# NEWS and Notes

C. H. Best, University of Toronto. will deliver the annual Phi Beta Pi Lecture at Baylor University College of Medicine, Houston, Texas, on the evening of March 22. Dr. Best will also spend the remainder of that week as visiting professor in the Department of Physiology.

Lenna Cooper, chief, Department of Nutrition, Montefiore Hospital, New York, and formerly the first dietitian of Battle Creek Sanitarium, and food director of the University of Michigan, received the honorary D.Sc. degree from Drexel Institute of Technology, Philadelphia, at the combined Commencement and Founder's Day exercises December 16.

Nathan Anthony Womack, professor of clinical surgery and surgeon to out-patient clinics, Washington University, and associate surgeon. Barnes General, St. Louis Children's, and St. Louis Maternity Hospitals, has been appointed professor and head, Department of Surgery, College of Medicine, University of Iowa. Dr. Womack will assume his new duties about July 1.

Mildred W. S. Schram, secretary (executive officer) of the International Cancer Research Foundation, now the Donner Foundation, since its organization in June 1932, will resign January 17. Dr. Schram's successor has not yet been appointed.

Alfred Golden, formerly director of Laboratories, Baptise Memorial Hospital, Memphis, Tennessee, became associate professor of pathology, Institute of Pathology, University of Tennessee, Memphis, on November 15.

Charles H. Carpenter, chief, Division of Photography, Chicago Natural History Museum, for 48 years, retired December 31.

partment of Chemical and Metallur- paign against brucellosis, recently McGill University; Frank Herbert

gical Engineering, and Jesse Or- visited this country and lectured on mondroyd, of the Department of brucellosis in Dallas, Texas, Norman, Engineering Mechanics, have been Oklahoma, and Minneapolis, Minnecoordinator of basic research in the Washington, D. C., November 24 and University Department of Engineer- 25, 1947. ing Research.

Anders Kvale, chairman of the Department of Geology at the Bergens Museum, Bergen, Norway, from 1939 to 1942, has been appointed visiting associate professor of geology at the University of California, Los Angeles. Dr. Kvale's work has been principally concerned with structural geology and petrology applied to the metamorphic and igneous rocks of Norway.

Richard Brauer, who has been on the faculty of the University of Toronto since 1935, has been appointed professor of mathematics at the University of Michigan. Dr. Brauer is editor of the American Journal of Mathematics, associate is to receive the 1948 Industrial editor of Transactions of the American Mathematical Society, member of for outstanding contributions to the the editorial board of Mathematical field of industrial research. The medal Expositions, and colloquium lecturer will be presented February 5 during of the American Mathematics Society the winter meeting of the Institute for 1948.

Philip C. Jessup, of Columbia University, Edgar Erskine Hume. of the Army Medical Service, and Wendell Stanley, Rockefeller Institute for Medical Research, received the degree of Doctor Honoris Causa at the inaugural meeting of the University of Paris at the Sorbonne amphitheater on December 6.

### Visitors to U.S.

Augustin Venzano, of the Exact Science Faculty, Buenos Aires, Argen- Fellowships tina. who has been visiting this country for a year as a Seagram International Fellow, will return to Argentina as head of the E. R. Squibb Company penicillin plant there, after further training at the Squibb plant at New Brunswick, New Jersey.

G. G. Brown, chairman of the De- who has charge of the Mexican cam lems in the Department of Physiology,

granted leaves of absence from the sota. He also participated in the University of Michigan for one year, conference of the Committee on Public beginning February 1. During this Health Aspects of Brucellosis of the time Dr. Ormondroyd will serve as National Research Council, held in

### Awards

Theodore von Karman. director. Guggenheim Laboratory of Aeronautics, California Institute of Technology, has been named to receive the John Fritz Medal for 1947, highest engineering honor awarded in this country. Dr. von Karman, a native of Hungary and former director of the Aeronautical Institute at the University of Aachen, has been at Cal-Tech since 1928, and during and since the war has served as consultant on aeronautics to the War Department.

Games Slayter, vice-president in charge of research and development, **Owens-Corning Fiberglas Corporation.** Research Institute medal presented at Rye, New York. The Institute, which includes 93 companies representing various types of industry in this country, cited the recipient for his leadership in developing glass fibers and applying them commercially.

Gioacchino Failla, of the Columbia University College of Physicians and Surgeons, was a recipient of the gold medal of the Radiological Society of North America at the Society's dinner meeting in Boston on December 4.

