ship. Unfortunately, the majority have no value. Antibiotics seem to owe their effectiveness to an interference with the vital enzyme systems of the susceptible organisms. Impure penicillin and streptomycin have been found to have greater value than the crystalline products in protecting animals against bacterial infection and intoxication. The enhancement factors in the amorphous preparations are as yet unidentified. Until they are isolated, there seems to be little reason to employ the apparently superior amorphous products in preference to large doses of the crystalline forms.

One of the first shortcomings of penicillin from *in vitro* studies, subsequently confirmed on *in vivo* observations, was the development of resistance by sensitive strains of organisms. Similar research with streptomycin revealed the tubercle bacillus to have an unusual capacity for developing fastness, an attribute which was retained after many serial passages of the bacillus on laboratory media or in animals. This phenomenon reached alarming proportions when it was found that sensitive cultures of the meningococcus could be induced to give rise to forms which actually required streptomycin for growth and multiplied best in high concentrations of the drug. Animals infected with such strains promptly succumbed following streptomycin therapy, while untreated control animals remained alive indefinitely. The seeming growth requirement for streptomycin has been produced in variants of a wide variety of genera and species of bacteria and is a most disturbing observation.

The advent of the antibiotics has completely revolutionized the treatment of the infectious diseases. Many maladies which were formerly scourges of mankind are now under control. The perfect drug has not as yet been discovered; hence, investigators should be encouraged to keep up the present avid search. In papers covering the clinical use of penicillin and streptomycin, repeated reference was made to the false sense of security engendered by reports of miraculous cures. The laity was warned against accepting extravagant claims for new substances and was apprised of the distinct limitations of antibiotic therapy. The greatest problem confronting the clinical use of the antibiotics is the production of resistant and antibiotic dependent disease agents. Combination therapy is under investigation to combat this trend.

In bringing the two-day symposium to a close, E. V. Cowdry postulated with some optimism that the answer to the cancer problem lay in the fields of antibiotics (*Science,* January 30, p. 101). (MALCOLM H. SOULE, *Secretary.*)

NEWS and Notes

Plans are gradually being formulated for the next meeting of the Association, to be held in Washington, D. C., September 13–17. The AAAS Centennial Policy Committee, pictured on this week's cover, held its most recent meeting in Association headquarters in Washington on January 24–25. The group includes: *left to right* (standing)—F. R. Moulton, administrative secretary; Wendell M. Stanley, Rockefeller Institute; Roger Williams, University of Texas; John M. Hutzel, assistant administrative secretary; (seated)—Harlow Shapley, Harvard University; Edmund W. Sinnott, Yale University; and E. U. Condon, National Bureau of Standards. James Gilluly, of the University of California at Los Angeles, also a member of the Committee, was unable to attend. *Science* will from time to time publish brief reports of plans for the Centennial Meeting. The first of these will appear in next week's issue.

About People

William L. Slate, director of the Connecticut Agricultural Experiment Station and vice-director of the Storrs Agricultural Experiment Station since 1923, retired on December 31. Director Slate began his career in Connecticut in 1913, when he joined the Storrs Station as an agronomist.

W. H. Twenhofel, of the University of Wisconsin, editor of the *Journal of Sedimentary Petrology,* received the honorary D.Sc. degree from the University of Louvain, Belgium, on October 20, 1947.

Sherman Dickman, recently a research associate in biochemistry at Columbia University, has joined the staff of the Department of Biochemistry, University of Utah School of Medicine, Salt Lake City, as assistant professor.

Gian C. Wick, professor of physics, University of Notre Dame, has been appointed professor of physics, University of California, Berkeley, effective July 1.

Philip T. Kirwan has been appointed technical editor in the Information and Editorial Branch, Technical Services Division, Chemical Corps Technical Command, Army Chemical Center, Maryland. He was previously a senior technical aide in the Office of Scientific Research and Development, Washington, D. C., serving in the Liaison Office and in Division 3, NDRC (Rocket Ordnance).

C. L. W. Swanson, head of the Soils Department at the Connecticut Agricultural Experiment Station, has been named chairman of the Subcommittee on Soil Surveys of the North-

eastern Regional Soil Research Committee. The new subcommittee will advise on all soil surveys performed by the agricultural experiment stations in the 12 states included in the region, as well as planning national surveys with committees of the other three regions. Dr. Swanson has had wide experience in soil survey work and organized the first reconnaissance soil survey of Japan in 1945 (*Science*, September 19, 1947, p. 256).

