# **NEWS** and Notes

tion of radioactive isotopes.

unclassified.

the purpose of separating radioactive membership of which is composed of times the neutron flux of the first, a Trustees. Assistant director of the 30,000,000- to 40,000,000-electron volt Laboratory is Robert A. Patterson. cyclotron, a 600,000,000- to 1,000,-000.000-electron volt synchrocyclo- are to be organized departmentally tron, an electronuclear machine in around fundamental fields of research. which electrons or positive particles The Physics Department, which has may be accelerated to energies of already begun its work, is headed by 1,000,000,000 volts, and various other N. F. Ramsey. Also under way are the forms of apparatus beyond the reach Electronuclear Machines Project, of individual institutions. Prior to under M. Stanley Livingston, and the completion of the larger equipment First Pile Project, headed by Lyle B. the staff will experiment with cosmic Borst. rays and induce radioactive substances such as C<sup>14</sup>.

about 2,000. It is expected that about diseases such as cancer and many by the fall of 1947.

nonprofit corporation formed by 9 power production."

major eastern universities, each of which nominates two trustees. The Inter-Society Committee for a Nauniversities and their representatives tional Science Foundation has enfollow: Columbia University-I. I. dorsed S. 526 (the Smith Bill) with Rabi and George B. Pegram; Cornell two suggested amendments. First is University-F. A. Long and A. S. that the number of members of the Adams: Harvard University-G. B. Foundation be reduced from 24 to 9. Kistiakowsky and Edward Reynolds; Second is the recommendation that Brookhaven National Laboratory, Johns Hopkins University-R. D. the Director be appointed by the now under construction on the 6,000- Fowler and P. S. Macaulay; Massa- President, after consulting with the acre site of Camp Upton, Long Island, chusetts Institute of Technology-J. members of the Foundation, by and New York, is a government-owned, R. Zacharias and J. R. Killian, Jr.; with the advice and consent of the government-financed atomic research University of Pennsylvania-L. N. Senate. These recommendations were project operated by Associated Uni- Ridenour and W. H. DuBarry; Prince- made on May 1 in letters to Senator versities, Inc., under contract with the ton University-H. D. Smyth and Taft, chairman of the Senate Com-U.S. Atomic Energy Commission. The G.A. Brakeley; University of Roches- mittee on Labor and Public Welfare. Laboratory's program will be oriented ter-George B. Collins and R. L. Senator Smith, principal author of the toward the development of funda- Thompson; Yale University-W. W. bill, and Representative Wolverton, mental scientific information on the Watson and E. W. Sinnott; Between chairman of the House of Representanature and properties of atomic full meetings of the Board of Trustees tives Committee on Interstate and energy, its application to chemistry, an Executive Committee (see cover) Foreign Commerce. That Committee physics, medicine, and biology, and acts with authority in determination is considering science foundation bills improved techniques for the produc- of Laboratory policies. Eldon C. in the House of Representatives. tion of atomic power and the prepara- Shoup, full-time executive vice-presi- The Executive Committee met in dent of AUI, is responsible for execut- Washington, D. C., April 228. The Results of studies carried on will be ing the policies and programs of the meeting was attended by Edmund E. Board. The director of the Laboratory, Day, Ralph W. Gerard, Harlow Shap-Facilities will include a graphite Philip M. Morse, is assisted by a lev, C. G. Suits, Homer W. Smith. uranium pile, a "hot" laboratory for Scientific Advisory Committee, the Douglas Whitaker, and Dael Wolfle. isotopes, still another pile with 100 the 9 scientists on the Board of

The activities of the Laboratory

In the words of the director, "By our research in physics and chemistry, Ultimately, a permanent staff of we hope to learn more about the be-300 scientists will be assigned to the havior of atoms so as to control Physical Chemistry, Harvard Medical Laboratory. In addition, there will atomic energy for beneficial uses. In School, has been appointed assistant be a visiting staff of about 200 and biology and medicine, we will learn administrative, technical, mainte- more about living organisms, in order nance, and service personnel totaling to develop methods of treatment for 100 scientists will have been assigned other ills. By fundamental research in engineering, we hope to be able to Associated Universities, Inc., is a speed the development of atomic Department of Agriculture, has been

The Executive Committee of the

## **About People**

Carl C. Lindegren, research professor of botany, Washington University. St. Louis, spent the month of April at the University of Washington, Seattle, as a Walker Ames professor of botany. His series of lectures will be published in the near future under the title Yeast genetics.

