

# NEWS

## *and Notes*

**The unexpected addition of more than 2,100 new AAAS members** between January 1 and May 1, 1947, has led to a shortage of copies of some issues of *Science* in the interval. The reason for this shortage is that each new member in the first six months of the year has been sent back issues of the journal of his choice.

Back issues of *Science* lacking at the moment are Nos. 2717 and 2718 (January 24 and 31), Nos. 2719, 2720, 2721, and 2722 (all February issues), and Nos. 2724 and 2725 (March 14 and 21). Receipt of copies of these issues from members who do not maintain permanent files will be greatly appreciated. They should be sent to: American Association for the Advancement of Science, 1515 Massachusetts Avenue, N. W., Washington 5, D. C. Postage will be refunded.

**The British Association for the Advancement of Science**, Burlington House, London W. 1, England, will hold its first full postwar annual meeting in Dundee, Scotland, August 27–September 3, 1947, under the presidency of Sir Henry Dale. The Council of the British Association will welcome representatives of the AAAS at the Dundee meeting. The last prewar meeting of the Association, held in Cambridge in 1938, was attended by more than 60 scientists from the United States.

Each of the 15 sections of the British Association has extended an invitation to an American scientist to attend. The Council of the British Association desires to learn the names of other American scientists who will be in England at the time of the meeting.

In 1938 the British Association and the AAAS entered into an arrangement for exchange lecturers on alternate years. At the Boston meeting C. B. Fawcett, of London University,

delivered a lecture under this arrangement. The British will in turn invite an American scientist to lecture at the Dundee meeting.

**Heavy water and deuterium gas** are now being made available by the U. S. Atomic Energy Commission for research purposes within the United States. The abundance of the heavy hydrogen isotope in the material is approximately 99.9 per cent. Quantities will be limited to normal research requirements.

The Stuart Oxygen Company, San Francisco, California, will act as contracting agent for distribution. This company began small-scale production and distribution soon after the discovery of deuterium. In the postwar period, because of the increased need for deuterium in research, the Stuart Company's production has been far below the demand. The quantities being made available are from stock produced by other operators during the war for the Manhattan District.

The material will be distributed with charges based on the cost of handling and distribution. The cost of production of the material itself will not be included. Distribution in this manner is being effected under authority of the Atomic Energy Act of 1946, which provides for the fostering and assistance of research by the Commission.

Allocation will be handled in a manner similar to that for radioisotopes. For complete information write to: U. S. Atomic Energy Commission, Research Division, Field Operations, Oak Ridge, Tennessee. Attention: Isotopes Branch.

### About People

**Theodore G. Bernthal**, formerly associate professor of physiology, Vanderbilt University School of Medicine, is now professor and head, Department of Physiology, Medical College of the State of South Carolina, Charleston.

**John S. Karling**, Columbia University, has been appointed visiting professor of mycology at Louisiana State University, Baton Rouge, for the 1947 summer term.

**Frank Glenn**, of The New York Hospital-Cornell Medical Center, has been appointed surgeon-in-chief of the Hospital and Lewis Atterbury Stimson professor of surgery at Cornell University Medical College, succeeding George J. Heuer, who will retire on July 1.

**John Q. Griffith, Jr.**, director, Laboratory for the Study of Hypertension, Hospital of the University of Pennsylvania, will deliver the William Hamlin Wilder Memorial Lecture of the Institute of Medicine of Chicago May 23 at the Palmer House. Dr. Griffith's subject will be "Rutin: A Therapy for the Hemorrhagic Complications of Hypertension."

**Sidney Howe Yarnell**, formerly chief of the Division of Horticulture, Texas Agricultural Experiment Station, will join the staff of the U. S. Regional Vegetable Breeding Laboratory, Charleston, South Carolina, on June 1 as senior geneticist.

**Charles A. R. Connor**, New York University College of Medicine, has been appointed associate medical director of the American Heart Association.