James S. Murray, who has been director of research at the Warner Company of Philadelphia since 1930, has been appointed associate professor of materials in the Department of Building Engineering and Construction, Massachusetts Institute of Technology. There he will be in charge of the masonry materials research laboratory.

Woodrow M. Morris, director and chief psychologist, Division of Special Clinical Services, Bureau of Psychological Services, Institute of Human Relations, University of Michigan, has been appointed assistant professor of clinical psychology and senior psychologist in the Psychopathic Hospital at the State University of Iowa.

R. J. Pool, chairman of the Department of Botany, University of Nebraska, since 1915 and a member of the faculty for 40 years, has resigned as chairman but will continue on the departmental staff as professor of botany. **W. W. Ray,** formerly of Oklahoma A & M College, succeeds Dr. Pool.

Edward L. Tatum, biochemical geneticist, will rejoin the faculty of Stanford University in September as professor of biology, it was announced recently. Joining the Stanford faculty in 1937 as a research associate, Dr. Tatum later became an assistant professor of biology. In 1945 he accepted an associate professorship at Yale, later becoming a full professor in Yale University's new Institute of Microbiology.

Lloyd Van Doren, chemical consultant specializing in patent matters and registered patent agent, is now located at 30 East 40th Street, New York City.

Wilbur A. Selle, professor of physiology, and director, Laboratory of Medical Physics, University of Texas Medical Branch, has been appointed visiting professor of physiology, University of Arkansas School of Medicine, and will spend several weeks there at the close of the semester. Dr. Selle will return to Galveston to direct a postgraduate course in physical medicine to be held March 1–5 at the Medical Branch.

Sidney S. Negus, professor of chemistry, Medical College of Virginia, Richmond, has been appointed administrator of the Richmond Area University Center, "a piece of modern educational machinery" designed and operated by the officers and faculties of Hampden-Sydney College, Medical College of Virginia, Randolph-Macon College, University of Richmond, University of Virginia, College of William and Mary, Richmond Professional Institute, Union Theological Seminary, and General Assembly's Training School. Dr. Negus will devote part time to administering the affairs of the Center. Information concerning this educational experiment may be obtained from the administrator.

Visitors to U.S.

G. G. Taylor, a plant pathologist from the Plant Diseases Division, Department of Scientific and Industrial Research, New Zealand, has arrived in the United States to take over the headship of the New Zealand Scientific Liaison Office, located in Washington, D. C. Dr. Taylor, who has replaced **J. A. D. Nash** in that capacity, expects to remain here about a year.

Chi-Ping Cheng, instructor in physiology at Hsiang-Ya Medical College, Changsha, China, and Traveling Research Fellow of the American Bureau for Medical Aid in China, is now a Visiting Research Fellow in the Department of Pharmacology, University of Utah School of Medicine, working under L. S. Goodman. **Chuan-Yen Wang,** of the National Institute of Health, Nanking, China, and a Honan Provincial Government Traveling Scholar, is doing graduate work in the same department.

Jack Still, professor of biochemistry, University of Sydney, Australia, recently visited the University of Texas Medical Branch to survey studies on enzyme chemistry being made by Witkor Nowinski, research associate, Tissue Culture Laboratory. Dr. Still, who is a Rockefeller Traveling Fellow, plans to work with David E. Green at Columbia University.

Grants and Awards

The Forsyth Dental Infirmary for Children, Boston, has received a 5-year grant of $25,000 from the Charles H. Hood Dairy Foundation in support of a long-term study of growth and development of the teeth and jaws in relation to the problem of "malocclusion" of the human dentition. Participating in the study from the Forsyth staff are: C. F. A. Moorrees, orthodontist; Stanley M. Garn, physical anthropologist; and V. O. Hurme, director of clinical research. An Advisory Committee for the program consists of: George B. Wislocki, James Stillman professor of comparative anatomy, Harvard Medical School; Harold C. Stuart, professor of maternal and child health, Harvard School of Public Health; Earnest Hooton, professor of anthropology, Harvard University; and Roy O. Greep, associate professor of dental science, Harvard School of Dental Medicine.

