

# NEWS and Notes

Distinguished scientists, educators, and business leaders assembled at 420 East 68th Street, New York City, on April 16 for the opening of the new Sloan-Kettering Institute for Cancer Research. Contributions totaling \$4,562,500 from Alfred P. Sloan, Jr., chairman of the Board of Directors of General Motors, has made possible the construction of a completely modern 14-story research building (see cover) which is joined with a great cancer hospital (Memorial), a teaching center, a prevention-detection clinic (Strang), as well as with a city cancer hospital (Ewing) now under construction. Under the direction of C. P. Rhoads, the center will operate as a great national cancer center, financed through voluntary contributions of the public and such other grants as are available.

The morning session included an address by Sir Henry Dale, a Fellow of the Royal Society and its president from 1940 to 1945; informal discussions in the various laboratories; and the formal dedication ceremonies. A series of panel discussions took place in the afternoon, the theme being Participation in Medical Research by Universities (James B. Conant, president, Harvard University; Harry Woodburn Chase, chancellor, NYU; Edmund E. Day, president, Cornell University); by Technology (Karl T. Compton, president of MIT; Paul Aebersold, Atomic Energy Commission; William D. Coolidge, General Electric Company; George W. Merck, president of Merck & Co.); by Government (Leonard A. Scheele, Surgeon General, USPHS; Herman E. Hilleboe, New York State Commissioner of Health; J. Donald Kingsley, Assistant Fed-

eral Security Administrator; A. N. Richards, president of the National Academy of Sciences); and by the Layman (James S. Adams, co-chairman of the Executive Commission of the American Cancer Society; Albert D. Lasker, president of the Albert and Mary Lasker Foundation; Philip T. Sharples, president of the Sharples Corporation).

At a dinner at the Waldorf-Astoria that evening, with Reginald G. Coombe, president of Memorial Hospital presiding, the speakers included Sir Henry Dale, Charles F. Kettering, vice-president and director of research for General Motors, and Director Rhoads. At the conclusion of the dinner Mr. Coombe presented the Katherine Berkan Judd Awards (\$1,000) for outstanding contributions to the advancement of cancer research during 1947 to Alexander Haddow, director of the Chester Beatty Research Institute, Royal Cancer Hospital of London, and Eric Boyland, professor of biochemistry, University of London.

## About People

**Neil E. Gordon**, professor of chemistry at Wayne University, was honored at a dinner at the Hotel Stevens, Chicago, April 20, during the meetings of the American Chemical Society, for his contributions to chemistry and related sciences made possible by his organization of the well-known Gibson Island Research Conferences in 1938. At the ceremony the Conferences were renamed the Gordon Research Conferences. A description of the background of these Conferences and the program for the sessions to be held from June 21 to September 3, 1948, have recently been published (*Science*, March 26, pp. 308-312). Dr. Gordon was organizer and former editor of the *Journal of Chemical Education* and is currently editor of *Record of Chemical Progress*.

**E. Duncan Grizzell**, professor of education at the University of Penn-

sylvania, has been elected dean of the School of Education there, to succeed **John H. Minnick**, who will retire on July 1. Dr. Grizzell, a faculty member at Pennsylvania for 27 years, served from 1926 to 1946 as chairman of the Commission on Secondary Schools of the Middle States Association of Colleges and Secondary Schools. He has studied educational practices in England, France, Italy, and Switzerland, and in 1944 he served on a commission which the Department of State sent to Bolivia to survey the state school system there. Since 1945 he has been a member of the advisory committees to the Divisions of Secondary Education and International Educational Relations of the U. S. Office of Education.

**Francis Daniels Moore**, a 34-year-old surgeon, has been named surgeon-in-chief of the Peter Bent Brigham Hospital and Moseley professor of surgery at the Harvard Medical School. A graduate of Harvard College and Harvard Medical School, his interests lie in the field of general surgery and in the relation of the autonomic system to the stomach and intestine. During and after the war Dr. Moore carried out studies on the care of burned patients, working with other doctors under the Office of Scientific Research and Development. Much of this work was accomplished through the use of radioactive isotopes, and in the past two years Dr. Moore has continued to study the use of isotopes in surgical research.

**George E. Pake**, a National Research Council Predoctoral Fellow at Harvard University, **C. Sharp Cook**, of the Department of Physics, Indiana University, and **Franklin B. Shull**, Eastman Kodak Fellow in the Physics Department, University of Michigan, have recently been appointed assistant professors of physics at Washington University, St. Louis.

**John R. Heller**, chief of the Venereal Disease Division, U. S. Public Health Service, has been appointed director of the National Cancer Institute. He will replace **Leonard A. Scheele**, who recently became Surgeon General of the U. S. Public Health Service.

