

Until the subcommittees are completely organized and have had time to undertake their investigations, the Committee of One Hundred can report only organization information. However, the executive committee of the American Association has considered and approved the plan for the presentation of a number of addresses at the Kansas City meeting in which some of the problems at present affecting the success of research will be dealt with from several points of view.

This program will be presented in an auditorium, to be announced later, at 2:30 o'clock on Thursday afternoon, December 31. It is expected that President Pupin will preside.

Dr. William MacDonald, of New York, the well-known historian and author, will speak on "The Intellectual Worker and his Work." Dr. MacDonald has been giving close personal attention to the status of intellectual workers since the great war, and in his book (Macmillan, 1923) bearing the above title, has dealt with conditions found by him to exist in Europe. Dean Byron Cummings, the distinguished archeologist, of the University of Arizona, in an address on "Problems of the Scientific Worker" will discuss some phases of the present status of the American researcher and deal with conditions that affect his success. Dr. Frank E. E. Germann, of the department of physical chemistry at the Colorado School of Mines, will speak on "Cooperation among College and University Workers." At the present time, the importance of united effort whether in prosecuting complicated scientific investigations or in securing conditions favorable to the development of science, is generally conceded.

It is hoped that this program may contribute to the interest that is felt to be necessary to the successful prosecution of the work of the Committee of One Hundred on Research.

RODNEY H. TRUE,  
*Secretary*

#### THE NEW VISITING PROFESSORSHIP OF CHEMISTRY AT CORNELL UNIVERSITY

As was announced in a recent number of *SCIENCE*, Cornell University has received an anonymous gift of \$250,000, the income of which is to be used by the university for the benefit and advancement of teaching and research in chemistry and allied fields. The gift is made to enable the university to carry out a plan formulated by Professor L. M. Dennis, head of the department of chemistry. Under this plan the university will invite eminent men of science to come to Cornell, each for one or two semesters, to present the most recent advances and the methods and results of their own investigations in the branches in which

they have won distinction. The endowment provides for the printing of the lectures, and these publications will form a series of authoritative monographs of peculiar interest and value.

Professor Ernst Cohen, professor of physical and inorganic chemistry in the van't Hoff Laboratory at the University of Utrecht, Holland, who will be the first to lecture on this foundation, will be in residence at Cornell during the second semester of this academic year, from February 1 till June 1, 1926.

The lectures on this foundation will always be open to members of the staffs of instruction of sister institutions, and they are cordially invited to avail themselves of the opportunities thus afforded. A private research laboratory will be put at the disposal of each non-resident lecturer, who will thus be enabled to instruct a limited number of qualified students in methods of outlining and carrying on investigations in his special field. It is planned to choose the lecturers so that different branches of chemistry and of allied sciences will be represented from term to term.

Persons familiar with modern advances in chemical science and particularly in physical chemistry, will at once recognize the significance of Professor Cohen's visit to America. He is the author of many books and pamphlets comprising lectures and texts in the fields of inorganic and physical chemistry for the use of physicians and biologists, and of biographical studies of several distinguished scientists, including his famous predecessor, the late J. H. van't Hoff.

The original investigations of Professor Cohen and his co-workers cover a wide range of topics along the lines of thermodynamics, thermochemistry, electrochemistry, piezochemistry, and other branches within the fields of physical and inorganic chemistry. Their results have been published in some two hundred articles in the leading Dutch, French, German and English scientific periodicals. Professor Cohen's researches upon metastable and allotropic forms of the elements have attracted particularly wide attention.

Professor Cohen is this year president of the International Union of Pure and Applied Chemistry, which will meet in this country next summer.

#### SCIENTIFIC NOTES AND NEWS

AMONG the general lectures arranged for the Kansas City meeting of the American Association for the Advancement of Science is a lecture by Dr. R. A. Millikan, of the California Institute, on "The Stripped Atom."

DR. HARRIS J. RYAN, professor of electrical engineering at Stanford University, has been awarded the Edison medal for the year 1925 by the Edison medal committee of the American Institute of Electrical Engineers "for his contributions to the science and the art of high-tension transmission of power."

DR. CHARLES MAYO has been made an officer of the Legion of Honor by the French government.

DR. A. C. NOÉ, associate professor of paleobotany at the University of Chicago, has received a number of recognitions for relief work done in Austria, including the golden decoration of honor from the Austrian government, the golden medal of honor from the University of Vienna, the honorary Ph.D. degree from Graz and honorary membership in the University of Innsbruck.