**Morris B. Jacobs** has been appointed chief organic chemist, Research Laboratories, Bureau of Laboratories, Department of Health, City of New York.

**Julian S. Schwinger**, Harvard University, has been appointed full professor of physics, effective July 1. With his appointment at the age of 29, Dr. Schwinger becomes one of the youngest full professors in the history of the University. Dr. Schwinger has made many important contributions to the field in his work on the scattering of neutrons by ortho- and para-hydrogen, photodisintegration of the deuteron, the theory of wave guides, and the tensor theory of nuclear forces.

**H. L. Haller**, organic chemist with the Department of Agriculture, has been appointed special assistant to P. N. Annand, chief of the Bureau of Entomology and Plant Quarantine of the Department. The appointment became effective March 13. With L. B. LaForge and L. E. Smith, Dr. Haller determined the chemical structure of rotenone, an important organic insecticide, for which he and Dr. LaForge received the Hillebrand Prize of the Washington Chemical Society in 1932.

**Selman A. Waksman** will be guest speaker at the Initiation Banquet meeting of the Connecticut Chapter of the Society of the Sigma Xi at Storrs on May 22.

**William S. Heit** has joined the staff of the Department of Fish and Game, Texas A & M College, to assume charge of the ornithological work of the Department.

### Visitors to U. S.

**A. J. Amos**, British authority on cereal chemistry, will address the convention of the American Association of Cereal Chemists at the Hotel President, Kansas City, on May 19. With Dr. Kent-Jones, Dr. Amos co-authored *Modern cereal chemistry*, recognized as classical in its field. Dr. Amos is at present actively engaged in studying the chemical determination of riboflavin and nicotinic acid under a program sponsored by the Society of Public Analysts and Other Analytical Chemists.

**Henri Makower**, director of the Institute of Microbiology, University of Wroclaw, Poland, spent several weeks in April at the University of Texas Medical Branch, Galveston, surveying studies of Ludwik Anigstein on the chemotherapy of rickettsial diseases and of Morris Pollard on virus diseases. Dr. Makower is visiting U. S. medical centers as a guest of the Rockefeller Foundation.

### Grants and Awards

**Ross G. Harrison**, professor emeritus, Osborn Zoological Laboratory, Yale University, was presented the John J. Carty gold medal and award for 1947 at the annual dinner of the National Academy of Sciences in Washington, D. C., April 29. Dr. Harrison received the award for his discovery that tissue cells may be grown outside the animal body, by which method he was able to demonstrate the manner of growth of nerve fibers; for his contributions as an investigator, teacher, and counselor of students; and for his distinguished direction of the National Research Council from 1938 to June 1946.

**F. A. Vening Meinesz**, Dutch geodesist and geophysicist, is the recipient of the William Bowie Medal of the American Geophysical Union. The award was made at the closing session of the Union on April 30 at the Carnegie Institution of Washington, and accepted by H. Helb, of

the Netherlands Embassy. Dr. Meinesz was the discoverer of a linear belt of negative gravity anomalies in the East Indies and interpreted these in relation to the structure of the earth. He has also greatly advanced the technique for observing gravitational anomalies, especially by the use of submarines.

**George Howard Parker**, emeritus professor of zoology, Harvard University, was elected to honorary membership in the Royal Zoological Society of Belgium on January 29.

**Samuel Karlen**, recent recipient of the Ph.D. degree in mathematics from Princeton University, has been appointed to the Harry Bateman Research Fellowship in pure mathematics by the Board of Trustees of California Institute of Technology. He will join the Mathematics Department of the Institute as a research fellow in September 1947.

The Bateman Fellowship, established this year by the Institute in honor of the late Harry Bateman, professor of mathematics, physics, and aeronautics, is awarded for one year but may be renewed for a second year. Dr. Karlen is the first to receive the appointment.

**The California Institute of Technology, Division of Biology**, has received from the Herman Frasch Foundation an annual grant of \$10,000, renewable each year for a period of five years, for basic research in enzyme and protein chemistry in plant growth and development.