The American College of Physicians has awarded Research Fellowships in Medicine for the year beginning July 1948 to the following: Charles Gordon Campbell, fellow in cardiology, Vancouver General Hospital, who will study the basic physi-M. Ruiz Castaneda, Mexico, D. F., ology of certain cardiovascular probCity Hospital, who will study the last summer, is designed to acquaint to Frank Edmondston, head of the mechanism and clinical application of teachers with the recent developments Department of Astronomy, who exthe osmotic fragility test in the and research in the field of physics. plained that it would have required Memorial Laboratory; Thorndike Samuel P. Martin, resident in medicine, Duke University Hospital, who will study bacterial metabolism in the Rockefeller Institute for Medical Research; Peritz Scheinberg, assistant resident in medicine. Duke University Hospital, who will investigate cerebral Physics; Russell C. Putnam, Depart- plate-measuring machine, which meascirculation and peripheral vascular flow in normal and hypertensive persons there; Lutfu Lahut Uzman. assistant, McLean Hospital, Waverley, Massachusetts, will study the isolation be given by the scientific staff of the new fields of planet study at Indiana; and characterization of brain proteins General Electric Company. and their role in health, disease, and senescence in the Department of Scientific Research at McLean Hospital; and John Martin Weller, medical resident, Veterans Administration Hospital, Hines, Illinois, who will study ionic patterns of the intracellular fluids and their influence on enzymatic reactions and of acid-base balance in tissues other than skeletal muscle tissues at the Department of Biologic Chemistry, Harvard Medical School.

Applications for the Atkins Research Fellowship in Tropical Agriculture must be filed by March 1, 1948. Established at Harvard University to stimulate interest in tropical agriculture, this research fellowship, carrying a stipend of \$1,500, will enable the fellow to matriculate in the Graduate School of Arts and Sciences, spending a limited amount of time in graduate study at Cambridge and the remainder at the Atkins Garden and Research Laboratory at (Soledad) Cienfuegos, Cuba. for intensive work on a special problem. Details and forms may be obtained from the Chairman of the Committee on Graduate Scholarships, 24 Quincy Street, Cambridge 38, Massachusetts.

Case Institute of Technology again offers 50 General Electric Fellowships for high school and prepara-Ohio, Michigan, western Pennsylvania, West Virginia, Kentucky, Indiana, Illinois, and Wisconsin, for a summer of 1948.

SCIENCE, January 16, 1948

Gardner, fellow in medicine, Boston repetition of the successful one held and expense for Indiana, according The Fellowships include all tuition a year to obtain such a camera, which fees, room and board, and travel ex- normally costs about \$6,000. penses. Courses in the program will University of Minnesota Department be under the supervision of Elmer of Astronomy has also loaned Indiana Hutchisson, dean of the Graduate Divi- a "Blink" comparator, which aids in sion, and will be conducted by Robert finding moving objects in the sky. S. Shankland, head, Department of In addition, Indiana has purchased a ment of Electrical Engineering; and ures the movements of bodies in space, Leonard E. Olsen and Earle C. Gregg, with a \$7,500 grant from the Research Department of Physics. Supplemen- Corporation of New York. The three tal lectures and demonstrations will new pieces of equipment will open up

### Colleges and Universities

neering is being established in the College of Engineering of Ohio State University. The Department, the first of its kind in the United States, will offer undergraduate work leading to Industrial Laboratories the degree of Bachelor of Welding Engineering and advanced study for engineers. Curricula will be developed to meet industry's demands for welding engineers.

College in which all natural and bio- joined the Organic Department and logical sciences will be integrated has the Organic Production Research been made possible by gifts to the Department, respectively; Paul A. College. Construction, total cost of Tuerck, a graduate of the Cincinnati which has been estimated to be \$500,- College of Pharmacy, has joined the 000, will begin this spring. Accord- Analytical Department; and F. Joseph ing to President Stevens, the new Murray, who a short time ago received laboratories will provide facilities his Ph.D. from Purdue University, is through which Iowa industries may now working in the Bacteriology Debe served along chemical and phys- partment. ical lines.

servatory has loaned a 10-inch triple- has joined Endo Products, Inc., as lens Cooke camera to Indiana Uni- head of production control. versity, Bloomington, as part of a nation-wide program of research on minor planets in which 18 major phia, Pennsylvania, has appointed C. astronomical observatories are cooper- Paul Hegarty, research associate, Deating. The program is being sponsored by the American section of the of antibiotic research, and L. D. tory school teachers of physics from International Astronomical Union, Wright, research associate, Departunder the chairmanship of Paul Her- ment of Pharmacology, as director of get, director of the Cincinnati Obser- nutritional research. The newly crevatory, who now publishes the Union's ated Antibiotic Department repre-6-week program of study during the Minor Planet Circulars. The loan of sents an expansion in the Company's The program, a the Cooke camera will save much time research program.

