

Earthquake Situation." The following topics will be discussed:

"Historically Recorded Earthquakes in California": Owen C. Coy, University of Southern California, Los Angeles.

"Seismologic Research":

- (a) Earthquakes of Northern California, Perry Byerly, University of California, Berkeley.
- (b) Research on Near and Far Earthquakes, B. Gutenberg, California Institute of Technology, Pasadena.
- (c) Vibration Research for Earthquake-resistant Buildings, L. Jacobsen, Stanford University.
- (d) Development of the U. S. Coast and Geodetic Survey Seismological Program in California, T. J. Maher, U. S. Coast and Geodetic Survey, San Francisco.

"Mechanics of Earthquake Activity": Bailey Willis, Stanford University.

"The Construction of Earthquake-resistant Buildings": Geo. B. McDougall, state architect, Sacramento.

The afternoon of Tuesday, June 25, will be devoted to a series of reviews on the progress of research in selected fields of general interest. Attention will be centered upon a few of the most noteworthy achievements described in relation to outstanding developments and problems of commanding interest in the fields at large. The reviews will be presented as follows:

"Recent Developments in Acoustics": V. O. Knudsen, University of California at Los Angeles.

"The Mechanism of Heredity": Th. Dobzhansky, California Institute of Technology.

"Recent Developments in the Field of Hormones": B. M. Allen, University of California at Los Angeles.

On the morning of Wednesday, June 26, a symposium on "The Virus Diseases of Plants and Animals" will be held under the auspices of the American Phytopathological Society, Pacific Division; Botanical Society of America, Pacific Section; Society for Experimental Biology and Medicine, and the Western Society of Naturalists.

The remainder of the week will be given over to the programs of participating societies of which seventeen or eighteen will be joining in the meeting.

Members proposing to present papers are reminded that titles received after May 1 will be too late for publication in the program. This will be distributed during the last week of May to all members of the association resident in the territory of the Pacific Division.

Many excursions of considerable interest are being arranged and will be described in full in the program.

J. MURRAY LUCK,  
*Secretary*

## SCIENTIFIC NOTES AND NEWS

ON the occasion of his eighty-second birthday on March 29 Professor Elihu Thomson was presented with the medal of honor of the German Society of Engineers. The presentation was made at a luncheon of the board of directors of the General Electric Company. Among those present were Owen D. Young, Gerard Swope, Philip Stockton, Charles F. Adams and Francis Lee Higginson. Because of Professor Thomson's ill health Edwin W. Rice, Jr., accepted the medal, which was presented by Kurt von Tippleskirch, German consul in Boston. As translated the inscription on the medal reads: "On Elihu Thomson, the great pioneer in the realm of engineering, the inventor and scientist, the promoter of cooperation among engineers, there is conferred on his eighty-second birthday the V. D. I. medal of honor."

THE Kelvin Gold Medal for 1935, awarded triennially as a mark of distinction in engineering work or investigation of the kinds with which Lord Kelvin was especially identified, has been conferred on Sir John Ambrose Fleming, in recognition of his services to electrical science and particularly of his invention of the thermionic valve. The presentation ceremony

is expected to take place at a meeting of the British Institution of Civil Engineers early in May.

DR. IRVING LANGMUIR, of the General Electric Company, and Professor Harold C. Urey, of Columbia University, will be the guests of honor at a dinner on Monday evening, April 22, one of the opening events of the tercentenary celebration by the American Chemical Society of the founding of the nation's chemical industries. The dinner will be given by the Division of Physical and Inorganic Chemistry. Professor Victor K. LaMer, of Columbia University, will preside.

A PORTRAIT of Dr. Martha Tracy, dean of the Woman's Medical College of Pennsylvania, was presented to the college on its eighty-fifth anniversary on March 9. This is Dr. Tracy's twenty-fifth year at the college. Dr. Ellen C. Potter, Trenton, N. J., made the presentation. Dr. Helen Ingleby, professor of pathology, on behalf of trustees, faculty, students and friends, presented an automobile to Dr. Tracy.

THE Cross of the Legion of Honor was conferred on March 26 by Consul General Charles de Font-

nouvelle of France upon David Sarnoff, president of the Radio Corporation of America, "in recognition of his pioneering and great accomplishments in the science of radio." The presentation took place in the Consulate General in La Maison Française, of the Rockefeller Center, New York City.

M. CHARLES POISSON has been elected correspondent of the Paris Academy of Sciences in the place of the late William Morris Davis.