The Institute has conducted research in this field for the past 16 years. It will now undertake separation, isolation, and study of particular enzyme systems of higher plants, especially those having greatest interest in relation to plant growth.

**The Loubat Prizes** of \$1,000 and \$400, awarded every fifth year at the commencement exercises of Columbia University, are to be given again in 1948 for the best work printed and published in the English language on the history, geography, archaeology, ethnology, philology, or numismatics of North America. To be considered for the 1948 award, books must be published before January 1, 1948 and be submitted to the Secretary of Columbia University before February 1, 1948. The submitted material will be judged by John K. Wright, American Geographical Society; Leslie Spier, University of New Mexico;

and Dexter Perkins, University of Rochester.

**Northwestern University Medical School** has received a gift of \$50,000 from the James Foundation of New York, Inc., for use in its Institute for the Study of Rheumatic Fever, which is directed by Alvin F. Coburn. Research will be conducted in bacteriology, immunology, pathology, physiology, biochemistry, immunochemistry, enzyme chemistry, and possibly organic chemistry. In addition to fundamental research work, the Institute plans to engage in clinical research through collaboration with hospitals for the care of rheumatic children. Full-scale work will be initiated this summer.

### Fellowships

**The International Union of Biological Sciences** invites applications for the following fellowships (1947): two at the Zoological Station, Naples, Italy; one at the Marine Biological Station, Roscoff, France; and one at the Central Bureau for the Cultivation of Fungi, Baarn, The Netherlands. These UNESCOIUBS fellowships are open to graduated students of biology in its widest sense from universities all over the world. The value of each will be \$750 (U. S. currency) for students from Europe and \$1,000 (U. S. currency) for students from outside Europe (travel and lodging expenses included.) Applications, stating qualifications and experience and giving full information concerning the researches to be made, accompanied by two letters of recommendation by qualified biologists and, if available, one copy of earlier publications, should reach the Executive Committee of the International Union of Biological Sciences, % Prof. Dr. M. J. Sirks, Genetisch Instituut, Huis de Wolf, Haren, Groningen, The Netherlands, before October 1, 1947.

**The Graduate Division of Conservation, Vassar College**, is offering two fellowships for study in basic scientific problems relative to plants in the field of conservation leading to a M.S. degree in plant science. Further details may be obtained from Edith A. Roberts, Chairman, Department of Plant Science, Vassar College, Poughkeepsie, New York.

**The Institute of Neurology, Northwestern University Medical School**, announces the availability of fellowships for research in neuroanatomy and neuro-

physiology leading to the Ph.D. degree for candidates with Bachelors' degrees who intend to pursue an academic or research career in anatomy, physiology, or neurology. Applications should be made to the Director, Institute of Neurology, Northwestern University Medical School, 303 East Chicago Avenue, Chicago 11, Illinois.

## Colleges and Universities

The Ohio State University will make major changes in its Bachelor of Arts curriculum effective with the fall term. The program, which will allow almost no elective courses in the first two years of study, has been designed to give students a much broader background of general knowledge. According to Harlan Hatcher, dean of the College of Arts and Sciences, the program will require that each student acquaint himself with the methods and problems faced by the physical scientist, that special training be provided in the field of biological sciences, and that greater emphasis be placed upon the social sciences.

The Howard University Sigma Xi Club was recently installed in Washington, D. C., by Harlow Shapley, national president of Sigma Xi. The chapter has a charter membership of 18 members and two associate members. After the ceremonies, Dr. Shapley talked briefly of his recent visits to Russia and India and joined members in an informal discussion of astronomy, international relations, and the future of science.

Members of the Committee on Arrangements were: W. Montague Cogg, professor of anatomy; S. R. Cooper, professor of analytical chemistry; Walter T. Daniel, associate professor of mechanical engineering; Arthur H. Webb, instructor in bacteriology; and Herman Branson, professor of physics, chairman. Charles H. Thompson, dean of the Graduate School, represented the University.