Harry T. Kelsh, of the Soil Conservation Service, U. S. Department of Agriculture, was presented the Sherman Mills Fairchild Award at the annual meeting of the American Society of Photogrammetry, held recently in Washington, D. C. The award, made annually to the man making the past year's outstanding contribution to photogrammetry, was given to Mr. Kelsh for his development of the Kelsh Plotter, an instrument which maintains the simplicity of a projection system in the compilation of maps from aerial photographs.

Roger B. Friend, chief entomologist, Connecticut Agricultural Experiment Station, is the 1948 recipient of the Award of Merit of the Connecticut Tree Protective Association. The award, made during the recent annual

one-day meeting of the Association, was given Dr. Friend in recognition of his contributions to forestry and arboriculture in Connecticut, particularly in the field of forest insect control.

The American Society of Plant Physiologists, at its annual meeting in Chicago December 27–30, selected Wightman W. Garner and Henry A. Allard as recipients of the Charles Reid Barnes Life Membership Awards. C. H. Wadleigh, secretary of the Society, in reporting the awards, states that "it is most appropriate that these two outstanding plant physiologists should be paid tribute by the ASPP in that their investigations led to the one contribution to plant physiology which is wholly American in its conception and development—photoperiodism.

The Society also honored four leading plant physiologists in other lands by conferring on them Corresponding Membership Awards. The four professors are Hans Burstrom (Sweden), Runar Collander (Finland), F. G. Gregory (England), and Albert Frey-Wyssling (Switzerland).

Fellowships

The U. S. Atomic Energy Commission last week announced a fellowship program for training qualified persons for careers in the medical and biological aspects of atomic energy. AEC will finance the program (approximately $1,000,000 has been budgeted for the first year) and establish the operating policies and training goals to be met. Selection of candidates and other administrative duties, however, will be carried out by the National Research Council, from which a detailed announcement will be forthcoming in the near future.

Although applicants from any branch of biology and medicine are eligible, at present preference will be given to those intending to follow a career of research in one of the basic biologic or medical sciences as related to the field of atomic energy, or clinical medicine or surgery as related to that field. Those applying in medicine and surgery will be encouraged to lay out a program of study leading to thorough experience in a preclinical science so that they may become identified with this science as such rather than primarily with its application to clinical studies. Initial fellowships are to be distributed among Doctors of Medicine, Doctors of Philosophy in the biological sciences, and Bachelors of Science and of Arts, who will receive training in health physics. Fellowships in the first two categories will extend for two years, while graduate training in health physics will be for one year or longer. Fellows will have a certain amount of latitude in selecting universities or laboratories at which to study, and although they will have an opportunity to do so, they will not be committed to work in AEC installations following their training. Results of work done by Fellows under the program may be published without restriction except in cases where such restriction is required for security reasons.

The expansion of AEC facilities has made it even more clear that the shortage of trained scientific personnel in fields directly related to atomic energy is serious. To increase its own resources and those of the Nation as a whole, AEC has therefore launched this important program.

Tau Beta Pi (engineering honor society) is again offering Fellowships for Graduate Study in Engineering for the school year 1948–49. Four to six such awards will probably be made this year. Each fellowship carries a stipend of $1,100, which may in many cases be enhanced by remission of most or all of the tuition fees of the school of the recipient's choice. February 29 is the final date for mailing of applications to the Director of Fellowships, Paul H. Robbins, 1359 Connecticut Avenue, N.W., Washington 6, D. C.

The Yale University School of Medicine announces that applications are now being accepted for postdoctorate research fellowships for 1948–49. These are the Alexander Brown Coxe Memorial Fellowships in the Biological Sciences, established in 1927 and available for investigation in the field of the biological sciences, including medicine, and the James Hudson Brown Memorial Fellowships, established in 1946 and available for promising applicants qualified to undertake research in the medical sciences, including clinical medicine and public health. The fellowships are open to university graduates who hold the Ph.D. or M.D. degree, preference being given to those who have previously demonstrated fitness to carry on research. They are awarded ordinarily for one year but may be renewed. The annual stipend, although determined by individual circumstances, is usually from $2,500 to $3,500. An additional sum may be assigned to the department of study to defray, in part, the cost of the proposed investigation. The closing date for applications is March 1, 1948. Application forms and additional information may be secured from C. N. H. Long, Dean, Yale University School of Medicine, 333 Cedar Street, New Haven 11, Connecticut.