DR. HAROLD ST. JOHN, professor of botany at the University of Hawaii, has been elected a corresponding member of the Czechoslovakian Botanical Society.

PROFESSOR W. N. HAWORTH, director of the department of chemistry of the University of Birmingham, has been elected a corresponding member of the Bavarian Academy of Sciences.

THE Bessemer Gold Medal for 1935 of the British Iron and Steel Institute has been awarded to Professor A. M. Portevin, of Paris.

THE Duddell Medal has been awarded by the Physical Society, London, to Dr. W. Ewart Williams, of King's College, London, for his work in optical design in the field of interferometry.

AN award of \$10,000 has been made to Miss Lillian Banks, of Norfolk, Va., whose design has been accepted for the "universal memorial light" to Thomas Alva Edison.

DR. THOMAS S. FISKE, since 1897 professor of mathematics at Columbia University, will retire at the end of the academic year with the title emeritus professor. Dr. Fiske received the degree of A.B. from Columbia in 1885 and since then has been continuously connected with the university. Since 1901 he has been secretary of the College Entrance Examination Board. He was from 1902 to 1904 president of the American Mathematical Society, of which he had been secretary and editor of the *Bulletin* and *Transactions*.

PROFESSOR KARL S. LASHLEY, now at the University of Chicago, has accepted an appointment as professor of psychology at Harvard University.

DR. DAVID A. TUCKER, JR., associate clinical professor of contagious diseases at the University of Cincinnati College of Medicine, has been appointed professor of the history of medicine.

DR. J. H. SIMONS, secretary of Section C of the American Association for the Advancement of Science, has been appointed associate professor of physical chemistry at Pennsylvania State College.

DR. JOSEPH TANNENBERG, professor of pathology at the University of Frankfurt, has arrived in Albany to assume for one year the post of director of Bender Hygienic Laboratory. He succeeds Dr. Arthur W.

Wright, now professor of pathology and bacteriology at the Albany Medical College.

DR. ETHEL C. DUNHAM, associate clinical professor of pediatrics at the Yale University School of Medicine, has been named acting director of the division of maternal and child health, U. S. Children's Bureau. Dr. Dunham graduated from the Johns Hopkins University School of Medicine in 1918.

DR. JULES BLACHE, professor of geography in the University of Grenoble, is the exchange professor from France at Harvard University during the current half year. While here he is offering one regular course on the "Geography of Mountains" and giving a series of eleven public lectures on the general heading of "Geography of French Agriculture."

AN Institute of Experimental Surgery has recently been inaugurated at the Medical Faculty of Buenos Aires, under the direction of Dr. Guillermo Bosch Ayana, professor of operative medicine.

THE R. A. F. Penrose, Jr., memorial lecture of the American Philosophical Society will be delivered on April 18 by Dr. W. F. G. Swann, director of the Bartol Research Foundation of the Franklin Institute, Philadelphia. He will speak on "The Second Law of Thermodynamics."

THE Edgar Marburg Lecture of the American Society for Testing Materials will be delivered at the annual meeting to be held in Detroit from June 24 to 28 by Dr. L. B. Tuckerman, chief of the Division of Mechanics and Sound of the National Bureau of Standards. The lecture will be on the general field of the development and application of materials in the aircraft industry.

THE fifth Joseph Henry Lecture of the Philosophical Society of Washington was delivered on March 30 by Dr. Paul R. Heyl, of the National Bureau of Standards. The title of the lecture was "What is Electricity?"

DR. GLEB V. ANREP, professor of physiology at the Egyptian University at Cairo, delivered the Edward Gamaliel Janeway Lectures at Mount Sinai Hospital, New York City, on March 25 and 26. His subjects were "The Duodenopyloric Mechanism in Relation to the Sympathetic Nervous System" and "The Coronary Blood Flow in Relation to Pulse Pressure." Dr. Anrep will give the Lane Medical lectures at Stanford University from April 22 to 26.

DR. C. C. LITTLE gave the annual initiation address to the Brown University Chapter of Sigma Xi on March 21 on "Some Recent Advances in Cancer Research." He also spoke informally at the Faculty Club luncheon on "Birth Control and its Social Implications."

DR. T. WINGATE TODD, professor of anatomy at the School of Medicine of Western Reserve University, Cleveland, spoke on March 18 before the Thomas P. Hinman Mid-Winter Clinic at Atlanta, Ga., on "The Physical Constitution of the Growing Child." He also made an address at the University of Georgia on "Negro Child Development."