**Charles R. Naeser** has been named executive officer of the George Washington University Chemistry Department, a position formerly held by **Benjamin D. Van Evera**, who is now on part-time loan to the National Research Council, where he is serving as secretary of the Fellowship Office.

**L. O. Weaver** has joined the staff of the Department of Botany, University of Maryland, as assistant professor of plant pathology. His major work at Maryland will be with tree fruit diseases. Dr. Weaver has recently occupied a similar position at Pennsylvania State College.

**Carleton S. Coon**, professor of anthropology at Harvard University, has been named professor of anthropology and curator of ethnology at the Museum of the University of Pennsylvania, effective July 1. Dr. Coon has done extensive field work in North Africa, the Balkans, Ethiopia, and Arabia. It was on an expedition to North Africa in 1939 that Dr. Coon found remains of Neanderthal Man.

**Howard Robinson**, professor of history at Oberlin College and head of the Department since 1941, has been appointed acting dean of the College of Arts and Sciences, effective May 1. Dr. Robinson succeeds **Carl Wittke**, who resigned recently to become dean of the Graduate School of Western Reserve University.

**Hugo Martin Krueger**, of the American University of Beirut, Lebanon, has been appointed professor of physiology at Oregon State College to replace **Rosalind Wulzen**, who retires June 30. Dr. Krueger's fields of specialization are respiration, anaphylaxis, and the physiology of the gastrointestinal tract.

**W. C. Hueper**, formerly assistant director and principal pathologist of the Warner Institute for Therapeutic Research, New York City, has been appointed chief of the newly created Environmental Cancer Section at the National Cancer Institute, Bethesda, Maryland.

**George D. Rock**, professor of physics at Catholic University, Washington, D. C., has been named dean of the Graduate School of Arts and Sciences

to succeed **Edward J. Finan**, who has resigned because of ill health. Dr. Finan will remain on the faculty as a professor of mathematics.

**Joseph T. Roberts**, formerly chief medical officer at Gallinger Municipal Hospital, has been appointed dean, professor, and head of the Department of Medicine at the University of Arkansas School of Medicine, Little Rock.

## Visitors to U.S.

**J. V. Van Zyl**, chief of the Division of Chemical Services, Department of Agriculture, South Africa, and **C. F. J. van der Walt**, an officer of the Division, have arrived in this country and are visiting American research centers. The latter will remain about 9 months, during which time he will acquaint himself with the latest methods in geochemical investigations.

**Harold Wergeland**, of the Institute for Advanced Studies, Trondheim, Norway, has arrived in the United States to be at Cornell University and later at California Institute of Technology and the University of California. After October 1 Dr. Wergeland will be in residence at Purdue University.

## Grants and Awards

**Studies on a cancer detection technique** will be made by Gregory S. Duboff under a grant recently authorized by the Board of Directors of the Claremore Fund, Los Angeles. In collaboration with Clyde K. Emery, Dr. Duboff will conduct the work in the Emery Tumor Group.

**Research on various aspects of alcoholism** will be supported by two grants recently announced by the Research Council on Problems of Alcohol. A \$30,000 grant, the second installment of a \$150,000 project at the New York Hospital-Cornell Medical Center under the direction of Oskar Diethelm, has been made to Cornell University Medical College. In this study, only a few patients are admitted and, while hospitalized at the Payne Whitney Clinic, are given exhaustive physical and psychological examinations. During the first year of the project, certain

blood substances, as yet unidentified, were discovered in connection with specific emotional states, increasing with the psychological need for a drinking bout. Attempts are now being made to determine fully the significance of these factors.

The second, in the amount of \$20,000, has been made to New York University College of Medicine for a study on biochemical and endocrinological factors in alcoholism. This study will be undertaken in the Department of Medicine, under the direction of James J. Smith.

**The Life Insurance Medical Research Fund** announces the award of 43 grants in aid of research in the field of cardiovascular disease and 14 postgraduate fellowships for research. The total sum granted for research programs is \$484,790. The amount awarded with fellowships is \$52,600. Postgraduate fellowship stipends vary from \$2,500 to \$4,000. These awards bring the total sum made available for aid to medical research by the Fund since its organization in December 1945 to approximately \$1,800,000.

Grants in aid of medical research went to:

Bowman Gray School of Medicine for research by Harold D. Green on the peripheral vascular circulation (\$8,400).

Carnegie Institution of Washington for research by George W. Corner on the embryological development of the veins of the human brain (\$2,000).

The Children's Hospital of Philadelphia for research by T. N. Harris on the cause of rheumatic fever (\$15,750).

Columbia University for research by Dickinson W. Richards, Jr., on the action of cardiovascular drugs (\$21,000).