Colleges and Universities

The University of Krakow Observatory will shortly be the recipient of a 20-inch reflecting telescope, Poland's largest. With the recent donation of $500 by the Polish National Home Association of Rhode Island, solicitation of funds for this purpose has reached the half-way mark, Charles H. Smiley, director of the Ladd Observatory, Brown University, and secretary of the National Books-for-Poland Committee, has announced.

Stefan Piotrowski, of the Krakow Observatory, who is to sail for home shortly, stated that the telescope would be used primarily in the photoelectric measurement of the brightness of eclipse variables. Dr. Piotrowski, a noted authority on eclipsing variable stars, has been conducting research at Harvard College Observatory this year on an Agassiz Fellowship provided by Harvard through the Kosciuszko Foundation.

Pomona College announces the establishment of a high-pressure catalytic laboratory with memorial funds given the college in honor of the late Frederick Arthur Schmidt, a first lieutenant killed in World War II. The laboratory, while planned primarily for research on heterogeneous catalysis under high pressures and temperatures, will also provide undergraduate instruction facilities in this field.

The School of Medicine, Western Reserve University, is organizing a Department of Microbiology, in recognition of the fundamental importance of the chemistry and physiology of the cell. Lester O. Krampitz will head the new department as professor of microbiology. Dr. Krampitz will begin immediately to select a staff for an efficient teaching and research program.

The Division of the Geological Sciences, California Institute of Technology, announces the appointment of R. Dana Russell as visiting professor and of C. Hewitt Dix as associate professor. Dr. Russell, consulting geophysicist for the U. S. Navy Electronics Laboratory, will work in sedimentary petrology, a field to which he has made many contributions. Dr. Dix, geophysicist with the United Geophysical Company for the past 6 years, will specialize in the seismic and gravitational phases of applied geophysics.

The Polytechnic Institute of Brooklyn is to offer the new degree of Master of Science in Applied Mathematics to meet the growing need for mathematical knowledge applicable to all engineering fields. This degree, offered by only a few technological schools in the country, meets the demand for broader applications of basic sciences stimulated by wartime developments. R. M. Foster, head of the Department of Mathematics, former research mathematician in the Bell Telephone Laboratories and authority on network theory and Fourier transforms, has directed development of the curriculum and staff for the program.

Summer Programs

A course on the Biochemistry of Cancer will be offered by Jesse P. Greenstein, chief, Biochemistry Section, National Cancer Institute, under the auspices of the Division of Biochemistry, University of California, Berkeley, June 21–July 31. The course, the first of its kind ever offered in a U. S. university, constitutes a part of the program of research into the origin, prevention, and cure of cancer which has been inaugurated by the University with the aid of an appropriation from the State Legislature.

The Mt. Desert Island Biological Laboratory, which will celebrate its 50th anniversary this summer, is again offering its facilities for research and study in biology from June 15 to September 15. The laboratory buildings, which were not damaged by the recent fire, are in an unusual location, with sea, fresh-water lakes and streams, and mountain and forest areas in the immediate vicinity. Laboratory rooms, which rent from $75 to $200 for the season, will accommodate from one to several people. The buildings are equipped with running salt and fresh water, electricity, Pyrofax gas, basic glassware, and chemicals. Also available is a darkroom building, a large, modern dock equipped with wells and live cars, and a motor dory and skiffs for nearby marine collecting. In addition, there is a newly-equipped laboratory for studying problems in tissue growth, which is under the supervision of Philip R. White. Those desiring to work with Dr. White, should first contact him at the Institute for Cancer Research, Girard and Corinthian Avenues, Philadelphia 30, Pennsylvania. Applications for rooms should be sent to J. Wendell Burger, Director, Trinity College, Hartford 6, Connecticut. The assignment of rooms and facilities will be made May 1, following the order of receipt and special needs.

The Department of Physics, University of California, Berkeley, has announced that visiting professors for the first summer session of 1948 (June 21–July 31) will be J. R. Oppenheimer, Institute for Advanced Study, Princeton, New Jersey, and W. W. Watson, Yale University, and for the second session (August 2–September 11), D. M. Dennison, University of Michigan, Enrico Fermi, University of Chicago, and N. F. Ramsey, Harvard University. Each professor will offer an advanced course in physics and a seminar.