DR. WILLIAM W. CORT, professor of helminthology at the Johns Hopkins University School of Hygiene and Public Health, will deliver the Gehrman lectures of the University of Illinois College of Medicine, from April 8 to 10. The titles of the three lectures are: "Studies on Ascariasis in Children in the United States"; "Epidemiology and Control of Schistosomiasis (Bilharziasis) in Egypt," and "Present Status of the Hookworm Problem in the United States."

PROFESSOR J. B. S. HALDANE delivered at the University College of Swansea on March 13, 14 and 15 a course of three public lectures on "Human Heredity."

THE American Institute of Nutrition will meet at Detroit on April 10.

THE Wisconsin Academy of Sciences, Arts and Letters will hold its sixty-fifth annual meeting on April 12 and 13 in Beloit as guests of Beloit College. The Wisconsin section of the American Chemical Society will meet with the academy on April 13 for the presentation of a program of fourteen papers.

THE Mobile Academy of Science was organized by a group of some twenty-five teachers of science, physicians and others interested in the subject living in and around the city of Mobile, on Wednesday, March 27. The following officers were elected: *President*, the Rev. Dr. P. H. Yancey, S.J., professor of biology at Spring Hill College; *Vice-president*, Dr. Toulmin Gaines, dermatologist of Mobile; *Secretary*, Matt Lawler, physics teacher in Murphy High School, Mobile. The academy will meet once a month to hear scientific papers by the members or invited speakers and will also undertake field trips for the study of geology, archeology, botany and zoology.

THE meetings of the Georgia Academy of Science, the Southeastern Section of the Mathematical Association of America, the Georgia Section of the American Chemical Society, and the initial meeting of the Southern Section of the American Physical Society held at Agnes Scott College, Decatur, Georgia (except the Saturday session of the Physical Society, at Emory University), March 22 and 23, had an attendance of over four hundred. This perhaps represents the largest group ever to convene in Georgia. Sixty-eight papers dealing with research work of the mem-

bers were read. The following additional papers were given by guest speakers: "Cosmic Rays on Seven Continents," A. H. Compton, University of Chicago (Agnes Scott Lecture Association); "Glass, an Indispensable Factor in Modern Civilization," Alexander Silverman, University of Pittsburgh (Georgia Academy of Science and the Georgia Section of the American Chemical Society); and "Movement of Mercury's Perihelion" and "The Place of Mathematics in Secondary Education," K. P. Williams, Indiana University (Southeastern Section of the Mathematical Association of America).

THE Science Forum of the New York Electrical Society presented on March 27 a symposium entitled "Scientific Education—What is Wrong with It?" The speakers were Dr. Harry Woodburn Chase, chancellor of New York University; Dr. William E. Wickenden, president of the Case School of Applied Science, Cleveland; Dr. Colin G. Fink, head of the division of electrochemistry, Columbia University, and Dr. Alan Gregg, director of the division of the medical sciences at the Rockefeller Foundation.

A DINNER celebrating the hundredth anniversary of the birth of Alfred Nobel will be held in the Grand Ballroom of the Waldorf-Astoria on April 9. It has been decided to make of this an annual event, with Nobel laureates of the current year as the guests of honor. Drs. George R. Minot, William P. Murphy, H. C. Urey and G. H. Whipple have indicated their intention to be present and all others who have in previous years received a Nobel prize have been invited to attend. Dr. Foster Kennedy will act as toastmaster and other guests of honor and speakers will include: Dr. Alan M. Chesney, dean of the Medical School of the Johns Hopkins University; Dr. David L. Edsall, dean of Harvard Medical School; Dr. Willard C. Rappleye, dean of the College of Physicians and Surgeons, Columbia University, and Dr. M. Charles Winternitz, retiring dean of the Medical School of Yale University.

A TWO-DAY conference of the advisory council of the Milbank Memorial Fund was held on March 29 and 30 at the New York Academy of Medicine, at which questions of tuberculosis control, population problems, health education and other allied subjects were discussed at round-table meetings. Among the speakers at the annual dinner of the Board of Directors were Miss Josephine Roche, assistant secretary of the treasury; Dr. Hugh S. Cumming, surgeon-general, the United States Public Health Service; Dr. Livingston Farrand, president of Cornell University; Dr. Simon Flexner, director of the Rockefeller Institute for Medical Research, and Albert G. Milbank, president of the fund. Others who took part in the con-

ference were Dr. E. R. Baldwin, director of the Trudeau Foundation, Saranac; Dr. Robert L. Dickinson, secretary of the National Committee on Maternal Health; Dr. Louis I. Dublin, third vice-president of the Metropolitan Life Insurance Company; Professor Henry Pratt Fairchild, of New York University; Homer Folks, secretary of the State Charities Aid Association, and Dr. John A. Hartwell, director of the New York Academy of Medicine.