The Bureau of Biological Research, Rutgers University, has announced that its program of studies of protein metabolism has received increased support from the University, the Quartermaster Corps of the Army, the Office of Naval Research, and some 13 industrial research laboratories.

New laboratories provided include air-conditioned animal rooms, a diet kitchen and physiological laboratories, and a large analytical laboratory. The program,

under the direction of James B. Allison, of the University, investigates: the nitrogen balance indexes and, where possible, the sulfur balance indexes of proteins, polypeptides, and amino acids fed orally and intravenously to normal and protein-depleted animals; the effects of depletion and repletion in proteins on the physiological state of the animal and on the formation of plasma proteins, including antibodies to specific antigens; comparative antigenicity of proteins under a variety of experimental conditions; and the mutually dependent effects of protein depletion and endocrine imbalances on nitrogen and sulfur metabolism.

## Summer Programs

A Statistical Summer Session will be held August 5-September 5 at the Virginia Polytechnic Institute, Blacksburg, under the joint sponsorship of the Institute, the University of North Carolina, University of Michigan, Iowa State College, and the Federal Bureau of Agricultural Economics. Courses will be offered for credit in: engineering statistics, statistical methods, design of animal experiments, schedule design and interview techniques for sample surveys, sampling design and analysis, mathematical theory of sampling, seminar, mathematical statistics, and experimental design. The faculty, which will be drawn chiefly from the cooperating organizations, will consist of: Rensis Likert, H. L. Lucas, Maurice G. Kendall and Frank Yates (England), George W. Snedecor, Earl E. Houseman, Raymond J. Jessen, and Boyd Harshbarger.

Inquiries regarding the session should be addressed to Boyd Harshbarger, professor of statistics, Virginia Polytechnic Institute, Blacksburg, Virginia.

## Meetings

The Eastern Association of Electroencephalographers will hear three papers at its annual meeting on May 24 at the New York Hospital: "Place of Electroencephalography in the Psychiatric Hospital," W. T. Liberson; "The Electroencephalogram in Behavior Problems," Margaret Kennard; and "Electroencephalography in Psychopathic Personalities," D. J. Simons. During the morning the group will be invited to inspect the laboratories and facilities of the Hospital.

The American Heart Association, Inc., will hold its annual meeting at the Hotel President, Atlantic City, New Jersey, June 6-8, just prior to the meetings of the American Medical Association. The scientific sessions, on June 6 and 7, will be open to members of the medical profession and other interested persons.

The Engineering College Research Council will meet in Minneapolis, Minnesota, June 17-21, in connection with the American Society for Engineering Education meetings. In addition to Council affairs, there will be a symposium on "Relation of College Research Organizations to Industry," J. E. Hobson, Armour Research Foundation, presiding; a roundtable discussion on "Research in Engineering Colleges Is a National Asset," C. A. MacQuigg, vice-president, presiding; and a joint meeting with the Electrical Engineering Division of the American Society for Engineering Education which will feature papers by F. E. Terman, Stanford University; J. R. Killian, Massachusetts Institute of Technology, and J. E. Hobson.

A symposium on the biological applications of isotopes will be sponsored by the University of Wisconsin, Madison, September 10-13. The program, which has been planned to include all phases of isotope work as it applies to the fields of biochemistry, physiology, bacteriology, plant physiology, and clinical medicine, will include papers by: A. Baird Hastings, Harvard Medical School; Harold C. Urey, University of Chicago; Glenn T. Seaborg, University of California; Paul C. Aebersold, Atomic Energy Commission, Oak Ridge, Tennessee; Alfred O. Nier, University of Minnesota; C. C. Coryell, Massachusetts Institute of Technology, and Martin Kamen, Washington University; Donald C. Melville, Cornell Medical School; David B. Sprinson, Columbia University; Harland G. Wood, Western Reserve University; Konrad Bloch, University of Chicago; David M. Greenberg, University of California; I. L. Chaikoff, University of California; Joseph G. Hamilton, University of California; Byron Hall, Mayo Clinic; Saul Hertz, Massachusetts General Hospital; and W. F. Bale, University of Rochester. In addition, there will be five panel discussions on various aspects of the subject.

