

conditions tending to stimulate cooperation between manufacturing interests and our research laboratories in order to broaden as much as possible the applied features of our research work.

### SCIENTIFIC NOTES AND NEWS

DIRECTOR WILLIAM WALLACE CAMPBELL, of the Lick Observatory, University of California, has been elected a foreign member of the Royal Society.

THE annual gold medal of the British Institution of Naval Architects has been awarded to Professor G. W. Hovgaard, of the Massachusetts Institute of Technology, for his paper on "The Buoyancy and Stability of Submarines."

At the annual meeting of the Chemical Society, London, on March 21, the Longstaff medal for 1918 was presented to Lt.-Col. A. W. Crossley, for his work in the field of hydro-aromatic compounds.

THE University of Chicago has granted leave of absence to Professor Forest R. Moulton, of the department of astronomy and astrophysics, for one year, from April 1, 1918. He is commissioned major in the Ordnance Reserve Corps of the United States Army, and will have the duty of directing the computation of range tables and ballistic data.

DR. T. WINGATE TODD, F.R.S.C. professor of anatomy in the school of medicine of Western Reserve University, has been granted leave of absence from the university and commissioned captain in the Canadian Army Medical Corps. He is at present stationed at the Military Hospital of London, London, Ontario, and expects to see service in France within a few months.

DR. ROBERT W. HEGNER, of the University of Michigan, who has been carrying on research work at the Johns Hopkins University during the past year as Johnston scholar, has been reappointed and will continue his investigations there for another year.

T. B. WOOD, professor of agriculture in the University of Cambridge, has been appointed to the Development Commission of Great Brit-

ain, vice A. D. Hall, now secretary of the Board of Agriculture and Fisheries.

DR. ELBERT C. LATHROP has resigned his position as biochemist in the Laboratory of Soil Fertility Investigations, U. S. Department of Agriculture, to accept a research position with the Jackson Laboratory of the E. I. du Pont de Nemours Company, of Wilmington, Delaware.

MR. R. C. BERGEN, assistant editor of *Metalurgical and Chemical Engineering*, has resigned his position to go into manufacturing work. He has been with the journal since its change to a semi-monthly in 1915.

JOHN C. SCHELLENG has resigned his instructorship in the department of physics of Cornell University to accept a position in war work with the Westinghouse Electric Company.

THE course of lectures on "Symbolic logic" by Mrs. Christine Ladd-Franklin which was to have been given at Harvard University beginning on April 22, has been given up on account of the existing situation. These lectures were given earlier in the season at Columbia University before the Institute of Arts and Sciences.

PROFESSOR W. A. COGSHALL, of Indiana University, delivered recently an address before the St. Louis Academy of Science on "The problems of the total solar eclipse with particular reference to the Corona and the intra-mercurial planets."

PROFESSOR E. V. MCCOLLUM, of the school of hygiene and public health of the Johns Hopkins University, delivered a lecture on nutrition, before the faculty and students of the college of medicine, University of Illinois, on April 11.

DR. E. EMMET REID, of Johns Hopkins University, delivered an illustrated lecture on "Gas warfare" before the West Virginia Scientific Society on April 15. In the afternoon of the same day, he addressed the students of chemistry of the university on "The present status of the chemist."

DR. WINFRED BERDELL MACK, professor of veterinary science and bacteriology in the University of Nevada, died in Reno on January 18, after an illness of three months, aged forty-seven years.

EDWIN SCOTT LINTON, a member of the class of 1918, Johns Hopkins Medical School, and enlisted with the Johns Hopkins Hospital Unit, Base Hospital No. 18, A. E. F., died in France, of scarlet fever, on November 14, 1917. He was the son of Professor Edwin Linton, of Washington and Jefferson College.

DR. S. M. SANDWITH, of the London School of Tropical Medicine, died on February 16, at the age of sixty-four years.

PROFESSOR P. BLASERNA, vice-president of the Senate, and professor of experimental physics in the University of Rome, died on February 26, at eighty-two years of age.

THE agricultural appropriation bill, carrying a total of \$28,000,000, has been passed by the Senate.

THE Bureau of Standards has purchased eight acres of land west of Connecticut Avenue, Washington, D. C., and has let contracts for a new engineering laboratory, 175 by 350 feet, and four stories in height. The new building and its equipment will cost in the neighborhood of \$1,000,000 and will increase the capacity of the bureau by 50 per cent. The Pittsburgh laboratory of the bureau, including the work on glass and ceramics, will be transferred to Washington. It is expected that the new building will be ready for occupancy during the coming summer.

THE American Electrochemical Society has arranged in connection with its spring meeting in the week of April 28 for a tour through Tennessee and Alabama stopping at the important electrochemical centers and water power developments located in these two states. Among the towns to be visited are Johnson City, Kingsport, Knoxville, Sheffield, Muscle Shoals, Chattanooga, Anniston and Birmingham. A special train will be provided, and about one hundred members and guests have already signified their intention to participate. All those interested can obtain further details from Mr. Charles F. Roth, chairman of the committee, 50 East 41st St., New York City, N. Y.