Fernandus Payne, dean of the Graduate School, Indiana University, addressed the Sigma Xi Club of the University of Louisville April 18 on "The Cytology of the Pituitary Gland of the Fowl."

Peter R. Morrison, Department of professor of zoology and physiology at the University of Wisconsin, beginning in September.

Theodore L. Swenson, special assistant to the chief of the Bureau of Agricultural and Industrial Chemistry, appointed head of the food technology processing industry.

H. H. Mottern, food research chemist, has been appointed director of research staff since 1945. Previously Dr. of Agriculture.

Donald F. Jones, geneticist at the Connecticut Agricultural Experiment Station, will address the members of the Plant Institute, Ohio State University, May 19, on "Our Concepts of Hybrid Vigor Today and Yesterday." At a dinner to be held in his honor, Dr. Jones will speak on "The Development of Hybrid Seed Corn in the United States."

John A. C. Bowles, associate director, Research and Control Department, Rexall Drug Company, has been appointed director of the newly-created Product Development Laboratory, Medical Research Division, Sharp & Dohme, Inc.

#### Grants and Awards

Selman A. Waksman will receive the 1947 Passano Foundation Award of \$5,000 at a presentation dinner scheduled for June 12, during the week of the meetings of the American Medical Association in Atlantic City. In addition to Dr. Waksman's address, "Antibiotics and Tuberculosis-A Microbiological Approach," the program will include a brief upon 12- rather than 9-month appointaddress by Sir Howard Florey, Oxford, England, who was knighted for his development of the clinical applications of penicillin.

Dr. Waksman receives the award for his original research in the field of anti- by faculty members during such periods. biotics culminating with his discovery of The new appointment plan will enable streptomycin. The Passano Foundation, faculty members to do research, study, established in 1943 by The Williams & preparation of course material, teaching, Wilkins Company, medical publishers, student supervision, and administration that which has clinical application.

Clvde E. Keeler, a member of the faculty, Georgia State College for Women, Milledgeville, received the prize offered nounced the following promotions, to be- of physics, University of California, for the first time by the Association of come effective July 1: Philip M. Richard- Berkeley; Walter J. Meek, acting dean, Southeastern Biologists for the best re- son, to professor of biology; Julian L. Medical School, University of Wisconin; search paper presented at its annual meet- Solinger, to associate professor of biology; J. L. Oncley, director, Ultracentrifuge ing. Dr. Keeler's prize-winning report and Shirley T. Northrup, to assistant pro- Laboratory, Harvard University Medical

section of the Stanford Research In- was entitled: "Modification of Brain and fessor of chemistry. New appointments to stitute, where he will coordinate scientific Endocrine Glands as an Explanation of the faculty are: Mary P. Crumley, inresearch with developments in the food- Altered Behavior Trends in Coat-Char- structor in biology, and Yorick G. Hurd, acter Mutant Strains of the Norway instructor in physics. Rat."

The 1947 Edward L. Bernavs research of the H. J. Heinz Company, Atomic Energy Award of a \$1,000 U.S. where he has been a member of the Government bond will be made by the elected the following officers during its Society for the Psychological Study of annual meeting, held in Washington, D. Mottern was with the U.S. Department Social Issues to the individual or group C., April 28-30: Alfred N. Richards, contributing the best action-related re- University of Pennsylvania, president for search in the field of the social implica- a four-year term; F. E. Wright, Carnegie tions of atomic energy, according to an Institution of Washington, re-elected announcement by David Krech, chair- home secretary for a four-year term; W. man of the Award Committee. All re- Albert Noyes, University of Rochester, search published or completed in 1947 and Donald D. Van Slyke, Hospital of the or manuscripts reporting such research Rockefeller Institute for Medical Rebut not yet published are eligible for con- search, members of the Council of the sideration. Reports must be submitted in Academy for three-year terms. duplicate not later than November 1, 1947. All communications relative to the are: Luis W. Alvarez, professor of physics, Award should be addressed to Dr. David University of California, Berkeley; Robert Krech, Swarthmore College, Swarthmore, F. Bacher, U. S. Atomic Energy Commis-Pennsylvania.