Reservations and additional information may be obtained from E. C. Al-

bright, Department of Medicine, 1300 University Avenue, Madison 6, Wisconsin.

**A Guidance Conference on the Measurement of Student Adjustment and Achievement**, conducted by the Bureau of Psychological Services, will be held June 26-27 in Ann Arbor, Michigan, according to an announcement by the University of Michigan Institute for Human Adjustment. Leaders in the fields of psychology, education, and student personnel will present and evaluate recent researches and their practical application. Sessions of the conference will be devoted to several phases of the measurement of adjustment, the measurement of achievement, the prediction of academic success, and research problems for the future.

Those interested in attending the Conference may obtain complete information from Dr. Wilma T. Donahue, Bureau of Psychological Services, 1027 East Hurton Street, Ann Arbor, Michigan.

**The National Conference on Industrial Hydraulics** (formerly the Hydraulic Machinery Conference) will hold its third annual meeting October 16-17 at the Hotel Continental, Chicago. The subjects of the four half-day sessions will be: "Cavitation," "Industrial Application of Hydraulics," "Automotive Fluid Transmissions," and "Hydraulic Controls." The Conference is sponsored by Armour Research Foundation and the Graduate School of Illinois Institute of Technology, in cooperation with the Western Society of Engineers and the Chicago sections of the Society of Automotive Engineers, American Society of Civil Engineers, and the American Society of Mechanical Engineers.

Additional information may be obtained from Dr. V. L. Streeter, Armour Research Foundation, Technology Center, Chicago 16.

## Elections

**The Rockefeller Foundation** has announced the election of the following as trustees: John Sloan Dickey, president of Dartmouth College; Robert F. Loeb, Lambert professor of medicine, Columbia University; and Henry Pitney Van Dusen, president of the faculties of Union Theological Seminary and Auburn Theological Seminary.

**The Corrosion Division of the Electrochemical Society** elected the following officers at its April meeting in Louisville, Kentucky: Hugh J. MacDonald, Illinois Institute of Technology, chairman; M. G. Fontana, Ohio State University, vice-chairman; and I. A. Denison, National Bureau of Standards, secretary-treasurer.

**The Association of Southeastern Biologists**, meeting with the Southeastern Section of the Botanical Society of America and the Southern Appalachian Botanical Club at Emory University on April 18-19, elected the following officers for 1947-48: Martin D. Young, U. S. Public Health Service, president; Samuel L. Meyer, University of Tennessee, president-elect; Howard M. Phillips, Emory University, vice-president; Elon E. Byrd, University of Georgia, secretary-treasurer; and Bruce D. Reynolds, University of Virginia, E. Ruffin Jones, Jr., University of Florida, and Frederick T. Wolf, Vanderbilt University, new members of the Executive Committee. A total of 44 papers, including 13 papers in a symposium on "Biological Stations in the Southeast," were presented during the meetings.

The 1948 meeting will be held at the University of Florida, Gainesville, April 16-17.

**The American Geophysical Union**, meeting in Washington, D. C., April 28-30, elected the following officers to serve for three-year terms: J. A. Fleming, Carnegie Institution of Washington, honorary president; O. E. Meinzer, Washington, D. C., president; H. U. Sverdrup, Scripps Institution of Oceanography, vice-president; and K. Hilding Beij, National Bureau of Standards, general secretary.