A DINNER in honor of Dr. Dean Lewis, recently appointed professor of surgery at the Johns Hopkins University and surgeon in chief to the Johns Hopkins Hospital, Baltimore, has been arranged for January 22, 1926. The surgical alumni of Johns Hopkins and leading surgeons from other parts of the country have been invited. There will be a series of clinics, and in the course of these meetings a movement will be started to create an organization to be known as the Johns Hopkins Surgical Society.

DR. JOSEPH V. DE PORTE, director of the division of vital statistics of the New York State Department of Health, has recently been elected to fellowship in the Royal Statistical Society of England.

THE second Röntgen award of the Röntgen Society, of England, has been made to Dr. Robert Knox for his paper entitled "The Investigation of the Movements of the Heart by the Use of the Slit Diaphragm and the Moving Film," which he read before the society during the course of the past session.

THE engineer, Dr. G. Schmaltz, has recently been made an honorary doctor of medicine at the Frankfurt Medical Faculty for his work on the physiology of the labyrinth.

THE honorary gold medal of the faculty of the University of Hamburg was awarded at the recent silver jubilee of the Institute for Ship and Tropical Diseases to Professors Aráoz Alfaro and Castex, of Buenos Aires; Gómez, the president of Venezuela; Dr. Münnich, of Valparaiso, and Professor Mingazzini, of Rome. An honorary degree was conferred on Professor Giemsa, of Hamburg.

PROFESSOR LISE MEITNER, member of the division of chemistry of the Kaiser-Wilhelm Institute in Berlin, has been awarded the Lieben prize of the Vienna Academy of Sciences.

JOSEPH BLAYAC, professor of geology at the University of Montpellier, has been made an officer of the Legion of Honor by the French government.

A FUND is being collected in tribute to Dr. Charles Richet, Paris, on the occasion of his seventy-fifth birthday.

PROFESSOR LUDWIG RADLKOFER, director of the Munich Botanical Museum, has celebrated the seventieth anniversary of his doctorate. He is now ninety-seven years of age.

PROFESSOR RICHARD HERTWIG, the distinguished zoologist, celebrated his seventy-fifth birthday in Munich, on September 23.

M. PAUL PAINLEVÉ has been appointed to succeed M. Henri Bergson as president of the Commission for Intellectual Cooperation and Professor Rocca, of the University of Rome, to succeed Senator Ruffini in that body.

At a recent meeting of the executive committee of Science Service, Inc., Dr. J. McKeen Cattell was elected chairman of the executive committee and vice-president; Dr. Vernon Kellogg, permanent secretary of the National Research Council, Washington, was elected treasurer, and James Stokley was elected assistant treasurer.

At the annual meeting of the Geological Society of Washington on December 9 the following officers were elected for the ensuing year: N. H. Darton, *president*; W. T. Lee and Chas. Butts, *vice-presidents*; J. D. Sears and W. P. Woodring, *secretaries*, and J. B. Reeside, Jr., *treasurer*.

DR. WILLIAM B. KOUWENHOVEN, associate professor of electrical engineering at the Johns Hopkins University, has been appointed by the U. S. Department of Commerce as engineer at large on a committee for the standardization of dry cells and electric batteries, according to a recent announcement by Herbert Hoover, secretary of commerce.

GEORGE F. BARNWELL, former instructor in geology at the School of Mines and Metallurgy at Rolla, Mo., has resigned to go to Java as geologist with the Standard Oil Company. L. W. Currier has taken Mr. Barnwell's place at the School of Mines and Metallurgy.

DR. G. N. VORONOFF, head of the Russian Scientific Expedition to South America, recently passed through the United States on his way to the north coast of Colombia. For the present, botanical exploration will be confined chiefly to the mountainous region of eastern Colombia.

THE Powell lectures in psychology at Clark University have been given as follows: On December 10 and 11 two lectures by Professor William McDougall, of Harvard University, entitled "Men or Robots," and on December 12 a lecture by Professor Robert S. Woodworth, of Columbia University, on "Dynamic Psychology."

At a joint meeting of the Pennsylvania State College branch of the American Association for the Advancement of Science and the Gamma Sigma Delta Agricultural Fraternity, held on December 4 at the Pennsylvania State College, Dr. Oscar Riddle, of the Carnegie Station for Experimental Evolution, Long Island, N. Y., gave an illustrated lecture on "Metabolism and the Newer Aspects of the Sex Problem."