## **Colleges and Universities**

Stanford University has announced the following promotions: Hubert S. Loring and Richard A. Ogg, Jr., professors of chemistry; Orson Cutler Shepard, professor of mineral sciencesr Reed Clark Rollins, associate professos of biological sciences; Robert Lewi; Bacon and William A. Bonner, assistant professors of anatomy and chemistry.

California Institute of Technology has adopted a new faculty salary plan based ments, according to an announcement by Lee A. DuBridge, president. The plan will provide for a month's vacation and leave of absence either with or without pay, depending upon the type of work to be done Baltimore, Maryland, provides the award work on or off campus during the summer to encourage medical research, especially months. This plan, which will also include zoology, Harvard University; Wolfgang substantial salary increases, will become effective July 1.

#### Elections

The National Academy of Sciences

Newly elected members of the Academy sion, Washington, D. C.; Paul D. Bartlett, professor of chemistry, Harvard University; Jacob Bjerknes, professor of physics, University of California at Los Angeles; Francis G. Blake, dean of Yale University School of Medicine; R. Alexander Brink, chairman, Department of Genetics, University of Wisconsin; Ralph W. Chaney, professor of paleobotany and curator of paleobotany, Museum of Paleobotany, University of California, Berkeley; Arthur C. Cope, professor in charge of Department of Chemistry, Massachusetts Institute of Technology; Farrington Daniels, professor of physical chemistry, University of Wisconsin; Arnold Gesell, director, Clinic of Child Development, Yale University School of Medicine; James Gilluly, professor of geology, University of California at Los Angeles; R. B. Goldschmidt, professor of zoology, University of California, Berkeley; Samuel A Goudsmit, professor of physics, Northwestern University; C. H. Herty, Jr., research engineer and assistant to vice-president, Bethlehem Steel Company; Frederick L. Hisaw, professor of Köhler, professor of psychology, Swarthmore College; L. G. Longsworth, associate member, Rockefeller Institute for Medical Simmons College, Boston, has an- Research; Edwin M. McMillan, professor

istry, Yale University; John P. Peters, professor of medicine, Yale University; Paul A. Smith, professor of mathematics, Columbia University; C. Richard Soderberg, professor of applied mechanics, Massachusetts Institute of Technology; Paul Weiss, professor of zoology, University of Chicago; F. W. Went, professor of plant pathology, California Institute of Technology: Robert E. Wilson, chairman, Board of Directors, Standard Oil Company of Indiana; and E. Bright Wilson, Ir., professor of chemistry, Harvard University.

New foreign associates of the Academy are: P. A. Alexandroff, professor of mathmatics. University of Moscow; K. Linderstrøm-Lang, head, Chemical Division, mark; J. N. Bronsted, professor and director, Institute for Physical Chemistry, Copenhagen, Denmark; Björn Helland-Hansen, director, Geophysical Institute, Bergen, Norway; and Frederic Charles Bartlett, director, Psychological Laboratory, Cambridge, England.

Walter D. Lambert. U. S. Coast and Geodetic Survey, president of the International Association of Geodesy, on January 13 was elected a correspondent of the Paris Academy of Sciences, Institut de France, in the Section of Geography and Navigation. He succeeds Father Pierre Leiav, who was elected a nonresident member of the Academy.

Wendell G. Scott. associate professor of clinical radiology at Washington University School of Medicine, has been re-elected president of the St. Louis Radiological Society for 1947.