The new Section presidents, vice-presidents, and secretaries, respectively, also elected for three years, are as follows: Geodesy—H. W. Hemple, H. H. Hess, and Frank L. Culley; Seismology—Frank Neumann, Perry Byerly, and Florence Robertson; Meteorology—Horace R. Byers, Benjamin Holzman, and Woodrow C. Jacobs; Terrestrial Magnetism and Electricity—Irwin Roman, J. W. Joyce, and David G. Knapp; Oceanography—George F. McEwen, Edward H. Smith, and Richard H. Fleming; Volcanology—Wilbur S. Burbank, William F. Foshag, and Francis G. Wells; Hydrology—Lorenz G. Straub, F. J. Veihmeyer, and

Ray K. Linsley, Jr.; Tectonophysics—M. King Hubbert, Robert Balk, and Wilbur S. Burbank.

**The Southeastern Section of the American Physical Society** has elected the following officers for 1947: Milton Braun, Cawtawba College, chairman; E. H. Dixon, University of Georgia, vice-chairman; Eric Rogers, University of Alabama, secretary; and H. F. Henry, University of Georgia, treasurer.

**The New Orleans Academy of Sciences**, at its 94th annual meeting held at Tulane University, New Orleans, Louisiana, on April 25-26, elected the following officers for 1947-48: Joseph Morris, Tulane University, president; Thomas T. Earle, Tulane University, vice-president; Walter G. Moore, Loyola University, secretary; J. Karlem Riess, Tulane University, treasurer; and Garland F. Taylor, Tulane University, curator.

**The New York Pathological Society** has elected Ludvig Hektoen, Pierre Masson, Peyton Rous, and Francis Carter Wood honorary members in recognition of their contributions to the science of pathology.

**D. E. Jackson**, professor of pharmacology, University of Cincinnati Medical College, Ohio, has been elected an honorary member of the Sociedad de la Farmacología y Terapéutica de la Asociación Médica Argentina.

**The South Carolina Academy of Science** elected the following new officers for 1947 at its recent meeting in Columbia: Gilbert H. Collings, professor of agronomy and soils, Clemson College, president; J. T. Penney, University of South Carolina, vice-president; and Ralph E. Blakeley, Winthrop College, secretary-treasurer.

## Recent Deaths

**John Alden Loring**, 76, field naturalist with the Theodore Roosevelt-Smithsonian scientific expedition to Africa in 1909 and onetime curator of animals at the New York and Denver Zoological Parks, died May 8 in Owego, New York.

**Robert D. Evans**, 54, consulting transmission engineer with the Westinghouse Electric Corporation since 1914, died May 8 at his home in Edgewood, Pennsylvania.

**Cassius Jackson Keyser**, 84, emeritus Adrain professor of mathematics at Columbia University, died May 8 at his home in New York City. Prof. Keyser had been associated with the University since 1897. The first volume of his hitherto unpublished essays, now being published by a group of his friends, was to have been presented to him on his birthday, May 15.

**The AAF-National Geographic Society solar eclipse expedition** (*Science*, January 3) will be complete with the arrival in Bocayuva, Brazil, of the C-54 which left National Airport, Washington, D. C., on May 10. Aboard the plane, along with newspapermen, photographers, and radiomen, were Lyman J. Briggs, chairman of the National Geographic Society's research committee; Martin A. Pomerantz, Bartol Research Foundation; and Irvine C. Gardner, National Bureau of Standards. NBC will broadcast a description of the eclipse, which will not be visible in the United States, at 8:30 A. M. (EDT) on May 20.

**The American Midland Naturalist** will be under the editorship of John D. Mizella, Department of Biology, University of Notre Dame, managing and associate editor of the journal since December 1946, upon the resignation of Theodor K. Just, chief curator, Department of Botany, Chicago Natural History Museum, effective with the completion of the current volume (37). Future communications in regard to manuscripts, subscriptions, exchanges, etc. should be addressed to Dr. Mizella at Notre Dame, Indiana.

**The National Registry of Rare Chemicals**, Armour Research Foundation, 35 West 33rd Street, Chicago 16, Illinois, lists the following wanted chemicals: trihexylamine, squalene, phytic acid, dimethyl tellurium, dimethyl cadmium, perparine, octaverin, anhydrotetronic acid, desoxyribose, ethyl boric acid, d-glucurone, angelic acid, sparassol, quercimeritrin, pellotine, cotarnine, citraconic acid, silver tetraborate, phosphopyruvic acid, and tetramethylene diisocyanate.