Columbia University for research by Rene Wegria on the dynamics of the circulation, especially in the coronary vessels (\$7,560).

Duke University for research by Eugene A. Stead, Jr., on the cardiac output and blood flow in various tissues (\$31,500).

The Hahnemann Medical College and Hospital for research by John E. Gregory on the influence of heredity on the experimental production of cardiovascular lesions by means of

anaphylactic hypersensitivity (\$4,200).

Harvard Medical School for research by Herrman L. Blumgart and Monroe Schlesinger on coronary artery disease (\$7,350).

Harvard Medical School for research by Laurence B. Ellis on hemodynamics in patients with heart disease and heart failure (\$4,410).

Harvard Medical School for research by Otto Kraymer on the metabolic action of the cardiac glucosides and the energy-rich phosphate store of the heart (\$7,875).

Harvard Medical School for research by Eugene M. Landis on the earliest stages of heart failure, with special reference to the use of radioactive gases (\$18,900).

Harvard Medical School for research by John R. Pappenheimer on the resistance to the peripheral flow of blood (\$10,500).

Harvard School of Public Health for research by Frederick J. Stare on the metabolism of heart muscle (\$10,500).

The Jewish Hospital, Cincinnati, for research by I. Arthur Mirsky on the role of fibrinolysin in the etiology of rheumatic fever (\$5,250).

Johns Hopkins University for research by Elliot V. Newman on changes in renal hemodynamics and electrolyte excretion in heart failure and the influence of treatment (\$8,190).

McGill University for research by Hebbel E. Hoff on the afterpotentials of the heart (\$3,675).

Michael Reese Hospital, Chicago, for research by Louis N. Katz on experimental arteriosclerosis (\$21,000).

The Mount Sinai Hospital, New York, for research by Harry Sobotka on the chemotherapy of hypertension (\$5,250).

Mount Zion Hospital, San Francisco, for research by Meyer Friedman on the distribution and fate of digitalis glucosides (\$6,825).

The New England Deaconess Hospital, Boston, for research by Elliott P. Joslin on the incidence, nature, and course of degenerative vascular disease in diabetes and an analysis of influencing factors (\$10,500).

New York University for research by Norton Nelson on the distribution of readily diffusible materials (\$2,100).

Scripps Metabolic Clinic, La Jolla, for research by Eaton M. MacKay on the metabolism of catechol and cate-

chol amines, with reference to their possible role in hypertension (\$7,350).

Southwestern Medical College for research by Arthur Grollman on the pathogenesis and treatment of hypertension (\$5,565).

Syracuse University for research by Robert F. Pitts and Richard H. Lyons on renal function and circulatory dynamics in cardiovascular disease (\$21,000).

Syracuse University for research by Jane Sands Robb on the structure and function of the conducting system of the heart (\$8,400).

Syracuse University for research by W. W. Westerfeld and J. M. McKibbin on phospholipid patterns in tissues (\$3,675).

Tulane University for research by George E. Burch on the relationship of tropical and subtropical climates to cardiovascular states in health and disease (\$39,900).

University of Chicago for research by Konrad Bloch on intermediary cholesterol metabolism (\$26,250).

University of Chicago for research by E. M. K. Geiling on the cardiac glucosides (\$5,565).

University of Cincinnati for research by Johnson McGuire on cardiac reflexes, myocardial disease, and cardiac function (\$7,875).

University of Georgia for research by W. F. Hamilton on the hemodynamics of circulatory disturbances (\$16,800).

University of Minnesota for research by Maurice B. Visscher on physical factors in cardiovascular function (\$18,900).

University of Oklahoma for research by A. N. Taylor on the nature of the blood flow in the great vessels and its possible relation to arteriosclerosis (\$3,465).

University of Pennsylvania for research by H. C. Bazett on the effect of climatic changes on the circulation, with an attempt to develop a respiratory method for estimating cardiac output (\$12,600).

University of Pennsylvania for research by Carl F. Schmidt on the cerebral blood flow and oxygen consumption in hypertension; coronary blood flow and cardiac metabolism; and peripheral vascular efficiency (\$21,000).

University of Pennsylvania for re-

search by Charles C. Wolferth on fundamental aspects of electrocardiography and blood flow and oxygen tension in skin (\$9,345).

University of Southern California for research by H. J. Deuel, Jr., on the role of cholesterol in the development of arteriosclerosis (\$15,750).

University of Southern California for research by Clinton H. Thienes on cellular mechanisms in the action of drugs on the cardiovascular system (\$21,000).

University of Tennessee for research by Theron S. Hill on the autonomic and central nervous system responses in hypertension (\$4,410).