Meetings

The Eastern Association of Electroencephalographers announces its Montreal meeting, to be held February 27–29 at the Montreal Neurological Institute; social and sports activities are also included in the program. Inquiries regarding the meeting may be addressed to John Abbott, EAEEG chairman, 125 Steele Road, West Hartford 7, Connecticut.

The American Society of Mechanical Engineers is holding its spring meeting March 1–4 in New Orleans. Several hundred members of the Society are planning to attend the four-day program of technical and general sessions. In the 8 technical sessions, industrial speakers will present papers on gas turbines, metals engineering, power, materials handling, heat transfer, fuels and processing, and management. Theme of the opening luncheon program, to be held at the St. Charles, headquarters hotel, will be nuclear energy. Inspection trips will include tours of local industrial plants. Full details of the meeting may be obtained from Ernest Hartford, Executive Assistant Secretary, ASME, 29 West 39th Street, New York 18, New York.

The American Association of Anatomists, by invitation of the University of Wisconsin, will hold its 61st meeting in Madison April 21–23. Demonstrations and all other sessions will be held at the Memorial Union building of the University. Chairman of the local committee is T. H. Bast, Department of Anatomy, University of Wisconsin; H. W. Mossman, of the same department, is in charge of demonstrations and motion pictures; and F. D. Geist, also of the Anatomy Department, is in charge of hospitality. The Association's secretary, Normand L. Hoerr, of Western Reserve University, has issued a call for titles and abstracts of papers, demonstrations, and motion pictures, as well as demonstration specification cards to be submitted not later than February 16.

The American Section, International Scientific Radio Union, and the **Institute of Radio Engineers** will hold their annual joint meeting in Washington, D. C., May 3–5, 1948. The program will, as usual, be devoted to the more fundamental and scientific aspects of radio and electronics. The program of titles and abstracts will be available in booklet form for distribution before the meeting. Anyone wishing to submit papers for presentation at this meeting

should send in title and a 100-word abstract as soon as possible to Dr. Newbern Smith, Secretary, American Section, URSI, National Bureau of Standards, Washington 25, D. C. Correspondence should be addressed to the Institute Office, 1 East 79th Street, New York 20, or to Dr. Smith.

The Western Society of Naturalists held its annual winter meeting, December 29–31, at the University of California, Berkeley.

On Monday afternoon a symposium on "Variation of Species in Relation to Climate" was held jointly with the California Botanical Society. H. E. McMinn, of Mills College, president of that organization, organized the session, in which the following participated: Lyman Benson, Pomona College; F. A. Pitelka, University of California, Berkeley; Jens Clausen, Carnegie Institution of Washington; and G. L. Stebbins, University of California, Berkeley. Monday evening the Society enjoyed a film on bird life by Mrs. Laura Reynolds.

On Tuesday morning the Society held a symposium on "Chemical Control of Plant Growth" which was directed by J. Van Overbeek, Shell Agricultural Laboratory, Modesto, California. Others who participated on this program were Rene Blondeau, Shell Agricultural Laboratory, Modesto, California; Jacob Biale, University of California, Los Angeles; and William S. Stewart, University of California, Riverside.

At the annual dinner the retiring president, George W. Beadle, of California Institute of Technology, gave an address on "Recent Advances in Genetics."

Wednesday morning a symposium on "Problems of Desert Animals," organized by Raymond B. Cowles, was held. Others participating were Charles T. Vorhies, University of Arizona; Wade Fox, Jr., University of California, Berkeley; A. M. Woodbury, University of Utah; and Ross Hardy, Weber College, Utah.

Fourteen miscellaneous papers on diverse aspects of biology were presented at the Tuesday and Wednesday afternoon sessions.

