Scientific Meetings

American Psychological Association

The 63rd annual convention of the American Psychological Association was held 1–7 Sept. in San Francisco, Calif. Some 4000 psychologists and representatives from allied scientific and professional groups participated in the activities, which included research reports, symposia, invited addresses, film showings, exhibits of new laboratory equipment, and business meetings.

The program of approximately 300 scheduled sessions was organized by committees from each of the 17 divisions of the association. The largest portion (about 15 percent) dealt with topics of primary concern to clinical psychology, such as the role of the psychologist in mental health programs and psychological factors in various disease entities. Papers and discussions relating to psychometrics, to psychology as applied in business and industry, to experimental and social psychology, and to problems of teaching psychology accounted in about equal shares for another 50 percent of the program. The remainder was devoted in smaller portions to a variety of subjects that covered general psychology, counseling and guidance, educational psychology, military psychology, psychology in the public service, esthetics, and the psychology of maturity and old age. In general it can be said that the program reflected the increasing heterogeneity of American psychology, and nonpsychologists could, by scanning the program, obtain a good impression of the burgeoning nature of the field at this point in its course of development.

In a featured symposium aimed at reviewing recent progress and predicting "probable break-throughs" in the scientific aspects of psychology, Harry F. Harlow (University of Wisconsin) felt that the future in physiological and comparative psychology would probably see major developments in research on functions of cortical and subcortical areas as they relate to behavior, in the "psychochemistry" of brain and bodily functions, and in a revival of research on the effects of early development on later behavior. Arthur W. Melton (Lackland Air Force Base) was of the opinion that experimental psychology is generally coming of age in terms of the conception and execution of systematic basic research and that, with the future use of primates and children as the preferred subjects in research, there should be progress in relating developmental psychology and learning theory. Leon Festinger (Stanford University), speaking for social psychology, expressed concern over the uncritical adoption by social psychologists of game theory and communication models in their search for a theory of social behavior. Festinger hoped that future social psychological research would involve inquiries into problems that are both social and psychological in nature, rather than merely convenient for study. Donald G. Marquis (University of Michigan) rounded out the discussion by pointing up the importance of mental health problems and the possibilities that exist for psychology to make some contribution to their solution. It was Marquis' hope that the near future would see a furtherance of our understanding of mental illness through the technique of interdisciplinary research.

The continued interest of psychologists in research on the intellectually gifted was reflected in a symposium on "The gifted child." Lewis M. Terman (emeritus, Stanford University) reinforced, with further data from his 34-year follow-up study of "genius," evidence that children of high intelligence levels do not, in keeping with popular notions, develop into adults with low physical vitality and meager incomes. As adults, Terman's subjects were reported as standing far above average in physical and mental health, in occupational status, in intellectual achievements, and in income level. In other papers in this symposium, Harrison Gough (University of California, Berkeley) and T. E. Newland (University of Illinois) discussed factors relating to achievement among the intellectually gifted and the problem of meeting the needs of gifted children.

During the past few years psychologists have been very interested in "problem solving" and "reasoning ability"; a variety of research on these topics was in evidence. A series of papers, sponsored jointly with the Psychometric Society, reported work on factor analyses of reasoning ability and creativity (J. P. Guilford, P. R. Christensen, and N. W. Kettner; University of Southern California) and on the identification of factors that function in reasoning-type situations (J. Caffrey and T. W. Smith; Los Angeles County Schools). Examples of experimental papers included a report on the development of suitable criteria for use in research on problem-solving behavior (G. L. Bryan, N. A. Bond, and H. R. LaPorte; University of Southern California) and a new technique for studying problem-solving behavior in nonlaboratory settings (H. J. A. Rimoldi, University of Chicago).

Of general interest was a review by Ralph W. Tyler, director of the Center for Advanced Study in the Behavioral Sciences, of the first year's operation of the center. Thirty-five leading social scientists, including psychologists, political scientists, anthropologists, economists, sociologists, and mathematicians have just concluded a year together at the center (located near Stanford University), discussing mutual problems, reporting research results, and generally exchanging ideas on their respective approaches to social science problems. In Tyler's view, the net effect of the year of study and association will show up during the next few years, and the future writings and research of the group will be studied to determine what they learned from the experience and how they put it to use in their later scientific careers.

A new feature of this year's convention was a day midway in the week of meetings designated as "APA Day." It was a planned attempt to bring together, through a series of sessions having a high degree of common interest, the largest possible segment of the association's heterogeneous membership. The program of the day included three morning symposia: the break-through meeting discussed in a previous paragraph and two others on "Emotional factors in learning" and "Psychologists in the public service." The afternoon program was highlighted by an invited address by J. Robert Oppenheimer, who discussed the role of analogy in the development of science. A box supper followed late afternoon reports to the group by the association's secretary, treasurer, and executive secretary. The evening's events included an address on "Consistency of the adult personality over twenty years" by E. Lowell Kelly (University of Michigan), the retiring president, the induction of Theodore M. Newcomb (University of Michigan) as president for the current year, and a reception for APA members.