DR. F. G. COTTRELL, director of the Fixed Nitrogen Laboratory in Washington, delivered a lecture on "The Fixation of Nitrogen," on November 24, in the school of chemistry at the University of Minnesota. This was the first of the series of lectures to be held under the auspices of the school of chemistry for the current academic year.

DR. WILLIAM H. DALL, of the U. S. National Museum, addressed the 928th meeting of the Philosophical Society of Washington, on December 12, on "Some Recollections of the Founding of the Philosophical Society."

PROFESSOR WILLIAM SEIFRIZ, of the department of botany at the University of Pennsylvania, spoke on December 11, before the biological seminary at Princeton University, on "Oocyte Papillae and Protoplasmic Structure."

PROFESSOR JAMES KENDALL, of the department of chemistry of Columbia University, delivered a lecture on "The Rare Earths" at the School of Chemistry of the University of Minnesota, at Minneapolis, on December 1. On December 5 he spoke on the same topic before a joint meeting of the New England Association of Chemistry Teachers, the Chemistry Teachers' Club of New York City, and the New Haven Section of the American Chemical Society at Bridgeport, Conn.

PROFESSOR DOUGLAS JOHNSON, of Columbia University, recently addressed the officers of the United States Army War College, at Washington, D. C., on the subject: "The Military Geography of the Northeastern United States." On December 5 he delivered an address before the Colgate University chapter of Phi Beta Kappa on the occasion of the annual initiation and dinner, taking as his subject "The Evolution of the Grand Canyon Region."

DR. JAMES F. KEMP, professor of geology at Columbia University, recently delivered a series of four lectures to students of the School of Mines and Metallurgy, at Rolla, Mo. Dr. Kemp's subjects were: "A Summer in Wyoming," "Modern Trends in the Mining Industry," "The Development of the Anticlinal Theory" and "The Bingham Litigation."

ON December 5, Colonel C. H. Birdseye, chief of the topographical branch of the U. S. Geological

Survey, delivered an address before the Royal Canadian Institute on the subject "Surveying the Grand Canyon of the Colorado."

DR. VLADIMIR ÚLEHLA, professor of plant physiology, Masaryk University, Czechoslovakia, gave a lecture on "Movements of Plants," on December 8, before the McGill University Chapter of Sigma Xi. The lecture was illustrated by a motion picture of the twining movements of *Pharbitis hispida*.

A MEMORIAL to the anatomist, John Irvine Hunter, whose untimely death was a great loss to science, has been arranged in Australia. A fund has been subscribed with six objects. The first is to have a portrait of Hunter painted which is to be displayed in the great hall of the University of Sydney. The second is to place a bust of Hunter in the medical school of the university. The third is to establish an annual oration on some subject embodying the results of original research and award a medal. The fourth is to institute a library. The fifth is to establish a laboratory for clinical research, to be known as the John Irvine Hunter Research Laboratory. Finally, it is proposed that annual scholarships will be offered to research workers in the laboratory.

A PORTRAIT of John Burroughs, painted by the late Princess Lwoff and presented to the American Museum of Natural History by Mrs. David C. Cook, of Chicago, has been placed on exhibition in the museum.

DR. RICHARD DANA BELL, assistant professor of biological chemistry at the Harvard Medical School, died on December 6, aged thirty-eight years.

DR. ALBION WALTER HEWLETT, professor of medicine at Stanford University, died on November 10, aged fifty-one years.

PROFESSOR JEAN MASSART, of the department of botany at the University of Brussels, recently died at the age of sixty years.

THE second annual dinner of the New York Alumni of Sigma Xi was held at the Faculty Club of Columbia University on December 14. The program was divided into two parts. The first part was taken up with a discussion of the responsibility of scientists in disseminating scientific knowledge to the public. The following four speakers discussed this subject from the angles of their respective fields: D. S. Kimball (engineer), dean of the college of engineering, Cornell University; Otis W. Caldwell (biologist), director of the Lincoln School, Columbia University; Franklin H. Giddings (sociologist), professor of sociology and the history of civilization, Columbia University, and Watson Davis, managing editor of "Science Service." The second part of the program

consisted of an experimental demonstration of recent advances in contemporary physics, by the physics department of Columbia University.