The the larger photos can be examined on the "Blink" comparator and checked for movement by submitting a series of photos to the plate-measuring A Department of Welding Engi- machine. Principal objective of the cooperative study is to locate objects which have strayed widely from their predicted positions.

The Wm. S. Merrell Company has recently made several additions to the staff of its Research Laboratories. Virgil W. Gash and Henry E. Fritz. who recently obtained the M.S. degree A new science building at Grinnell from the University of Illinois, have

Ray Kupke, formerly associated The University of Cincinnati Ob- with Ayerst, McKenna, and Harrison,

> Sharp & Dohme. Inc., Philadelpartment of Bacteriology, as director

tive Committee.

### Meetings

A conference on "Current Trends S. Bruner, J. L. Moreno, Robert K. Merton, Paul F. Lazarsfeld, and James G. Miller. The conference is open to psychologists, graduate students of psychology, and members of related fields. Tickts of admission may be obtained without charge from the Department of Psychology, University of Pittsburgh, Pittsburgh, Pennsylvania.

The International Geological Congress announces that its 18th Session will be held August 25 through September 1, 1948, in Great Britain with principal meetings in the Royal Albert Hall and the lecture theatres of the Royal Geographical Society and the Imperial College of Science and Technology. The Rt. Honorable Sir John Anderson has accepted the office of honorary president of the General Organizing Committee. Prof. H. H. Read, president of the Geological So-General Organizing Committee and Pierre Auger. The Polish Government president-designate of the Congress.

Total attendance at the Congress is expected to reach 2,000, 28 governments and about 160 universities and scientific institutions already having accepted invitations to be represented by official delegates. Among the subjects to be discussed are: problems of geochemistry; metasomatic processes in metamorphism; rhythm in sedimentation; geological results of applied

J. W. McCoy, vice-president and Pleistocene boundary; faunal and limited in time in order to permit full member of the Executive Committee, floral facies and zonal correlation; exchange of ideas and information. E. I. du Pont de Nemours and Com- correlation of continental vertebratepany, retired January 1 but will con- bearing rocks; earth movements and special sessions of the Cosmic Ray tinue to serve as a director. At the organic evolution; and other subjects. Commission of the International Union same time, William H. Ward, general Problems of African geology will be of Physics were held to discuss special manager of the company's Explosives considered at open meetings of the As- problems of interest in the field of Department, was made a director, vice- sociation des Services Geologiques cosmic radiation. president, and member of the Execu- Africains, and selected paleontological topics will be discussed by the Inter- One looked toward a conference of the national Paleontological Union. A Commission to be held in Europe in the series of meetings on mineralogy and period July 1 to September 1, 1949. A geology of clays will be organized in second, given in full below, dealt with conjunction with the Clay Minerals names for the elementary particles. Group of the Mineralogical Society. A third authorized the preparation and in Social Psychology" will be held Sir Edward Bailey and Prof. O. T. publication of a small pamphlet to list March 4-5 at the University of Pitts- Jones will deliver special addresses to men and laboratories all over the world burgh. The speakers will include the General Assembly of the Congress concerned with problems of cosmic ray Ronald Lippitt, K. T. Behanan, Jerome on the subject of the structural history physics. It was arranged that any of Britain.

> sions are to be arranged between in Paris. August 7 and September 18 as part of the Congress program, in addition the Conference were the new discoveries to shorter excursions and visits to of Dr. Powell, of Bristol, of two types scientific institutions between August of mesons; the theoretical interpreta-22 and September 3.

> dressed to the General Secretaries, 18th tensive atmospheric showers (Auger Session International Geologic Con- showers), the penetrating showers, and gress, Geological Survey and Museum, the nature of cosmic ray particles. Exhibition Road, London, S.W. 7, England.