The Hawaii Chapter of the Society of the Sigma Xi was officially installed March 19 in Honolulu during the University of Hawaii's 40th anniversary celebrations. Harlow Shapley and Karl T. Compton installed the following officers: John H. Beaumont, director of the University of Hawaii Agricultural Experiment Station, president; Robert W. Hiatt, associate professor of zoology, vicepresident; O. A. Bushnell, assistant professor of bacteriology, secretary-treasurer; Discovery of an Upper Pleis - physical device in the search for Early and Janet Smith, associate professor of education, and C. E. Pemberton, chief entomologist, Hawaiian Sugar Planters' Association, councilors.

School; Lars Onsager, professor of chem- nized by the national society beyond the aid of the Viking Fund, Inc., of New continental limits of North America.

> The Eastern Psychological Association elected the following officers at its meeting in Atlantic City on April 25-26: J. McV. Hunt, Institute of Welfare Research, Community Service Society of New York, president, 1947-48; Harold Seashore, Test Division, Psychological Corporation, secretary, 1947-49; Weston A. Bousfield, University of Connecticut. treasurer, 1947-50; O. Hobart Mowrer, Graduate School of Education, Harvard University, and Helen Peak, Connecticut College for Women, directors, 1947-50.

#### **Recent Deaths**

Morgan Brooks, 86, professor emeritus Carlsberg Laboratory, Copenhagen, Den- of electrical engineering at the University of Illinois, died April 23 in Washington, D.C.

> Sir Almroth Wright. 85, fellow of the Royal Society and former director of the Institute of Pathology, St. Mary's Hospital, London, died at his home, Farnham Common, Buckinghamshire, on April 30. Sir Almroth originated the system of inoculations for typhoid, enteric tuberculosis, and pneumonia and developed methods to measure their effects on the blood.

> Abel Joel Grout. 80, bryologist and author of many books on mosses, died March 27 in East Bradenton, Florida.

The 50th annual volume of The Bryologist, journal of the Sullivant Moss in the event. Society, will be dedicated to Dr. Grout, founder of the journal and co-founder of was given by a preliminary geophysical the Society, according to an announce- survey carried out by Dr. Hans Lundment by the editor, W. C. Steere, Depart- berg, of Toronto, Canada. The spot ment of Botany, University of Michigan. marked the point of greatest electrical It is expected that the special anniversary resistance offered to an alternating curissue will contain more than twice its usual number of pages.

J. Hunter Gooding, Jr., 55, sales manager of the Semesan Division, Grasselli Chemicals Department, Du Pont Company, died April 14 after an illness of more than a year.

# tocene Human Skeleton at Tepexpan, Valley of Mexico

The Hawaii Chapter is the 98th chap- of Mexico which have been carried out by more quickly had various demonstrations

York, and with the cooperation of the Instituto Nacional de Geólogia and the Instituto de Antropologia e Historia in Mexico City, reached a successful climax on February 22 with the discovery of a fossil human skeleton in the Upper Pleistocene Becerra formation near the village of Tepexpan, in the State of Mexico. The well-fossilized bones were found in an excavation at a depth of 1.12 meter in a buff-colored, silty clay-the same laver which had previously yielded several skeletons of the imperial elephant.

The geologic position and preservation of this fossil is such as to exclude all possibilities of intrusive burial or redeposition. It was found 30 cm. deep below the caliche formation, which in this region marks the beginning of the early Recent period. The caliche was diagnosed first by Prof. Kirk Bryan, of Harvard University, as a dryclimate fossil soil which represents the same dry climatic phase recognized by Dr. E. Antevs in the American Southwest and dated by him as 10,000 years old. The preceding Becerra formation represents the last Pluvial, when the Valley of Mexico was occupied by a lake whose beaches are preserved near the site. The fossilbearing layer marks the closing phase of the Becerra Pluvial, when the lake level had fallen and a swampy lagoon had formed near Tepexpan. It is presumed that an entire herd of mammoth was trapped on the swampy ground and that prehistoric man was somehow involved