THE members of Sigma Xi resident in Rochester, N. Y., organized a local club the evening of December 2. Of fifty members in the city thirty-two attended the dinner and conference, held in the Faculty Club of the university. An address was given by the guest of the meeting, Dr. Liberty Hyde Bailey. Professor J. R. Murlin was made chairman of the club and Professor H. L. Alling the secretary-treasurer.

THIRTY-NINE geologists of Oklahoma, Kansas and Texas participated in a field conference held in southwestern Oklahoma from November 28 to December 4, this being the third of a series of similar conferences which have been held to study problems connected with the Permian rocks of the three states. It is planned to hold a fourth conference in northern Oklahoma within the next few months. The party gathered at the Artesian Hotel, Sulphur, Okla., and made a brief study of Platt National Park, being accompanied by Superintendent W. E. Branch, of the Park Service. Studies were made along the Anadarko Basin and the type locality of the Cloud Chief gypsum at Cloud Chief, Oklahoma, was visited. The trip also included a visit to Cedartop Mound and a study of the Channel sandstone near Dozier, Collingsworth County, Texas.

THE nations which are members of the World Power Conference have been invited to be represented at a sectional meeting in September of next year, in connection with the International Waterways and Hydraulic Power Exhibition, England. The agenda includes discussions on the application of electricity to agriculture, the electrification of railways, and the exchange of electric power between different countries.

ACCORDING to *Nature*, the fifth International Congress on Genetics will be held in Berlin during the latter half of September, 1927. At the fourth conference in Paris, in 1911, a meeting in Berlin was planned for 1916. The invitation, which now comes from the German Society for the Study of Heredity, has been unanimously accepted by the six surviving members of the international committee appointed by the Paris conference. The arrangements are in the hands of Professor E. Bauer, president of the German Society, with whom are associated Professors Correns, Goldschmidt, Hartmann and Nachtsheim.

THE Medical Research Council of England is having a new laboratory built at Millhill, Middlesex, for the use of Dr. W. E. Gye and J. E. Barnard in their studies of cancer. It is expected that the building

will be finished by next March, at which time the two investigators, who at present often are working five miles apart, will be able to continue their experiments together under greatly improved conditions and with a larger staff of assistants.

HARVEY HADDEN, of London, has contributed £1,000 to the endowment fund of the James Mackenzie Institute for Clinical Research, St. Andrews. The county of Perth has contributed £7,500 as a tribute to the late Sir James Mackenzie, the founder of the institute, who was born in that county.

WE learn from the *Journal* of the American Medical Association that the Japanese government granted for the present fiscal year 65,000 yen to encourage scientific research, and this amount has been awarded by the department of education to one hundred and fifty research workers in governmental schools, private colleges, special schools and institutes. The amount of the subsidy formerly, previous to the adoption of a retrenchment policy by the government, was more than 120,000 yen. Among the persons to whom awards were made are: Professor S. Okada, for "Studies on Basal Metabolism and Nourishment"; Professor T. Nagayama, "Studies on Vitamin C"; Professor M. Yoshioka, "Studies on Immunology"; Professor G. Hiramitsu, "Histologic Studies on Nervous System with special reference to Intellectual Development"; Professor I. Matsuo, "On the Function of the Liver," and Professor I. Tagaki, "Prophylaxis of Typhoid Fever and Dysentery with reference to Food and Drink."

THE *British Medical Journal* states that the extensions to the department of physiology at King's College, London, have now been completed and were formally opened on November 6 by Professor W. D. Halliburton, F.R.S., emeritus professor of physiology in the University of London. A reception was given in the new laboratories at which were present many well-known physiologists and biologists. The new building will provide facilities for experimental research, for the teaching of advanced practical mammalian physiology and a professor's room. Further, the rooms formerly occupied by the bacteriology department have been taken over for biochemistry, for the provision of animal and polarimeter rooms and for a staff room and library. The reception was followed by a public inaugural lecture, entitled "Science and Culture," by Julian Huxley, who has recently been appointed to the chair of zoology at King's College in succession to the late Professor Arthur Dendy, F.R.S.