Among the announcements of general interest was that of the election of Lee J. Cronbach (University of Illinois) as president-elect of the APA; another was that of the launching, in January 1956, of a new journal to be known as *Con-*

temporary Psychology—a Journal of Reviews (edited by E. G. Boring of Harvard University). It was also announced that, in the interest of furthering psychology as science, the APA will sponsor annually three APA Distinguished Science Awards of $1000 each for outstanding theoretical and empirical contributions within the field.

JOHN T. WILSON
National Science Foundation, Washington, D.C.

Alaskan Science Conference

The final registration figure for the sixth Alaskan Science Conference, held 1–4 June at the University of Alaska, was 245 and included scientists from continental United States, Alaska, and Canada. The Alaskan Division of the American Association for the Advancement of Science sponsored the conference. President of the organization at the time was Neil W. Hosley (University of Alaska). The Arctic Branch of the AAAS, under the direction of its president, Earl H. Beistline (School of Mines, University of Alaska), was host.

The Cook Inlet Branch, headed by Raymond J. Hock, and the Southeastern Alaska Branch participated in the conference. The president of the latter organization at the time was Amos J. Alter of Juneau. George W. Beadle (president, AAAS; California Institute of Technology) also attended.

Hosley almost set the theme for the conference in his welcoming address when he spoke on "Alaska's natural resources and her future." The papers presented showed that a preponderance of the research dealt with arctic and subarctic subjects.

Six fields were represented. Arthur W. Greeley (U.S. Forest Service, Juneau) headed the agriculture and forestry section. William O. Pruitt, Jr. (Arctic Aeromedical Laboratory, Ladd Air Force Base), headed the biological sciences section. A. F. Ghiglione (Alaska commissioner of roads) was in charge of the engineering section. Earl Maxwell (Elmendorf Air Force Base) was chairman of the medicine and public health program. Margaret Lantis (Arctic Health Research Laboratory, Anchorage) was chairman of the social sciences section. Charles T. Genaux (University of Alaska) headed the physical science section.

Those who attended the conference viewed many displays set up around the campus. One of the larger exhibits showed Pleistocene fossils collected by Otto William Geist (University of Alaska). Included in the display were hair and hide of mammoths. C. T. Elvey, director of the Geophysical Institute, opened its doors to visitors and explained the various equipment used for important arctic and subarctic research.

One of the lectures that attracted many nonscientists, as well as scientists, was delivered by Sydney Chapman who spoke on the International Geophysical Year (IGY) 1957–58. He is chairman of IGY and is visiting professor at the University of Alaska. Other papers of wide interest included those by H. Wexler, Albert Schatz, Walter A. Wood, and A. W. F. Banfield.

One of the social highlights of the conference was a public tea at the home of the university's president, Ernest N. Patty. He also welcomed the scientists immediately after registration.

The hundreds of persons who attended the barbecue at the Tanana Valley Fairgrounds were served bison, caribou, and moose. The speaker was Hubert Wilkins.

CHARLES J. KEIM
University of Alaska, College

Meeting Notes

■ The 1955 Thanksgiving meeting of the American Physical Society will be held in Chicago, Ill., 25–26 Nov. The host institution will be the University of Chicago. The headquarters of the meeting will be in room 480 of the Research Institutes Building, 5630 Ellis Ave. The scientific sessions will be distributed in various buildings on the campus.

Invited papers will be given by L. W. Alvarez, S. Chandrasekhar, G. Dresselhaus, E. W. Friesen, G. Goldhaber, F. Low, D. E. Nagle, R. G. Newton, D. C. Peaslee, F. Rohrlich, C. C. J. Roothaan, M. Ross, J. A. Simpson, R. M. Steffen, and L. C. Teng. Other than the three from the University of California, Berkeley, they are drawn from Illinois and contiguous states. Those of Chandrasekhar and Simpson will embody the observations and conclusions of the authors from the international Congress on Cosmic Rays recently held in Mexico; those of Alvarez and Nagle will pertain to observations made with the bubble chamber. Approximately 183 contributed papers are distributed among 18 sessions.

■ The American Institute of Chemical Engineers has announced the program for its annual meeting to be held at the Hotel Statler in Detroit, Mich., 27–30 Nov. Walter G. Whitman of Massachusetts Institute of Technology, who was conference secretary-general of the recent Geneva nuclear energy conference, will address the awards banquet on 29 Nov.