The precise location of the excavation rent artificially introduced into the ground in the manner of the linear electrode method. Without this geophysical survey the fossil could not have been located, since the ground offered no clues other than the presence of several buried mammoth remains found scattered over a portion of a flat lake plain 3,000,000 square meters in extent. To my knowledge, this is the first successful application of a geo-Man. The total cost of the instruments did not exceed \$600. The plotting of equipotential lines between two electrodes The studies on Early Man in the Valley took 9 days, but might have been done ter to be formed and the first to be recog- the writer since November 1945 with the not interrupted Dr. Lundberg's survey.

that the person, an adult male, met with Nacional de Geologia. (HELMUT DE does not project to a marked extent an accidental death. The body lay TERRA, Calle Tigris, Mexico, D. F.) doubled up with legs drawn up to the chest, face downward, and must have sunk partially into mud so that the buried portion escaped the scavanging action of animals which may be held responsible note on the Tepexpan discovery Dr. for carrying off the feet, hip bones, most Franz Weidenreich has made a prelimiof the chest, backbones, and shoulder nary report on the anatomical character blades. Such an explanation would ac- of this skeleton. His report follows: count best for the peculiar preservation and position of the buried skeletal re- indicates that the individual belongs to mains.

In this connection it is of interest to localities in the Becerra formation. These calvarial height being about 140 mm .-bones of elephant, bison, horse, and Glyp- the skull), there are some structural A. R. V. Arellano with an elephant skull human skulls. The frontal and occipital

broken tibiae, 2 fibulae, 2 collar bones, 3 features are recognizable at the nuchal mentary cervicals, 2 humeri, 1 complete region (temporal line). right radius and 1 fragmentary left radius, 13 finger bones.

truly primitive features.

The excavation site and vicinity have been mapped by Mr. Kenneth Seger- special primitive features. There is neither mineralization led to a complete metastrom, topographical engineer of the U. a general nor an alveolar prognathism. morphosis of the internal structure of the S. Geological Survey, on a scale of 1:5,000. The teeth, so far as they are preserved, compacta, such as is typical of human The site was visited during the first week are those of modern man. after its discovery by Dr. Clarence Ross and Mr. C. Fries of the U. S. Geological istics, the present condition of the facial Survey, Drs. Gordon F. Eckholm of the parts does not permit a definite diagnosis. skeleton proves the Pleistocene age, the American Museum of Natural History, The nasal bones are "pinched," a pecu- anatomical character and the degree of Henry Field, Alfonso Caso, Eduardo No- liarity frequently encountered in certain its mineralization lends strong support guerra, Dr. de la Borbolla, and Ing. R. Mongoloid types (Eskimo). The cheek- to this assumption.

The position of the skeleton suggests Manges Lopez, director of the Instituto bone, on the other hand, is small and

Since the receipt of Dr. de Terra's

the recent human type (Homo sapiens).

note that the writer had previously found any special primitive feature charac- of a generally fine structure. Although stone and bone artifacts at three different teristic of early hominids (the total this suggests female sex, the strongly were found in deposits containing rolled rather noteworthy considering the size of that the individual was a male. todon. Equally interesting is the fact that peculiarities which are more primitive cranial capacity is from 1,350 to 1,450 a small flake of obsidian was found by Ing. than those usually found in modern cc. some 1,000 feet distant from the new site. superstructures are well developed. Both consideration, as far as it is possible to A fragmentary, Folsom-like point was come very close to real torus formations. do so at this moment, it can be stated found on the hillside near by. The arti- The frontal superstructure consists of a that none of them contradicts the possifacts from the Becerra formation include distinct eyebrow ridge on both sides. The bility that the Tepexpan skeleton is that three gravers, a scraper, and a bone point. ridge extends to the glabella region and of an individual who lived at the end of The fossil human remains are now in turns downward to the frontonasal the Pleistocene period. All the skeletons the Museo Nacional de Antropologia, suture, forming a well-marked supranasal of Upper Paleolithic man known from Mexico City. Dr. J. Romero and Miss torus such as occurs in the Australian Europe, Asia, and Africa already show Johanna Faulhaber cleaned the remains bushman of today and in other "primi- the features characteristic of recent of the clay matrix, and Dr. Romero has tive races." The supraorbital ridges proper mankind. In most cases really primitive given me a tentative identification. While show an advanced stage of deterioration, characteristics are completely missing. the facial portion of the skull and the but the original character of the ridge is Wherever features were found recalling lower mandible are broken, complete re- easily recognizable. The occipital bone primitive conditions, they showed a construction appears possible. Besides the exhibits a typical occipital torus which more or less pronounced degree of skull there are the following, partly frag- resembles even the condition found in deterioration, as is the case with the mentary bones: 2 femurs, 2 kneecaps, 2 Neanderthal skulls. Similar primitive Tepexpan man. small rib fragments, 1 atlas and 3 frag- peanum, the mastoid, and the parietal anatomical character of the skeleton, its

