTS

THE men listed below, formerly connected with or assigned to the Chemical Warfare Service, as we learn from the *Journal of Industrial Chemistry*, have been awarded distinguished service medals for exceptionally meritorious and distinguished service in the following particulars:

Raymond F. Bacon, colonel, C. W. S., chief of Technical Division, A. E. F. Untiring energy, marked scientific attainment and comprehensive technical knowledge in the organization and operation of laboratory units and proving-ground tests.

Karl Connell, major, Medical Corps. Exposed himself unhesitatingly to highest concentrations of deadly gases while working with experimental models and masks. Invented, tested out and perfected a new type of gas mask superior to any then in existence.

Harry L. Gilchrist, lieutenant colonel, chief of the Medical Section, C. W. S., A. E. F. Not only performed services of the utmost value, both to the Medical Department and the Chemical Warfare Service, but developed a degassing unit for treating men exposed to mustard gas which proved so successful that it was adopted for the entire American Expeditionary Forces.

Byron C. Goss, lieutenant colonel, C. W. S., chemical adviser, office of chief, C. W. S., later as chief gas officer of First Corps, and finally, of Second Army. Exceptional ability and wide knowledge of gases; connected with practically every battle in which American troops were engaged.

Joel H. Hildebrand, lieutenant colonel, C. W. S., commandant, C. W. S., Experimental Field, A. E. F. Profound knowledge of chemistry, coupled with rapid grasp of military problems, enabled him to render services of value in determining the best means of using gas and gas materials in the field.

Edward N. Johnston, colonel, Corps of Engineers, assistant to chief, C. W. S., in France from June to December, 1918. Ability of high order in supervision of operations of all gas troops. Later also, to June, 1919, as acting chief of C. W. S. abroad, showed keen business ability and sound judgment in closing the chemical warfare

activities of the American Expeditionary Forces.

Gilbert N. Lewis, lieutenant colonel, C. W. S. Secured first-hand data in uses and effects of gas and submitted reports of such value that they became fundamentals upon gas warfare policies of the American Expeditionary Forces. As chief of the Defense Division, he was instrumental in securing more effective gas production, especially mustard gas.

Augustin M. Prentiss, major, General Staff Corps, then major, C. W. S. Knowledge of supplies and material, proper choice of gases, gas shells and other materials used by gas troops and artillery.

John W. N. Schulz, colonel, Corps of Engineers, representative, C. W. S., at general headquarters. Service in the solution of many problems relating to the offensive use of gas and also in planning more effective method for issuance of equipment and training in gas warfare. Later, as chief gas officer of First Army, had entire responsibility of gas warfare in that army during St. Mihiel and Meuse-Argonne offensives.

Richmond Mayo-Smith, lieutenant colonel, C. W. S., chief of Supply Section. Built and administered supply organization consisting of twelve seaport, intermediate and front-line depots, which fully met at all times the demands of chemical warfare supplies which active operations brought upon the service.

Joaquin E. Zanetti, lieutenant colonel, C. W. S., chief liaison officer, C. W. S., with French forces. Familiarity with French language and methods and superior technical ability enabled him to gather an enormous amount of detailed information concerning the manufacture, handling and use of gases.

## SCIENTIFIC NOTES AND NEWS

PROFESSOR ALBERT EINSTEIN, of the University of Berlin, has been elected a member of the Russian Academy of Science.

THE Accademia dei Lincei has elected as foreign members the mathematicians Professors E. T. Whittaker of the University of Edinburgh and E. Landau of the University of Göttingen.

THE Indian Mathematical Society has elected to honorary membership Professor G. A. Müller, of the University of Illinois.

At the meeting of the Royal Geographical Society on December 11, the French ambassador, on behalf of the Société de Géographie of Paris, presented a gold medal to Professor

J. W. Gregory for his geographical work in East Africa. Professor Gregory afterwards read a paper on the results of his recent journey in the mountains of Chinese Tibet.

PROFESSOR FREDERIC S. LEE, of Columbia University, has been elected president of the New York Botanical Garden.

At the Toronto meeting of the American Biochemical Society officers for 1923 were elected as follows: *President*, Professor Philip A. Schaffer, Washington University; *vice-president*, Professor H. C. Sherman, Columbia University; *secretary*, Dr. Victor C. Myers, New York Medical School, and *treasurer*, Dr. W. R. Bloor, Rochester.

At the fourteenth meeting of the Paleontological Society held at Ann Arbor on December 29 and 30, in affiliation with the Geological Society of America, the balloting for officers resulted as follows: *President*, T. W. Vaughan, Washington, D. C.; *vice-presidents*, W. A. Parks, Toronto, Ontario, W. H. Twenhofel, Madison, Wis., and O. P. Hay, Washington, D. C.; *secretary*, R. S. Bassler, Washington, D. C.; *treasurer*, R. S. Lull, New Haven, Conn.; *editor*, Walter Granger, New York City. Twenty-five papers covering the various sections of paleontology were presented and discussed and fourteen new members were elected, making the total membership of the society at the end of 1922 as 228.

THE Potato Association of America has elected Dr. W. H. Martin, of the New Jersey Experiment Station, as its president; G. C. Cunningham, of the Dominion Department of Agriculture, vice-president, and William Stuart, of the U. S. Department of Agriculture, secretary-treasurer.

DR. EUGENE L. OPIE, professor of pathology at Washington University School of Medicine, has been awarded a fund of \$3,000, by the National Tuberculosis Association of New York City, for the further development of his work on tuberculosis.

DR. IRA N. HOLLIS, president of Worcester Polytechnic Institute, has retired as a member of the council of the American Society of Mechanical Engineers. Dr. Hollis, who has just completed six years of service, one as president and five as past president, is suc-