THE annual meeting of the New England

Federation of Natural History Societies will be held on Friday and Saturday, April 26 and 27, at the Rogers Building, Boston, next house to the Society of Natural History. The usual exhibition will be open to members and visitors both days, and all the societies and individual members are invited to exhibit. Packages may be sent by express or left at the building in care of the janitor. Friday evening from 7 to 10 there will be an informal meeting for showing exhibits and for short reports and addresses. Members who can not attend on Saturday are specially invited to this meeting. Saturday, at 10 A.M. the annual meeting will be held for reports from the various societies and for the election of officers and other business. A short account of the last year's work of each society is desired at this meeting. A meeting of the council will be held immediately after the general session to examine the accounts, to decide on the admission of new members and to arrange for future meetings. Saturday afternoon the Boston Mycological Club will have its collections open to visitors from 1 to 5 at its room in the Horticultural Society's Building, 300 Massachusetts Avenue, corner of Huntington Avenue. The Brookline Bird Club will lead an observation walk in the Brookline Parkway, starting from the corner of Brookline Avenue and Audubon Road at 3 P.M.

THE corporation of Yale University has voted to give annually the income from ten thousand dollars to the *American Journal of Science* to assist in the publication of this journal, which this year celebrates its one hundredth anniversary, and to which Professor Edward S. Dana has given so generously of his time and energy for many years.

THE *Bollettino di Bibliografia e Storia delle Scienze Matematiche*, edited by Professor Gino Loria, of Genoa, which has been of such value to mathematicians interested in the bibliography and history of their subject, is about to begin a new series. It will appear in improved form from the press of the well-known scientific publisher, D. Capozzi, of Palermo.

THE *Journal* of the American Medical Asso-

ciation reports that some statistics have recently been published showing that of the 345 medical and other scientific journals published in France before the war, about 270 have suspended publication. Others have changed from weekly to a monthly issue and others issue only four numbers a year. The total quantity of the paper used by them now does not amount to more than 35 tons a month. The important discoveries and experiences of the war and the lessons from them have been spread broadcast by the medical journals, so that surgeons and physicians have been able to keep abreast of progress and thousands of lives have been saved. The organization medical press in France is pleading with the authorities for special concessions during the period of the prevailing scarcity of paper, but no heed has been paid to the appeal as yet.

#### UNIVERSITY AND EDUCATIONAL NEWS

YALE UNIVERSITY has received from the Kingsley Trust Association (Scroll and Key Society of Yale College) \$30,000 to commemorate the seventy-fifth anniversary last year of the founding of the society. This is to be added to the endowment of the Kingsley Trust Association Publication Fund, established by the members of the Society in 1914, and will increase the total of this to \$50,000; making it the largest publication fund held by the university. The income of the original \$20,000 is used for publications through the Yale University Press in the field of history.

THE Massachusetts State College is requesting a state appropriation of \$100,000 for the development of women's work at the institution, \$70,000 being for a women's building and \$30,000 for maintenance until November 30, 1920.

IN response to a request from the gun production of the Ordnance Department, United States army, the school of applied science of New York University has put its testing laboratory at the service of the government.

THOMAS P. COOPER, director of station and extension work in North Dakota, has been ap-

pointed dean of the Kentucky College of Agriculture and director of the Experiment Station.

DR. H. G. KNIGHT, dean of the college of agriculture and director of the experiment station of the University of Wyoming, has accepted the corresponding position at the Oklahoma College and Station, effective February 1, and has been succeeded at Wyoming by A. D. Faville.

PROFESSOR HARVEY EVERT HUBER, professor of biology and geology at Ohio Northern University since 1913, has resigned to accept the professorship of biology at Bluffton College. He will assume his new position in September.

L. T. ANDEREGG, in charge of the department of chemistry in the high school at Decatur, Ill., has accepted the position at the Kansas State Agricultural College in chemical analysis which was left vacant by the resignation of R. C. Wiley.

DR. GERALD L. WENDT has been appointed assistant professor of chemistry and curator of the Kent chemical laboratory at the University of Chicago. He has charge of the instruction in quantitative analysis and in radioactivity.

LINA STERN, privatdozent in the University of Geneva, has been appointed professor extraordinary of physiological chemistry.

#### DISCUSSION AND CORRESPONDENCE SPECTROSCOPIC INVESTIGATION

TO THE EDITOR OF SCIENCE: An exceptional opportunity for spectroscopic investigation now exists in this country and it seems desirable that it should have the wide publicity of the columns of SCIENCE. The Mining Experiment Station at Golden, Colorado, under the Federal Bureau of Mines, specializes in the radium products and the rare gases which are associated with their production. It is likely that larger quantities of the radium emanation, for instance, are available there for research than anywhere else in the world at the present time.

A visit to this interesting laboratory last autumn disclosed the presence there of a large