University of Texas for research by George A. Emerson on the cardiovascular effects of carnosine and the metabolism of carnosine in cardiovascular disease (\$6,300).

University of Utah for research by Thomas F. Dougherty and Walter S. Loewe on the relation between the adrenal cortex and the function of smooth muscle, particularly of blood vessels (\$10,500).

University of Vermont for research by F. W. Dunihue on the source of renal vasopressor substances (\$2,730).

Yale University for research by William T. Salter on the chemical control of digitalis therapy (\$3,675).

Those awarded postgraduate research fellowships included:

Mogens Faber, M.D., of Copenhagen, Denmark, to work under the supervision of Erwin Chargaff at the Columbia University College of Physicians and Surgeons.

Edward E. Fischel, M.D., of New York City, to work under the supervision of A. R. Dochez at the Columbia University College of Physicians and Surgeons.

Robert E. Forster, II, M.D., of St. Davids, Pennsylvania, to work under the supervision of Eugene M. Landis at the Harvard Medical School.

Claude Fortier, of Montreal, Quebec, to work under the supervision of Hans Selye at the University of Montreal Institute of Experimental Medicine and Surgery.

Noble O. Fowler, Jr., M.D., of Cincinnati, Ohio, to work under the supervision of Johnson McGuire at the Cincinnati General Hospital.

Walter T. Goodale, M.D., of Weston, Massachusetts, to work under the su-

pervision of Eugene C. Eppinger at the Peter Bent Brigham Hospital, Boston.

Theodore H. Greiner, M.D., of St. Louis, Missouri (arrangements for work not yet completed).

John G. Hawley, of New York City, to work under the supervision of Carl J. Wiggers at the Western Reserve University School of Medicine.

Roy G. Herrmann, of Chicago, Illinois, to work under the supervision of E. M. K. Geiling at the University of Chicago Division of Biological Sciences.

Frank J. Kelly, M.D., of Webster Groves, Missouri, to work under the supervision of George E. Burch at the Tulane University School of Medicine.

George E. Murphy, M.D., of Kansas City, Missouri, to work under the supervision of Homer F. Swift at the Hospital of the Rockefeller Institute.

John R. Polley, Ph.D., of Toronto, Ontario, to work under the supervision of J. B. Collip at the University of Western Ontario Faculty of Medicine.

Robert Tarail, M.D., of Minneapolis, Minnesota, to work under the supervision of J. P. Peters at the Yale University School of Medicine.

John Leyden Webb, Ph.D., of Pasadena, California, to work under the supervision of J. H. Burn at Oxford University.

**The Division of Research Grants and Fellowships**, National Institute of Health, Bethesda, Maryland, announces the following deadlines for receipt of applications for U. S. Public Health Service grants in support of medical research: *June 15* for applications to be reviewed at the September meeting of the National Advisory Cancer Council; *July 15* for applications to be reviewed at the October meeting of the National Advisory Mental Health Council; and *August 1* for applications to be reviewed at the October meeting of the National Advisory Health Council.

**The William Bowie Medal**, awarded annually by the American Geophysical Union, was received this year by James B. Macelwane, S.J., world-renowned seismologist and director of the Institute of Geophysical Technology, St. Louis University. The award was presented to Dr. Macelwane on the evening of April 21 during the

29th annual meeting of the Union, at the close of the first session of a Symposium on the Earth's Crust, held at the Carnegie Institution of Washington. During the war Dr. Macelwane conducted microseismic studies for the Navy and was largely responsible for establishment of the relationships between microseismic disturbances and storms. He also sponsored the tripartite station method for detecting and tracking hurricanes.

**The 1947 Lamme Medal** of the American Institute of Electrical Engineers has been awarded to A. M. MacCutcheon, who retired in 1946 as vice-president in charge of engineering, Reliance Electric and Engineering Company, Cleveland, Ohio. This medal, awarded annually since 1928 for high achievements in the development of electric apparatus or machinery, will be presented to Mr. MacCutcheon during the Institute's summer general meeting in Mexico City, June 21-25. He is cited "for his distinguished accomplishments in the development of motors for industrial needs, notably in the steel industry."

## Colleges and Universities

**The Iowa Lakeside Laboratory** on West Okoboji Lake has come under the management of the Iowa State Board of Education and will be governed by a committee representing all three state schools—Iowa State College, Iowa State Teachers College, and the State University of Iowa. Formerly operating under the University of Iowa Summer Session program and the State Conservation Commission, the laboratory has offered research facilities for professors and students in zoology and botany each summer since 1909. J. H. Bodine, head of the University of Iowa Zoology Department, and director of the summer programs at the laboratory since 1934, has been appointed director of the new organization. An advisory committee including faculty members from the three state schools will name other staff members and set up a state-wide program for the unit.