Officers elected for the coming year are: president, Denis L. Fox, Scripps Institution of Oceanography; vice-president, Raymond Selle, Occidental College; secretary-treasurer, H. W. Graham, Mills College; members of Executive Committee, A. R. Moore, University of Oregon, and Garret Hardin, Santa Barbara College of the University of California. (HERBERT W. GRAHAM, *Secretary.*)

Elections

The Society of American Foresters has recently elected Clyde S. Martin, chief forester, Weyerhaeuser Timber Company, Tacoma, Washington, as president to succeed Shirley W. Allen, professor of forestry, University of Michigan, and Charles F. Evans, assistant regional forester for the southern region, U. S. Forest Service, Atlanta, Georgia, as vice-president. The president, vice-president, and 9 additional members compose the governing Council, to which the following were elected: Willis M. Baker, Tennessee Valley Authority; Paul M. Dunn, Oregon State College; James C. Evenden, U. S. Department of Agriculture, Coeur d'Alene, Idaho; Charles H. Flory, South Carolina Commission of Forestry; William B. Greeley, West Coast Lumbermen's Association, Seattle; Clarence S. Herr, Brown Company, Berlin, New Hampshire; Richard E. McArdle, U. S. Forest Service, Washington, D. C.; DeWitt Nelson, Department of Natural Resources, Sacramento, California; and John W. Spencer, U. S. Forest Service, Denver, Colorado.

Election to the grade of Fellow is the highest honor the Society can confer on a member. In addition to the foregoing officers, the following were elected as Fellows: Shirley W. Allen, University of Michigan; Hugh P. Baker, University of Massachusetts; Tom Gill, Charles Lathrop Pack Forestry Foundation; Dwight S. Jeffers, University of Idaho; Walter C. Lowdermilk, Berkeley, California; Raymond E. Marsh, U. S. Department of Agriculture; Clyde S. Martin; David T. Mason, of Mason, Bruce, and Girard, Portland, Oregon; John F. Preston, Dickerson, Maryland; Stuart B. Show, United Nations Food and Agriculture Organization; and George H. Wirt, Pennsylvania Department of Forests and Waters.

The Torrey Botanical Club (incorporated in 1872), at its annual dinner meeting at Hunter College, New York City, on January 8, elected the following officers for 1948: John A. Small, New Jersey College for Women, president; George S. Avery, Brooklyn Botanic Garden, 1st vice-president; Wendell H. Camp, New York Botanical Garden, 2nd vice-president; Jennie L. S. Simpson, Hunter College, corresponding secretary; Donald P. Rogers, New York Botanical Garden, recording secretary; Elva Lawton, Hunter College, treasurer; Harold W. Rickett, New York Botanical Garden, editor; Harold H. Clum, Hunter College, business manager; and Lazella Schwarten, Gray Herbarium, bibliographer.

The Mineralogical Society of America has announced election of new officers for 1948. These are: Martin A. Peacock, University of Toronto, president; Adolph Pabst, University of California, Berkeley, vice-president; C. S. Hurlbut, Jr., Harvard University, secretary; Earl Ingerson, U. S. Geological Survey, Washington, D. C., treasurer; Walter F. Hunt, University of Michigan, editor; and Clifford Frondel, Harvard University, councilor (1948–51).

The American Society of Naturalists, at its meeting in Chicago on December 31, elected Paul R. Burkholder, Department of Botany, Yale University, president for 1948; T. M. Sonneborn, Department of Zoology, Indiana University, vice-president for 1948; and Donald P. Costello, Department of Zoology, University of North Carolina, treasurer for 1948–50. W. S. Stone, Department of Zoology, University of Texas, is secretary of the Society.

Deaths

George B. Wallace, 72, professor emeritus at the New York University College of Medicine and founder of the Department of Pharmacology of the college, died in New York City January 15.

Hermann Rudolph Bernhard, 62, professor of chemistry at Marietta College, died suddenly on January 17 at his residence in Williamstown, West Virginia.

William Lindsay Malcolm, 63, director of the School of Civil Engineering at Cornell University since 1938, died January 18 following a heart attack.

Fred Conrad Koch, 71, Frank P. Nixon distinguished service professor emeritus of biochemistry, University of Chicago, and director of biochemical research at Armour and Company, died suddenly January 26. Dr. Koch became associated with the University in 1909.

John G. Jenkins, 46, head of the Department of Psychology, University of Maryland, died January 30 in College Park. During the war Dr. Jenkins was chief of the Aviation Psychology Branch, Bureau of Medicine and Surgery, Navy Department.