## The Cracow Cosmic Ray Conference

held October 6 to 11, 1947, in Cracow, ticles. Poland. The Conference was the first called since the war by the Cosmic Ray desirable to make an official recom-Commission of the International Union mendation on name in any particular ciety of London, has succeeded the late of Physics, the president of which is case until widespread usage justifies Sir Thomas Holland as president of the Prof. Clay and the secretary, Prof. such a recommendation. and the University of Cracow acted found quite general recognition as a as hosts. A grant from UNESCO en- common term to denote both neutrons abled a number of physicists from and protons. distant locations to participate.

> sity of Cracow, headed by Prof. Weys- for this purpose. senhoff, provided all facilities for the meetings and for visits to the labora- of mass intermediate between the mass tory and were most helpful in all con- of an electron and the mass of a pronections.

geophysics; geology of petroleum; ing the 9 sessions, one of which was Eire, England, Holland, Italy, Norway, geology, paragenesis, and reserves of held 100 meters underground, at the Sweden, Switzerland, and the USSR; the ores of lead and zinc; geology of salt mines of Wieliczka. The discus- (b) are called mesotrons and mesons sea and ocean floors; the Pliocene sions following each session were not by comparable numbers of investiga-

Besides the general conference, two

Several resolutions were passed. suggestions made in this latter con-A series of 37 long geological excur- nection should be sent to Prof. Auger

Among the subjects discussed during tion of experiments on cosmic rays by All communications should be ad- Dr. Heitler and Dr. Wheeler; the ex-

> Resolution on names for the elementary particles. The Cosmic Ray Commission of the International Union of Physics, in its meeting at Cracow (October 9, 1947):

(1) Recognizes the convenience of A conference on cosmic rays was uniform names for the elementary par-

(2) Recognizes that it may be un-

(3) Notes that the term nucleon has

(4) Recommends, therefore, that the The local committee of the Univer- term nucleon receive official recognition

(5) Reports that charged particles ton (a) are generally called mesons in More than 15 papers were read dur- Argentina, Brazil, Denmark, Mexico, but more often mesons.

nimity of usage, but

unanimous desire of its members to zoniew; T. Morstin, Krakow; M. Mosemploy the term meson in the report cicki, Poznan; L. Natanson, Warsference.

tronic mass.

(9) Looks with favor upon the terms positon and negaton as means to Skorko and M. Skorko, Lodz; A. Soldistinguish between the two signs of tan and L. Sosnowski, Warszawa; D. charge.

to the editors of Nature, The Physical Review, Le Journal de Physique, and to the Secretary of the Academy of Sciences of the USSR.

John A. Wheeler, Department of Physics, Princeton University, who kindly prepared the above report, was Elections the only American scientist to attend the Conference. In the event that our readers may wish to contact others in attendance, their names are listed below:

A. Arley, Copenhagen; P. Auger, Paris; J. Barnothy, Budapest; G. Bernardini, Rome; P. Blackett, Manchester; J. Clay, Amsterdam; A. Duperier, London; P. Cosyns, Brussels; P. Fleury, Paris; A. Freon, Paris; M. Forro, Budapest; B. Gross, Rio de Janeiro; W. Heitler, Dublin; L. Janko, Praha-Pankro; L. Janossy, Dublin; V. Kunzl, Bratislava; Prof. Leprince-Ringuet, Paris; R. Maze, Paris; J. A. Montgomery, Manchester; V. Petrzilka, Praha II; C. F. Powell, Bristol; J. Slavik, Praha II; V. Trkal, Praha II; E. Zacek, Praha II; J. Adamozewski, Gdansk; J. Blaton and O. Blaton, Krakow; I. Bobr and B. Buras, Warszawa; Inz. Burzynski, Gdansk; E. Omochowski, Lodz; Inz. S. Fabiani, A. Garnysz, J. Gierula, and J. Gorski, Krakow; J. Grycza, Poznan; Prof. Gunther, Warszawa; A. Hrynkiewica, Krakow; Prof. Ingarden, Wroclaw;