2 broken ulnae, 7 wrist bones of both restricted to the brain case. They occur alone. An important criterion in this hands, 5 metacarpals of both hands, and also in the extremity bones in which they respect is the degree of fossilization of appear under the form of pronounced the bones. All the bones of the Tepexpan A preliminary measurement of the skull muscular tuberosities (deltoid tuberosity skeleton are mineralized, but the degree showed it to be of mesocephalic type. It is of the humerus, crista interossea, and of mineralization varies: the lower jaw, peculiarly high but does not bear any crista musculi pronator quadratus of the for example, shows a higher degree than radius).

Regarding special racial character-

neither forward or sideward. The crows of the upper incisors are not preserved; hence, it is impossible to recognize whether or not these teeth were shovel shaped (Mongolian · characteristic).

The brain case has a particular form: the vertex region is pronouncedly domed without showing any indication of rtificial deformation. This shape may The general character of the bones help to determine the special group to which the skull must be attributed.

None of the bones is very robust; Although the skull does not reveal on the contrary, they rather appear to be developed muscular tuberosities prove

The tentative estimation of the

Taking all morphological facts into

Because of the inconclusiveness of the identification as one of Pleistocene age These primitive features are not cannot be based on anatomical evidence the brain case and the remaining facial The facial skeleton does not show any bones. In the extremity bones, the bones from the Middle Pleistocene of China and Java.

If the stratigraphy of the Tepexpan

#### Meetings of Affiliated and **Associated Societies**

The following list of meetings is based on reports submitted to AAAS headquarters by society secretaries:

Section A: Mathematical Association of America, September 1-2, New Haven, Connecticut; Institute of Mathematical Statistics, December 26-31, Chicago, Illinois: American Mathematical Society, December 29-31, University of Georgia, Athens.

Section B: American Association of Physics Teachers, June 18-21, University of Minnesota, Minneapolis, and December 26-31, Chicago; American Society for X-Ray and Electron Diffraction, June 23-25, Montreal, Canada; Society of Rheology, October 30-31, New York City; American Physical Society, December 26-31, Chicago; Sigma Pi Sigma, December 26-31, Chicago.

Section C: American Association of Cereal Chemists, May 19-23, Kansas City, Missouri; American Oil Chemists' Society, May 20-22, New Orleans, Louisiana: American Chemical Society, September 15-19, New York City; American Institute of Chemical Engineers, November 9-11, Detroit, Michigan.

June 16-21, San Diego, California; American Astronomical Society, September, Evanston, Illinois.

Section E: American Society for Professional Geographers, December 27-30, Charlottesville, Virginia; Association of American Geographers, December 29-31, Charlottesville; Geological Society of America, December 29-31, Ottawa, Canada; Paleontological Society, December 28-31, Ottawa; National Council of D. C. Geography Teachers, December 27-29, Charlottesville.