**A Department of Egyptology** will be established at Brown University as the result of a \$750,000 bequest from

the late Miss Theodora Wilbour, which carries out the wishes of her father, a newspaperman and lawyer, who was a scholar in Egyptology. Income from the fund will be used by the University to establish the department and endow a chair to be known as the Charles Edwin Wilbour Professorship of Egyptology.

**The 31st Mellon Lecture** will be given by Eugene F. DuBois, professor of physiology and biophysics at Cornell University Medical College, on May 27 at the University of Pittsburgh. His subject will be: "Why Are Fever Temperatures Over 106° F Rare?" The Mellon Lectures are supported by the heirs of the late R. B. Mellon and are sponsored by the Society for Biological Research of the School of Medicine, University of Pittsburgh.

**Natal University College**, University of South Africa, has announced the formation of a Department of Physics which will be under the chairmanship of D. Hodges. The College now has a bill before the Union Parliament to raise it to the full status of a university.

**The University of Colorado radio program**, "Your Career," to be broadcast over 8 Colorado radio stations including KOA, Denver, on May 17 at 10:15 P. M., will feature Lloyd E. Florio, Director of Public Health for the city and county of Denver and professor of public health and laboratory diagnosis at the University's Medical Center, who is well known for his research on rheumatic fever and Colorado tick fever. Dr. Florio will speak on vocational opportunities for young doctors, both specialists and general practitioners. Appearing on the program with him will be Ward Darley, dean of the University of Colorado Medical School, who will discuss the field of medicine and the many phases of medical training.

"Your Career in Medicine" is part of a 13-week series of vocational guidance programs designed to help high school students and graduates evaluate their interests before embarking upon their careers. Biology, chemistry, engineering, geology, and pharmacy have all been discussed on the air by Uni-

versity faculty members and prominent specialists in each of the fields. According to a recent survey, 83% of the Colorado high schools are using these programs for vocational guidance work.

## Summer Programs

The Oak Ridge Institute of Nuclear Studies is conducting this summer a series of three one-month courses in the techniques of using radioisotopes. Periods during which these courses will be given are June 28–July 23, August 2–27, and August 30–September 24. According to the announcement, the courses will not attempt to cover any special field of application in chemistry or biology but will be based on simple chemical experiments designed to give participants a maximum knowledge and ability in techniques of handling and conducting research with radioisotopes. Participants in the second of the three courses will be selected by the Atomic Energy Commission; those in the other courses will be chosen from qualified applicants, preference being given to persons affiliated with organizations either now engaging in or planning to engage in research in which radioisotopes are utilized. Thirty-two individuals will be selected for each course. A fee of \$25.00 will be charged, and those admitted will be expected to pay their own travel and living expenses while at Oak Ridge. Application forms and further information may be obtained from Ralph T. Overman, acting head of the Institute's Department of Special Training, P. O. Box 117, Oak Ridge, Tennessee.

A Symposium on the Dynamics of Stress and Strain will be offered this summer by the College of Engineering, University of Michigan, through its Department of Engineering Mechanics. Consisting of regular course work and numerous seminars and special lectures, the symposium will treat the following subjects: dynamics of machines and structures, elasticity, plasticity, creep, fatigue, metallurgy of engineering materials, and their engineering applications. Courses on the theory of plasticity will be conducted by John E. Dorn, of the College of Engineering, University of

California, and a course in advanced airplane structures, by David J. Perry, Department of Aeronautical Engineering, Pennsylvania State College. Other speakers obtained for this program are J. P. Den Hartog, Massachusetts Institute of Technology; J. Ormondroyd, University of Michigan; N. M. Newmark, University of Illinois; D. B. Steinman, consulting engineer, New York City; C. R. Soderberg, Massachusetts Institute of Technology; and J. Freeman, University of Michigan.

## Meetings and Elections

The semi-annual meeting of the Conference on Methods in Philosophy and the Sciences will be held at the New School for Social Research, 66 West 12th Street, New York City, on Sunday, May 9. During the morning there will be a session on "The Keynesian Approach to Business Cycles," during which William S. Vickery, Columbia University, and Michael Kalecki, of UN, will speak. A. P. Lerner, Roosevelt College, and Hans Neisser, New School for Social Research, will lead the discussion. Following a business meeting there will be an afternoon session on "Crucial Problems in Contemporary Physics," the key speakers being P. W. Bridgman, Harvard University, and P. A. M. Dirac, Cambridge University and the Institute for Advanced Study, Princeton. W. Heitler, of the Dublin Institute for Advanced Studies, will lead the discussion.