in France sometimes called mesotons, Krakow; T. Kopcewicz, Warszawa; M. chairman and a member of the Execu-Kunisz, Krakow; S. Loria, Wroclaw; tive Committee. W. James Lyons, (6) Recommends no official action S. Majewski and Dr. Majewska, Wars- Firestone Tire and Rubber Company, on name for the particle of inter- zawa; B. Makiej, Krakow; T. Malar- was re-elected to the Executive Commediate mass until there is greater una- ski, Gliwice; M. Massalski, M. Massal- mittee, in addition to serving as diska, and M. Miesowicz, Krakow; St. vision secretary. R. S. Spencer was (7) Proposes in accordance with the Morkowski and K. Morkowska, Dzier- elected treasurer. of the proceedings of the Cracow Con- zawa; H. Niewodniczanski, Krakow; W. Nikliborc, Wroclaw; C. Pawlowski, (8) Recognizes the general use of Warszawa; T. Piech, Krakow; A. Piethe term electron to denote both posi- kara, Gdansk; J. Pniewski, Warszawa; tive and negative particles of elec- M. Puchalik, Gliwice; J. Rayski, J. Rolinski, W. Rubinowica, Prof. Rzewuski, and T. Skalienski, Warszawa; E. Stachurska, Lublin; Prof. Szpilecki, (10) Asks the Secretary of this Con-Gliwice; W. Scislowski, Warszawa; B. ference to communicate this resolution Sredniawa, Krakow; B. Twarowska, Warszawa; W. Turczynski, Toru; W. Urbanski, Lublin; M. Wertenstein, Warszawa; J. Wesolowski, C. Wesolowska, J. Weyssenhoff, and K. Zakrzewski. Krakow.

The Mathematical Association of America, at its annual meeting on January 1 at the University of Georgia, Athens, Georgia, elected Saunders MacLane, University of Chicago, first vice-president. W. L. Ayres, Purdue University, and C. R. Adams, Brown University, were elected to the Board of Governors for three-year terms. L. R. Ford, Illinois Institute of Technology, continues as president for another year. H. M. Gehman, University of Buffalo, began his five-year term as secretary-treasurer at this meeting.

The Chauvenet Prize of the Association has been awarded to Paul R. Halmos, of the Institute for Advanced Study, for his paper on "The Foundations of Probability," published in the NRC News American Mathematical Monthly for November 1944. The Chauvenet Prize of \$50 is awarded every three years for a "noteworthy, expository paper published in English by a member of the Association."

Division of High-Polymer Physics Division of Medical Sciences, National A. Joblonski, Torun; A. Jagielski, J. announces the election of Hubert M. Research Council, 2101 Constitution Janik, and L. Jurkiewicz, Krakow; E. James as chairman for 1948, with Avenue, Washington 25, D. C. In

tors in the United States; and (c) are Swider; J. Kalisz and M. Kogut, and Rubber Company, serving as vice-

The Northwest Scientific Association has elected Otis W. Freeman, head of the Division of Physical Sciences, Eastern Washington State College of Education, as president for 1948. Robert F. E. Stier, of Spokane, will serve as vice-president, and L. C. Cady, executive secretary of the University of Idaho Research Council, as secretary-treasurer. H. Walter Steffens, head of the Division of Biological Sciences, University of Idaho, was added to the Council and made program chairman. Three-year trustees are H. T. Gisborne, head of the Forest Service Protective Division; E. E. Hubert, chief pathologist for I. F. Laucks Inc., Spokane; and H. B. Hansen, Department of Botany, Oregon State College. W. R. Hatch will continue as editor of Northwest Science. and henceforth the journal will be published by the Washington State College press.

The next annual meeting of the Association will be held the week following Christmas 1948.

Linus C. Pauling, chairman, Division of Chemistry and Chemical Engineering, California Institute of Technology, has been elected president of the American Chemical Society for 1949. Dr. Pauling will succeed Charles A. Thomas, executive vicepresident and technical director, Monsanto Chemical Company, St. Louis, president of the Society for 1948.

The Committee on Research in Endocrinology has announced that requests for grants-in-aid during the fiscal period July 1, 1948-June 30, 1949, will be received until February 29. Application blanks may be ob-The American Physical Society's tained by addressing the Secretary, Juszkiewica, Gdansk; E. Kalinowska, Richard B. Stambaugh, Goodyear Tire addition to a statement of the problem and research plan, the Commit- had been a member of the Kansas tion and will be completed before the tee would like information regarding faculty since 1911. the proposed method of attack, the institutional support of the investigation, and the uses to be made of the sum requested. No part of any grant may be used by the recipient institution for administrative expenses. Although the Committee makes grants in aid of research in the general field of experimental and clinical endocrinology, applications for support of research in the problems of sex in the narrower sense cannot be given favorable consideration, and investigators seeking support in this field should direct their proposals to the Committee for Research in Problems of Sex of the National Research Council. The Committee on Research in Endocrinology will, however, continue to give consideration to the support of studies of the effect of sex hormones on nonsexual functions, such as on general metabolism and on the metabolism of steroid hormones.