The meeting will open with a symposium on nuclear engineering education. One of the major problems in the development of industrial uses for the atom is the selection and training of engineers. R. P. Genereaux of the Du

Pont Company will moderate the panel of educators, which will include Alexander Sesonske, Purdue University; Charles F. Bonilla, Columbia University; J. O. Maloney, University of Kansas; Robert M. Boarts, University of Tennessee; Joseph J. Martin, University of Michigan; and O. E. Dwyer, Brookhaven National Laboratory.

Other symposia scheduled are as follows: "Evaporators"; "Standardization of centrifugal chemical pumps"; "The technical society—its place and worth in industry"; "Liquid metals in the chemical industry"; "Biochemical engineering"; and "Mechanics of bubbles and drops." In concurrent sessions a wide variety of general technical papers will be presented ranging from kinetic studies to consideration of distillation and extraction problems.

■ A conference on the Microneurophysiology of the Synapse was held at the University of Washington School of Medicine (Seattle), 20–23 Oct. under the joint sponsorship of the university's department of physiology and biophysics, the National Science Foundation, and the State of Washington Fund for Biology and Medicine. The theme of the meeting was the problems of synaptic transmission in the spinal cord and higher centers as studied with intracellular ultramicroelectrode, extracellular electrode, and histological techniques.

The speakers and their topics follow: S. W. Kuffler, "Excitation and inhibition in single nerve cells"; J. C. Eccles, "The ionic movements across the motorneuron membrane and the generation of the inhibitory and excitatory postsynaptic potentials"; Karl Frank, "Analysis of potentials recorded from elements in the spinal cord with micropipettes"; D. P. C. Lloyd, "Steady state of response of motorneurons to afferent volleys in repetitive series"; M. G. F. Fuortes, "Rhythmical reflex firing of motorneurons"; and V. E. Amassian, USAF, "Transmission across sensory synapses."

■ The sixth Thomas Alva Edison Foundation Institute will take place in West Orange, N.J., on 21–22 Nov. It is designed to acquaint its members and the general public with the latest information on the scientific and engineering manpower shortage. The institute members are drawn from education, business and government. The conference theme is "The growing shortage of scientists and engineers."

■ At the invitation of the American Anthropological Association and the University Museum of the University of Pennsylvania, the fifth International Congress of Anthropological and Ethnological Sciences will be held in Philadelphia, Pa., 1–9 Sept. 1956. Abstracts should be submitted *by 1 Mar. 1956.* No papers longer than 20 minutes will be accepted for publication; publication cannot be guaranteed.

Rooms in university buildings will be available to members at $2.50 per night. The registration fee is $10; relatives of members may become associate members, the fee being $3.

Inquiries should be addressed to the Secretary, American Organizing Committee, International Congress of Anthropology, National Academy of Sciences–National Research Council, 2101 Constitution Ave., Washington 25, D.C.

Society Elections

■ United Engineering Trustees, Inc.: pres., Walter J. Barrett; sec. and general manager, John H. R. Arms, UET, 29 W. 39 St., New York 18; treas., Joseph L. Kopf; asst. treas., George W. Burpee. The vice presidents are Willis F. Thompson and A. B. Kinzel.

■ Hawaiian Academy of Science: pres., Willis A. Gortner, Pineapple Research Institute, Honolulu; pres.-elect, Albert J. Mangelsdorf, Experiment Station, H.S.P.A., Honolulu; sec., Doak C. Cox, Experiment Station, H.S.P.A., Honolulu; treas., Beatrice Krauss, Pineapple Research Institute, Honolulu. Representative to the AAAS Council is Leroy D. Christenson, University of Hawaii.

■ AAAS, Alaska Division: pres., Troy Pewe; v. pres., Charles W. Wilson; sec., Howard Baltzo; treas., Arthur Buswell. Representative to the AAAS Council is Earl H. Beistline.

■ American Academy for Cerebral Palsy: pres., Margaret Jones, University of California Medical Center, Los Angeles; pres.-elect, Nicholson J. Eastman, Johns Hopkins Hospital; sec.-treas., Robert A. Knight, 869 Madison Ave., Memphis 3, Tenn.

Forthcoming Events

December

14. **Operations Research Symposium, Philadelphia, Pa. (R. V. D. Campbell, Operations Research Symposium Registration, Burroughs Research Center, Paoli, Pa.)**

15–17. **Acoustical Soc. of America, Providence, R.I. (W. Waterfall, ASA, 57 E. 55 St., New York 22.)**

15–17. **International Union of Scientific Radio, U.S. national, Gainesville, Fla. (J. P. Hagen, Code 7100, URSI, Naval Research Lab., Washington 25.)**

16–21. **Interamerican Cong. of Psychology, 3rd, Austin, Tex. (W. Holtzman, Univ. of Texas, Austin.)**

26–29. **Biometric Soc., Eastern N Amer-**

ican Region. New York, N.Y. (A. M. Dutton, Box 287, Station 3, Rochester 20, N.Y.)