Scientists from 37 countries will participate in the Fourth International Congresses on Tropical Medicine and Malaria, to be held in Washington, D. C., next week. The program has been organized in 12 sections to cover such subjects as: human diseases which debilitate and kill and those interfering with production and trade; problems of nutrition of man in the tropics; maladies of domestic animals; and most effective uses of new insecticides and drugs. Up to four scientific meetings will be held at one time in meeting halls which have been provided with simultaneous interpretation systems, so that papers will be heard in all of the three official languages, English, French, and Spanish. In addition to the 180 papers scheduled for presentation, there will be daily

programs of technical motion pictures, tours to local institutions, and a scientific and commercial exhibition.

The meetings are sponsored by the Department of State in collaboration with other U. S. agencies and scientific societies. This conference will be the first of the International Congresses in this field to be held in 10 years.

The Eastern Association of Electroencephalographers will meet at the U. S. Naval Hospital, National Naval Medical Center, Bethesda, Maryland, on May 15. The program, under the direction of John A. Abbott, of the Massachusetts General Hospital, will include the following papers: Frederick S. Brackett, National Institute of Health, "Some Electrochemical Phenomena at Surfaces"; Leonor Michaelis, Rockefeller Institute for Medical Research, "Fundamentals of Oxidation-Reduction Potentials"; Rafael Lorente de Nó, Rockefeller Institute for Medical Research, "Fields of Action Currents of Traveling Nerve Impulses"; Franklin Offner, Offner Electronics, Inc., and T. W. Winternitz, Chicago, "Potentials Picked Up From an 'Active Dipole'"; Wade H. Marshall, National Institute of Health, "Interaction of Neurons"; Detlev W. Bronk, Eldridge Reeves Johnson Foundation, "The Origin of Rhythmic Potentials in the Nervous System"; David Nachmansohn, College of Physicians and Surgeons, Columbia University, "The Acetylcholine-Cholinesterase System in the Generation of Biopotentials"; and Harold E. Himwich, A. M. Freedman, and P. D. Bales, Army Chemical Center, "Convulsant EEG Patterns Produced by DFP."

The 13th Cold Spring Harbor Symposium on Quantitative Biology will be held June 8–16. The topic is "Biological Applications of Tracer Elements," with emphasis on results obtained rather than on techniques used in experiments. The meeting will be international in scope, with program participants from Denmark (Hans H. Ussing), Great Britain (Ronald Bentley), Sweden (Einar Hammarsten, George Hevesy, and Gösta Ehrensvald), and Switzerland (K. Bernhard). Attendance will be limited to 80. For program and in-

formation, address the Biological Laboratory, Cold Spring Harbor, New York.

**The Viking Fund Physical Anthropology Seminar**, at which various aspects of human growth and human evolution will be discussed, will be held June 22 through July 1 at 14 East 71st Street, New York City. W. E. Le Gros Clark, outstanding British anthropologist and chairman of the Department of Human Anatomy, Oxford University, will give a lecture on the evening of July 1 at Hunter College Playhouse. Gabriel Lasker, secretary-treasurer of the Association, states that Dr. Clark will discuss his recent investigations in South Africa, including new specimens of prehistoric *Australopithecus* which he has studied, as well as the anthropoid fossils found last summer by L. S. B. Leakey in Miocene deposits in East Africa. In addition to Dr. Clark, those invited to attend the Seminar include J. M. Tanner, also of Oxford; William L. Straus, Jr., and Adolph Schultz, of the Johns Hopkins Medical School; Harold Stuart and E. A. Hooton, of Harvard University; Pauline Mack, Pennsylvania State College; J. Lawrence Angel, Jefferson Medical College; W. M. Krogman, University of Pennsylvania; T. Dale Stewart, U. S. National Museum; H. L. Shapiro and Franz Weidenreich, American Museum of Natural History; Dr. Lasker; and others.

Dr. Clark's lecture will be open to all those interested in human evolution. Those interested in participating in the Seminar should write to J. L. Angel, Department of Anatomy, Jefferson Medical College, 307 South 11th Street, Philadelphia.

**A conference on mechanical wear** will be held in Cambridge, Massachusetts, June 14-16, under the sponsorship of Massachusetts Institute of Technology, the ASME, and the General Motors and Chrysler Corporations. The conference will be devoted to consideration of all aspects of wear between solid surfaces—its causes, symptoms, and cures. In addition to the engineering aspects of the problem, papers will also be presented on the physical and chemical factors in wear. Speakers will include F. P. Bowden, R. Holm, H. Blok, R. H. Savage, R. G.

Larsen, and R. W. Dayton. Further particulars may be obtained from J. T. Burwell, Mechanical Engineering Department, Massachusetts Institute of Technology.