#### Deaths

Leonard C. Miller, 33, senior physicist, Clinton National Laboratory, died December 22 as a result of injuries received in an automobile accident on December 19 in Washington, D. C., where he had attended a meeting of the Subcommittee on Beta and Gamma Ray Measurements of the Committee on Nuclear Science, National Research Council.

Stroud Jordan, 62, industrial chemist in charge of the Manufacturers' Service Division, American Sugar Refining Company, died December 28 at his home in Miami.

Alfred North Whitehead, 86, professor of philosophy emeritus, Harvard University, died December 30 of a cerebral hemorrhage at his home in Cambridge, Massachusetts.

James W. Goldthwait, 67, Hall professor of geology, Dartmouth College, and a member of its faculty for 39 years, died of a heart attack January 2, at his home in Hanover, New Hampshire.

Frank Burnett Dains, 78, professor emeritus of chemistry, University of Kansas; died January 5. Dr. Dains 15 knots, is already under construc- Philadelphia, Pennsylvania.

Harry B. Riffenburgh, 56, associate professor of chemistry, Virginia Polytechnic Institute. died January 5. after 19 years of service on that faculty.

F. Petrak, librarian of the Botanische Abteilung of the Naturhistorisches Museum in Vienna, reports in a recent letter to Lawrence S. Thompson, Western Michigan College, that all the Museum's books and specimens had been returned from evacuation points by early in the fall of 1946 and that the work of the Museum has been going forward, even though under great difficulties, since that date. The greatest loss was suffered when a part of the herbarium was burned at an evacuation point toward the end of May 1945. Some 2,000 fascicles of the collection were lost, and it now lacks all families in the system up to the Lauraceae, with the exception of grasses and orchids.

Dr. Petrak reports that the greatest hindrance to effective work at present is the absence of scientific journals published outside the Nazi-dominated countries during the war. The museum building suffered 20 direct hits during the bombardment of Vienna, but relatively little damage was sustained, and that has been repaired. The severest physical hindrance to work is the absence of fuel with which to heat the building.

During the war, 5 volumes of the Annales Mycologici appeared. Since the editor, H. Sydow, died on June 6, 1946, the Annales will be continued by a new periodical, Sydowia, named in his honor, which will be under the editorship of Dr. Petrak.

The Marine Biological Laboratory, Woods Hole, Massachusetts, has successfully completed a drive to obtain \$10,000 for a new collecting boat. The drive started last spring, and a large proportion of the total amount received was given by workers at the Laboratory and by members of the Corporation of the Laboratory. Tn all, there were 220 contributors.

summer season begins. In the meantime, one old collecting boat has been retired after many years of hard service. The fleet is therefore no larger than before. But the needs of the Laboratory for living material continues to grow. For that reason still another boat must presently be secured.

The California State Department of Agriculture, Bureau of Plant Pathology, has several permanent positions open for assistant plant pathologists in the Los Angeles area, with an entrance salary of \$281 per month. Applicants must be college graduates whose major study was plant pathology, with two years of plant inspection and plant disease control work. Additional qualifying experience may be substituted for education on a year-for-year basis. Duties to be performed include surveys and inspections of agricultural crops, nursery plants, natural vegetation, and forest trees for plant diseases; the planning and organization of plant disease surveys; the diagnosis of plant diseases in the field: direction of crews of men in survey and eradication work; and the compilation of records and direction of compilation of records. Those interested should contact Charles P. Cusick, Personnel Officer, Department of Agriculture, Room 501, State Office Building #1, Sacramento, California.

#### Make Plans for-

American Institute of Electrical Engineers, Winter General Meeting, January 26-30, Pittsburgh, Pennsylvania.

American Society for Horticultural Science, January 26-31, Palmer House, Chicago, Illinois.

American Council of Learned Societies, January 29-30, Westchester Country Club, Rye, New York.

American Society of Heating and Ventilating Engineers, February 2-5, New York City.

American Philosophical Society, The new boat, capable of making February 13-14, 104 South 5th Street.