SIGMA PI SIGMA, honorary physics society, installed its twenty-ninth chapter at the Michigan State College on March 2 when the charter was presented to a group of thirty-nine students and faculty members by Dr. Marsh W. White, executive secretary. Dr. Robert H. Spahr, director of instruction and curricula at the General Motors Institute, Flint, Mich., and Dr. R. W. Smith, research associate at the University of Michigan, assisted the installing officer in inducting the petitioning group as the Alpha-Epsilon chapter of the society. Dr. E. F. Barker, professor of physics at the University of Michigan, was initiated as an honorary member of the society and, after the installation banquet, gave an address on "The Modern Alchemist" at the first open meeting of the chapter.

LECTURES at the New York Botanical Garden, to be held on successive Saturday afternoons at 3:30 o'clock from March 30 to April 23, are as follows: "Molds and Mushrooms that Cause Human Ills," Dr. J. Gardner Hopkins, College of Physicians and Surgeons, Columbia University, and Dr. B. O. Dodge, plant pathologist; "South African Flowers and Scenery," Mrs. Jerome W. Coombs, Federated Garden Clubs of New York State; "Annuals for the Garden," T. H. Everett, horticulturist; "Summer-flowering Bulbs," Dr. Forman T. McLean, supervisor of public education; "Spring Wild Flowers," Dr. John Hendley Barnhart, bibliographer and administrative assistant; "The New York Botanical Garden: Its History and Its Work," Dr. Marshall A. Howe, assistant director; "Lilies for Gardens," Dr. A. B. Stout, director of the laboratories; "The Flora of the Watchung Mountains," Dr. Harold N. Moldenke, assistant curator; "The First Families of Florida and their Crops," Dr. H. Beaman Douglass, physician.

WE are informed through the courtesy of the general secretary of the International Committee of Annual Tables of Constants, M. Ch. Marie, Paris, that the Academy of Sciences of the U. R. S. S. has signed an agreement with the committee, guaranteeing for the coming five years a contribution to the international fund for the publication of Annual Tables of Constants. In exchange the academy will receive a certain number of volumes edited by the committee.

These volumes will be distributed among the universities and scientific institutions of the Soviet Union. Similar agreements have been already signed with the French Government, the Helvetic Government and the Polish Academy of Sciences.

THE Johns Hopkins University School of Medicine has received an additional gift of \$150,000 from the estate of Joseph Raphael DeLamar, who died in 1918. The *Journal* of the American Medical Association reports that a fund of \$4,706,450, which has been paid to the medical school over a period of years under Mr. DeLamar's will, supports many activities, including the DeLamar Lectures in Hygiene at the Johns Hopkins University School of Hygiene and Public Health. The will provided that, after other bequests had been made, the residue was to be divided so that one third went to the medical school and another third to the College of Physicians and Surgeons of Columbia University. This is the authorization for the recent gift. The DeLamar Lectures were established "to give to the people of the United States generally the benefits of increased knowledge concerning the prevention of sickness and disease and also concerning the conservation of health by proper food and diet."

THE estate of Mrs. T. Coleman du Pont, at Irvington-on-Hudson, has been given to Columbia University. The property consists of sixty-eight acres, on which there is a mansion, and probably will be used in studies of landscape architecture conducted by the Columbia School of Architecture. The estate extends from the Albany Post Road to the Hudson River and now has four acres in flowers. Mrs. du Pont made the gift in memory of her husband. With the estate will go a fund sufficient for maintenance for three years.

THE University of Michigan has been granted a fourth of the estate of the late Bernard C. Hesse, the New York chemist, valued at \$123,073. Dr. Hesse graduated from the university in 1893.

ACCORDING to the *Journal* of the American Medical Association, continuance of a dental research project in Yale University School of Medicine has been made possible through a grant of \$17,500 by the Carnegie Corporation of New York. This program, instituted in July, 1929, under a grant of the Rockefeller Foundation, is an intensive study of the teeth in relation to the body in general by physicians, radiologists, bacteriologists, pathologists and dentists. The original study group included Dr. Milton C. Winternitz, Dr. Samuel C. Harvey, the late Dr. William A. LaField, Dr. Félix d'Herelle, Dr. George H. Smith, Dr. Raymond G. Hussey and Dr. William Downs, Jr.