**The Iowa Academy of Science** held a two-day meeting at Fairfield on April 16-17. Cornelius Gouwens, secretary-treasurer, reports that about 350 persons attended and approximately 130 papers were read. In addition to the separate sessions of the 9 sections there was a general session of the Academy, which took the form of a Symposium on Isotopes, and a banquet on Friday evening. The Academy address was delivered by R. A. Moyer, of Iowa State College.

Officers of the Academy for the coming year include: W. H. Kadesch, Cedar Falls, president; J. B. Culbertson, Mt. Vernon, vice-president; F. G. Brooks, Mt. Vernon, editor; and Cornelius Gouwens, Ames, secretary-treasurer.

**Invitations to present papers at the First International Poliomyelitis Conference** (see *Science*, February 20, p. 187) have been accepted by 20 international authorities in the field, according to Hart E. Van Riper, medical director of the National Foundation for Infantile Paralysis and general chairman of the Conference. The speakers and the plenary session in which they will participate are as follows: The Importance of Poliomyelitis as a World Problem—Albert B. Sabin, University of Cincinnati, and H. J. Seddon, Wingfield-Morris Orthopaedic Hospital, Oxford, England; Poliomyelitis: The Early Stage—Irvine McQuarrie, University of Minnesota, David Bodian, Johns Hopkins University, and Fritz Buchthal, University of Copenhagen; The Management of Poliomyelitis: The Early Stage—John A. Anderson, University of Utah; Poliomyelitis: The Convalescent Stage—E. T. Bell, University of Minnesota, Arthur L. Watkins, Massachusetts General Hospital, and Ralph K. Ghormley, Mayo Clinic; The Management of Poliomyelitis: The Convalescent Stage—William T. Green, Harvard University; The Management of Poliomyelitis: The Late Stage—Joseph S. Barr, Harvard University; Bulbar Poliomyelitis—K. T. Neubuer-

ger, University of Colorado, A. B. Baker, University of Minnesota, and James L. Wilson, University of Michigan; Immunology and Chemotherapy in Poliomyelitis—Isabel M. Morgan, Johns Hopkins University, John R. Paul, Yale University, and Raymond N. Bieter, University of Minnesota; The Public Health Aspects of Epidemic Poliomyelitis—Joseph C. Molner, Deputy Commissioner of Health, Detroit, C. W. Munger, St. Luke's Hospital, and Elizabeth P. Rice, Grace-New Haven Community Hospital.

Following the presentation of papers at each session the speakers will join with a panel of authorities for an open-floor discussion of particular phases of the disease.

**The Alabama Academy of Science** held its 25th annual meeting at the University of Alabama on April 15-17. Alan T. Wager, secretary, reports that 90 papers were presented at the section meetings. In addition, a joint session of the sections on Biology and Medical Sciences, Industry and Economics, and the Social Sciences was addressed by George W. Snedecor, president of the American Statistical Association. Dr. Snedecor's topic was "Increasing the Efficiency of Sampling Investigations."

Aside from the approximately 300 members and guests who attended the sessions of the Senior Academy, about 150 students were present for sessions of the Junior Academy, held April 16-17. High light of the Junior Academy meeting on the evening of April 16 was the presentation of the Gorgas Scholarships, sponsored by the Senior Academy and the State Chamber of Commerce, to Tommy Scott, Nauvoo (1st); Harry H. Hendon, Birmingham (2nd); James Kassner, Jr., Tuscaloosa (3rd); and Arvilla Ann Kemp, Hueytown (4th). These range in value from \$1,200 to \$300, respectively, in the order given, in addition to tuition and fees in four cooperating institutions.

Academy officers elected for 1948-49 are: Eugene D. Emigh, Weather Bureau, Montgomery, president; C. A. Basore, Alabama Polytechnic Institute, Auburn, president-elect; A. T. Wager, Birmingham-Southern College, Birmingham, secretary; R. D. Brown, University, treasurer; J. P. Reynolds,

Birmingham-Southern College, counselor to the AAAS; John Xan, Howard College, Birmingham, editor; W. B. Jones, State Geological Survey, Tuscaloosa, and H. B. Rust, Birmingham, Trustees of the Board; and Vera K. Martin, Parrish, counselor for the Junior Academy. Vice-presidents and section chairmen are: Biology and Medical Science, J. H. Walker, University; Chemistry, G. M. Toffel, University; Geology and Anthropology, R. Q. Shotts, University; Geography and Conservation, T. D. Stevens, Alabama Polytechnic Institute, Auburn; Physics and Mathematics, Locke White, Jr., Southern Research Institute, Birmingham; Industry and Economics, T. M. Francis, Birmingham; Science Education, Edith Geisler, Adger; and the Social Sciences, O. L. Lacey, University.