**The British Department of Scientific & Industrial Research** has appointed three new chairmen of the

Department's Research Boards, as follows: Forest Products Research—Sir Edward Salisbury, director of the Royal Botanic Gardens, Kew, and secretary of the Royal Society, to succeed V. H. Blackman; Fuel Research—Engineer Vice-Adm. Sir Harold Brown, former senior supply officer, Ministry of Supply, to succeed Sir Harold Hartley; Radio Research—Sir Stanley Angwin, chairman of Cable and Wireless, Ltd., to succeed Lt. Col. Sir George Lee.

**The first public atomic power exhibit** will highlight the Mid-America Exposition at Cleveland, Ohio, May 22–31. The exhibit is being prepared by a group committee, which includes representatives of the Atomic Energy Commission, the Mid-America Exposition, Inc., and The Kellogg Corporation, and a special committee headed by J. R. Dunning, scientific director, Columbia University.

One of the features of this exhibit will be a demonstration of "splitting" the uranium atom. For this demonstration, a special instrument is being built by the Technical Associates, Glendale, California, under the direction of J. R. Dunning. This instrument will permit detection of the energy released through an amplifier. The output from the amplifier will be fed to a 20-inch cathode-ray oscilloscope and a 5-foot fluorescent tube for visual demonstration of the "splitting" process. There will also be an illuminated panel showing the resulting chain reaction following the fission and a sound amplifier for audible demonstration. The fission chamber is being built to simulate an actual pile. Another feature will be a demonstration of atomic energy as a source of power. A special power pilot plant, based on preliminary designs of Farrington Daniels, University of Chicago, is being constructed under the technical supervision of C. R. McCullough, director of atomic power, Clinton Laboratory, Oak Ridge, Tennessee, for this purpose.

The exhibit will also include a display of atomic raw materials, as well as atomic energy research instruments, among which will be the first betatron. Supplementary to exhibits of the American Chemical Society and the American Museum of Natural History, comprising 25 panels, which give the over-all picture of the development of atomic energy from its early discovery through the ore

and separation stages to its peacetime applications, there will be displays covering radioactive tracers in medical research, industrial benefits, and other pertinent facets of the subject.

**A Committee on Geographical Exploration** has been established within the Joint Research and Development Board of the Army and Navy. The Committee is charged with responsibility "for the continuing study of means, programs, and plans for the observation and recording of geographic information in regions not normally accessible, in order to promote and improve the capabilities of the armed services to exploit and cope with environmental conditions wherever necessary." The field of interest of the Committee includes expeditions and field research stations for geographic studies in polar, tropical, desert, and high-altitude areas.

Members of the Secretariat of the Committee are: Sidney Paige, formerly principal geologist, North Atlantic Division, U. S. Army Engineers, executive director; Wallace W. Atwood, Jr., formerly professor of physiography, Clark University, chief of the Topographic Model Section, U. S. Office of Strategic Services, and chief of the Relief Map Division, Army Map Service, deputy director; Lt. Col. Robert B. Simpson, formerly instructor in geography, University of Rochester, and recently Assistant Military Attaché to Brazil; and Lt. Cdr. L. L. Davis, USN, recently on duty with the Chief of Naval Operations.

## Make Plans for—

**American Oil Chemists' Society**, 38th annual meeting, May 20–22, New Orleans, Louisiana.

**American Society of Mechanical Engineers**, oil and gas power 19th national conference, May 21–24, Cleveland, Ohio.

**New England Section, American Society of Plant Physiologists**, May 23–24, University of Vermont, Burlington.

**Field Conference of Pennsylvania Geologists**, May 30–31 and June 1, Lehigh University, Bethlehem, Pennsylvania.