The Atomic Energy Commission has announced that the first shipment of stable isotopes from Oak Ridge was consigned on January 21 to M. L. Pool, of Ohio State University's Physics Department. Dr. Pool received stable isotopes of molybdenum 92, 94, and 98, germanium 70 and 76, and selenium 74 and 76, which will be bombarded in the University's cyclotron for studies of nuclear reactions and transmutations. On January 22 other shipments including lithium 6 and 7, boron 11, magnesium 25, silicon 29, chromium 50, iron 54, zinc 67, and lead 204 were made to Samuel K. Allison, director, Institute for Nuclear Studies, University of Chicago; T. Lauritsen, California Institute of Technology; M. L. Perlman, General Electric Company, Schenectady, New York; and J. E. Mack, Department of Physics, University of Wisconsin.

Availability of over 100 stable isotopes of 29 elements was announced by AEC in December. Since the supply of these isotopes is limited and production costs high, they are being furnished to laboratories throughout the country only on a loan basis. Request for an allocation must be made by the interested laboratory to the Isotopes Division, AEC, Oak Ridge, Tennessee. Upon approval of the request, the requestor must forward a purchase order of $50 for each enriched sample to the Carbide and Carbon Chemicals Corporation, Isotopes Office, Oak Ridge, which produces the isotopes in an electromagnetic separation plant and which will ship the material prepaid by railway express. Upon completion of the research, or within the date specified on the allocation, the material must be returned, express prepaid by the laboratory.

AEC recently announced appointment of a new Advisory Committee on Isotope Distribution. On January 1 this Committee replaced the Interim Committee which has been advising the Commission on matters of distribution policy, allocation, and human applications. G. Failla, Columbia University Medical School, is chairman of the newly appointed group which also consists of H. L. Friedell, Western Reserve University; A. H. Holland, Jr., medical adviser at Oak Ridge; J. G. Hamilton, University of California; J. W. Kennedy, Washington University, St. Louis; R. D. Evans, Massachusetts Institute of Technology; Austin M. Brues, Argonne National Laboratory; L. N. Nims, Brookhaven National Laboratory; H. A. Barker, University of California; Henry Borsook, California Institute of Technology; and P. C. Aebersold, chief of the Isotopes Branch at Oak Ridge. Dr. Aebersold is serving as secretary of the Committee and of its Subcommittees on Human Applications and on Allocation and as liaison representative of AEC.

Current medical and scientific data on poliomyelitis are depicted graphically in a set of scientific exhibits prepared by the National Foundation for Infantile Paralysis as part of its professional education program and now available for annual meetings of state and regional medical associations. These exhibits cover diagnostic criteria, techniques of muscle testing, histopathology, syndromes of bulbar poliomyelitis, results of scientific research on virus characteristics, role of flies and sewage, and a working hypothesis of transmission during epidemics. Further information concerning the exhibits may be obtained from the Director of Scientific Information, National Foundation for Infantile Paralysis, 120 Broadway, New York 5, New York.

The Office of Technical Services, Department of Commerce, announces the availability of a classified printed list of 1,800 reports on German, Japanese, and American wartime technology. Of the reports included in the 57-page classified list, 84 are concerned with aeronautics, 309 with chemicals, 73 with electrical equipment, 47 with food products, 108 with fuels and lubricants, 79 with machinery other than electrical, and 85 with textiles. Some of the most valuable information found by American investigators in two years of searching German firms and laboratories is included in these reports. Multilith copies of the listing, PB–81500 (*Classified list of OTS printed reports*; 57 pp.) sell for $.75. Orders for the listing, stating PB number and accompanied by a check or money order made payable to the Treasurer of the United States, should be addressed to the Office of Technical Services, Department of Commerce, Washington 25, D. C.

Abstracts of the reports contained in the listing PB–81500 may be found in the *Bibliography of Scientific and Industrial Reports.* The Bibliography is a weekly publication prepared by OTS containing abstracts of scientific and technical reports. Subscriptions at $10 per year may be placed with the Superintendent of Documents, Washington, D. C.

Make Plans for—

American Society of Experimental Pathology, March 15–20, Atlantic City, New Jersey.

Ohio Society of Professional Engineers, March 18–20, Netherland Plaza Hotel, Cincinnati, Ohio.

Chicago Technical Conference, in conjunction with annual Chicago Production Show, March 22–24, Stevens Hotel, Chicago, Illinois.

Symposium on "Modern Instrumental Methods of Analysis," sponsored by Minnesota Section, American Chemical Society, and Institute of Technology, March 22–24, University of Minnesota, Minneapolis.

Institute of Radio Engineers, March 22–25, 1 East 79th Street, New York City.