The next annual meeting of the Academy will be held at State Teachers College, Troy, Alabama, during the first weekend in May, 1949, with C. M. Farmer as chairman of the Committee on Local Arrangements.

## NRC News

**Ten Merck fellowships** for the year 1948-49 have been awarded, according to an announcement by the National Research Council. This is the second annual group of fellowships to be granted under a program which is supported by Merck & Co., Inc. The purpose of these awards is to provide advanced training in the related fields of biology and chemistry, particularly for training in one field for persons who already are proficient in another. A gratifying number of applicants was considered, indicating strong interest in this type of fellowship.

Those appointed to fellowships were:

David Henry Brown, Altadena, California, who will work with Carl F. Cori in the Biochemistry Department of the Washington University School of Medicine, St. Louis, on the differences in carbohydrate metabolism in plant and animal tissues.

Daniel Carleton Gajdusek, Yonkers, New York, who will study all phases of protein physical chemistry, in preparation for work in the field of nucleoprotein chemistry as applied to chromosome and virus proteins, with John

G. Kirkwood at the California Institute of Technology.

Malcolm Gordon, Austin, Texas, for an investigation of the correlation between enzyme function and morphology as applied to embryonic and cancerous tissues at the California Institute of Technology under G. W. Beadle.

Caspar Wistar Hiatt III, Mentor, Ohio, for advanced study of biophysics, with emphasis on ultracentrifugation and electrophoresis, under the direction of D. A. MacInnes, Rockefeller Institute for Medical Research, New York City.

Rufus Worth Lumry, Jr., Bismarck, North Dakota, who will continue work on the mechanism of enzymic catalysis with Emil Smith at the University of Utah.

Clement Lawrence Markert, Las Animas, Colorado, who will work under Dr. Beadle at the California Institute of Technology on an intensified study of growth, metabolism, and differentiation of cells.

Lorin J. Mullins, Palo Alto, California, whose fellowship was renewed for a second year to enable him to continue work on the general problem of tissue permeability using radioactive tracers. This year he will transfer from the Stazione Zoologica, Naples, Italy, under R. Dohrn, to the Johnson Foundation of the University of Pennsylvania, under D. W. Bronk.

Arthur Beck Pardee of Pasadena, California, whose fellowship was renewed and who is to continue preparation for research in medical chemistry under the sponsorship of Van R. Potter at the McArdle Laboratory for Cancer Research, University of Wisconsin.

Nevin S. Scrimshaw, Rochester, New York, whose fellowship was renewed to further his study of the biological, chemical, and medical phases of abnormalities in pregnancy at the University of Rochester School of Medicine under Karl M. Wilson.

Gunther Siegmund Stent, Urbana, Illinois, who will work at the California Institute of Technology under Max Delbrück on an investigation of the thermodynamics and kinetics of biological reactions.

**NRC fellowship boards** established to administer the Atomic Energy Com-

mission's research fellowship program in the medical, biological, and physical sciences (*Science*, February 6, p. 136; March 5, p. 241; April 9, p. 367) will receive applications for fellowships in all categories up to June 7 for consideration at the midsummer meetings of the boards.

## Deaths

**Sumner Cushing Brooks**, 59, professor of zoology at the University of California since 1927, died in Bermuda on April 23. He had been conducting studies on permeability at the Bermuda Biological Station while on sabbatical leave from the University.

**Edwin W. Hamlin**, 42, professor of electrical engineering at Cornell University, died April 24 in Ithaca. Prof. Hamlin joined the Cornell staff last November 1, and early this year became director of Cornell's radio telescope project.

**Henry Newell Goddard**, 80, professor of biology at Western Michigan College, Kalamazoo, from 1923 until his retirement in 1939, died April 24 at his home in Madison, Wisconsin.

**Richard Sisson Austin**, 63, since 1921 professor of pathology in the College of Medicine, University of Cincinnati, and director of the Pathologic Service at Cincinnati General Hospital, died April 30 following a month's illness.

## Make Plans for—

**American Psychiatric Association**, May 17-20, Statler Hotel, Washington, D. C.

**National Association of Broadcasters**, 26th annual convention, May 17-21; and 2nd annual broadcast engineering conference, May 19-22, Biltmore Hotel, Los Angeles, California.

**Symposium on Electron and Light Microscopy**, sponsored by Armour Research Foundation of Illinois Institute of Technology and Institute's Physics Department, June 10-12, Technology Center, Chicago, Illinois.

**III Interamerican Cardiological Congress**, June 13-17, Michael Reese Hospital, Chicago, Illinois.