American Societies for Experimental Bi- Chicago; American Philosophical Assoology. May 18-22, Chicago; Western ciation, December 28-31, New York City. Society of Naturalists, June, San Diego; Herpetologists League, June 16-21, San American Michigan: American Society of Naturalists, Ameri- of Electrical Engineers. June 9-13, Xi, December 26-31, Chicago.

can Society of Parasitologists, Ecological Montreal, Canada; American Society of Society Society of America, Genetics Society of cago; Society for the Promotion of Engi-America, Linological Society of America, neering Education, June 19-21, Minne-National Association of Biology Teachers, apolis, Minnesota; American Society of Phi Sigma Society, and Union of Ameri- Agricultural Engineers, June 22-25, Philacan Biological Societies, December 26-31, delphia, Pennsylvania; Illuminating Engi-Chicago; Beta Beta Beta, December 27- neering Society, September 15-19, New 28, Chicago; American Society of Zool- Orleans, Louisiana. ogists, December 29-31, Chicago.

Section G: American Fern Society, American Society of Plant Physiologists, American Society of Plant Taxonomists, Botanical Society of America, Inc., Mycological Society of America, and Sullivant Moss Society, December 26-31, Chicago; American Phytopathological Society, December 28-30, Chicago.

Section H: American Folk-Lore Society, December, Detroit, Michigan; American Anthropological Association, December 27-30, Toronto, Canada; Archaeological Institute of America, December 29-31, New Haven, Connecticut.

Section I: American Psychological Association, September 9-13, Detroit; Society for Research in Child Development, December 27, Chicago.

Section K: Population Association of Section D: The Meteoritical Society, America', May 17-18, Princeton, New Jersey; Econometric Society, September, Washington, D. C., and December 26-31, Chicago; Academy of World Economics, December 26-31, Chicago; American Sociological Society, December 28-30, New York City; American Statistical Association, December 26-31, Chicago; Pi Gamma Mu, December 26-31, Chicago; American Economic Association, December 27-30, Chicago; Metric Association, Inc., December 27, Washington,

Section L: History of Science Society, December, Cleveland, Ohio; Philosophy Sections F and FG: Federation of Science Association, December 26-31,

Section M: American Society of Heat- Problems of Alcohol, May, New York Diego; American Society of Mammalo- ing and Ventilating Engineers, June 1-4, City, and December 26-31, Chicago: gists, August 24-27, Higgins Lake, Coronado, California; American Society American Nature Study Society, Sigma Malacological of Refrigerating Engineers, June 9-11, Los Delta Epsilon Graduate Women's Scien-Union, American Microscopical Society, Angeles, California; American Institute tific Fraternity, and Society of the Sigma

of America, Entomological Mechanical Engineers, June 16-19, Chi-

Section N: Society of American Bacteriologists, May 13-16, Philadelphia; American Society of Experimental Pathology, May 17-22, Chicago: American Physiological Society, May 18-22, Chicago; American Psychiatric Association, May 19-23, New York City; American Medical Association, June 9-13, Atlantic City, New Jersey; American Association of Dental Schools, June 23-25, Chicago: American Association of Colleges of Pharmacy, August, Milwaukee, Wisconsin; American Veterinary Medical Association, August 18-21, Cincinnati, Ohio; American Pharmaceutical Association, August 24, Milwaukee; American Roentgen Ray Society, September 14-19. Atlantic City: American Public Health Association, October 6-10, Atlantic City; American Academy of Ophthalmology and Otolaryngology, October 12-17, Chicago; American Dietetic Association, December 26-31, Chicago.

Section O: Association of Official Seed Analysts, June 2-5, Richmond, Virginia; Agricultural Institute of Canada, June 23-26, Lethbridge, Alberta; American Dairy Science Association, June 24-26, Ontario, Canada; American Society of Animal Production, November 28-29, Chicago; Society of American Foresters, December 18-20, Minneapolis; American Society for Horticultural Science, December 26-31, Chicago; Potato Association of America, December 27-29, Chicago.

Section Q: Pi Lambda Theta, August 10-13, Portland, Oregon; Canadian Teachers' Federation, August 11-15, Halifax, N. S.; National Science Teachers Association, December 26-31, Chicago; Phi Delta Kappa, December 27-31. Kansas City, Missouri.

All Sections: Research Council on