THE following is a translation of resolutions numbers 3 and 4, passed by commission No. 19, variation

of latitude, at the meeting of the International Astronomical Union, Cambridge, England, July, 1925. (3) The International Astronomical Union, assembled in congress at Cambridge (July 14-22, 1925), thanks the superintendent of the Coast and Geodetic Survey of the United States of America for his efforts towards the reestablishment of the latitude station at Gaithersburg (U. S. A.) and hopes that he will continue his efforts because of the very great importance of the resumption of observations at that station. (4) The International Astronomical Union, assembled in congress at Cambridge (July 14-22, 1925), thanks the superintendent of the Coast and Geodetic Survey of the United States of America for his efforts which established Ukiah as a permanent latitude station, under the direction of the Coast and Geodetic Survey.

THE council of the British Institution of Civil Engineers has made the following awards for the session 1924-1925 in respect of selected engineering papers, published without discussion: A Telford Gold Medal to Dr. Andrew Robertson (Bristol); a Telford Gold Medal and the Indian Premium to Mr. S. A. S. Bunting (Bombay); Telford Premiums to Messrs. A. D. Swan (Montreal), C. H. Cruttwell (New Ferry), J. W. McLaren (Newfoundland) and J. L. Hodgson (Eggington), and a Webb Prize to Mr. A. R. Johnson (Penang); and in respect of papers read at students' meetings in London or by students before meetings of local associations during the same session: The James Forrest Medal and a Miller Prize to Mr. E. J. Rang (Tynemouth), and Miller Prizes to Messrs. D. Lloyd (Liverpool), H. F. Lea (Birmingham), H. A. Macnab (Glasgow), T. W. March (Rochester), C. R. Smith (Manchester) and W. C. Knill (Gateshead-on-Tyne).

A NEW Micronesian-Polynesian Hall, containing one of the most extensive collections from those two Pacific island regions in existence, was opened by the Field Museum of Natural History on November 2. The hall includes a large Maori collection presented by Arthur B. Jones, a Fiji collection made by A. B. Lewis, assistant curator of Melanesian ethnology while on a Joseph N. Field expedition in the South Seas, and several collections purchased by the museum. It is on the ground floor of the museum just off the Egyptian Hall. Outstanding in the hall is a great Maori council house from New Zealand, 60 feet long, 20 feet wide and 14 feet high on the inside. It is probably the largest thing of its kind in any museum, and is one of the less than a dozen such houses in existence. The house, once used by the chiefs of a powerful tribe, is hand-carved and painted inside and out.

THE American Museum of Natural History, in co-operation with the commission of the Interstate Pali-

sades Park, conducted this summer an interesting and successful experiment in out-of-door education under the direction of Dr. Frank E. Lutz. "Nature trails" were opened to the public in the Harriman State Park near Tuxedo, N. Y. One was a "training trail" along which were labels that did more than merely give the names of things; it was as though "a friend somewhat versed in natural history were taking a walk with you and pointing out interesting things along the way." On the other, the "testing trail," were merely numbered questions about the trees, shrubs and other things. Visitors were invited to test their knowledge and were scored according to the correct answers on file at the station for the study of insects, in connection with which this work was done.

ACCORDING to *Industrial and Engineering Chemistry*, at the September meeting of the Philadelphia section of the American Chemical Society, Dr. Walter T. Taggart, who is chairman of the committee to arrange for the September, 1926, meeting of the American Chemical Society in Philadelphia, outlined some features that had already been prepared for the comfort of the society. The meeting will be held from September 6 to September 10, and promises to be the largest meeting that the American Chemical Society has ever held. Besides being the fiftieth anniversary of the founding of the American Chemical Society, it will be held in connection with the Sesqui-Centennial Exhibition in Philadelphia, and will be followed by the International Congress of Pure and Applied Chemistry in Washington, D. C., one week later.

## UNIVERSITY AND EDUCATIONAL NOTES

THE department of biological chemistry at the Harvard Medical School will receive \$100,000 under the terms of the will of Dr. Richard D. Bell, who was assistant professor in the department.

THE General Education Board, of New York, has given the sum of \$700,000 to the University of Virginia School of Medicine, which is half the amount needed for the erection and equipment of the new buildings planned. The gift is conditional upon the appropriation of \$250,000 by the state and the raising of \$450,000 by the university.

PLANS for a new pharmacy building at the University of Illinois, to be erected at Champaign at a cost of \$375,000, have been approved by the university trustees.

PROFESSOR JOHN A. ALDRICH, formerly of Washburn College, Kansas, has been appointed professor of physics and astronomy at Oglethorpe University in Georgia. He succeeds John W. West, who last spring