26–31. American Assoc. for the Advancement of Science, Atlanta, Ga. (R. L. Taylor, AAAS, 1025 Connecticut Ave., NW, Washington 6.)

The following 32 meetings will be held in conjunction with the AAAS annual meeting.

26–27. American Assoc. of Clinical Chemists, Atlanta, Ga. (A. E. Sobel, Dept. of Biochemistry, Jewish Hospital of Brooklyn, 555 Prospect Pl., Brooklyn 16, N.Y.)

26–30. American Nature Study Soc., Atlanta, Ga. (M. Trussell, School of Education, Florida State Univ., Tallahassee.)

26–30. National Assoc. of Biology Teachers, Atlanta, Ga. (J. P. Harrold, 110 E. Hines St., Midland, Mich.)

27. National Assoc. of Science Writers, Atlanta, Ga. (O. Fanning, Midwest Research Inst., Kansas City, Mo.)

27. National Speleological Soc., Atlanta, Ga. (Bro. G. Nicholas, F.S.C., 114 Hanover St., Cumberland, Md.)

27. Soc. for Research in Child Development, Atlanta, Ga. (W. C. Rhodes, Georgia Dept. of Public Health, Atlanta.)

27–28. American Psychiatric Assoc., Atlanta, Ga. (H. E. Himwich, Research Div., Galesburg State Research Hospital, Galesburg, Ill.)

27–28. Soc. for the Advancement of General Systems Theory, Atlanta, Ga. (L. von Bertalanffy, Psychosomatic Research Inst., Mt. Sinai Hospital, Los Angeles, Calif.)

27–29. American Geophysical Union, Atlanta, Ga. (W. Smith, 1530 P St., NW, Washington 5.)

27–29. American Meteorological Soc., Atlanta, Ga. (K. Spengler, 3 Joy St., Boston, Mass.)

27–29. Assoc. of Southeastern Biologists, Atlanta, Ga. (M. E. Gaulden, Biology Div., Oak Ridge National Lab., Oak Ridge, Tenn.)

27–29. International Geophysical Year, Atlanta, Ga. (H. Odishaw, National Research Council, Washington 25.)

27–29. Oak Ridge Inst. of Nuclear Studies, Atlanta, Ga. (C. L. Comar, ORINS, Oak Ridge, Tenn.)

27, 29. Soc. of the Sigma Xi, Atlanta, Ga. (T. T. Holme, 56 Hillhouse Ave., New Haven, Conn.)

27–30. American Phytopathological Soc., Atlanta, Ga. (G. S. Pound, Dept. of Plant Pathology, Univ. of Wisconsin, Madison.)

27–30. American Soc. of Parasitologists, Atlanta, Ga. (A. C. Walton, Dept. of Biology, Knox College, Galesburg, Ill.)

27–30. Botanical Soc. of America, Southeastern Section, Atlanta, Ga. (R. E. Shanks, University of Tennessee, Knoxville.)

27–30. Ecological Soc. of America, Atlanta, Ga. (E. P. Odum, Univ. of Georgia, Athens.)

27–30. National Science Teachers Assoc., Atlanta, Ga. (R. H. Carleton, NSTA, 1201 16 St., NW, Washington 6.)

27–30. Soc. of Systematic Zoology, Atlanta, Ga. (D. C. Scott, Dept. of Zoology, Univ. of Georgia, Athens.)

28. Alpha Epsilon Delta, Atlanta, Ga. (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y.)

28. National Assoc. for Research in Science Teaching, Atlanta, Ga. (G. G. Mallinson, Western Michigan College of Education, Kalamazoo.)

28. Sigma Pi Sigma, Atlanta, Ga. (D. R. McMillan, Emory Univ., Emory University, Ga.)

28. Soc. of General Physiologists, Atlanta, Ga. (A. Shanes, National Institutes of Health, Bethesda 14, Md.)

28–29. American Soc. of Naturalists, Atlanta, Ga. (W. P. Spencer, Dept. of Genetics, Univ. of Texas, Austin 12.)

28–29. Conference on Scientific Editorial Problems, Atlanta, Ga. (R. W. Russell, 3518 University Ave., Los Angeles 7, Calif.)

28–29. Herpetologists League, Atlanta, Ga. (J. A. Fowler, Acad. of Natural Sciences, 19th and Parkway, Philadelphia 3, Pa.)

29. American Assoc. of Hospital Consultants, Atlanta, Ga. (J. Masur, Asst. Surgeon-General, USPHS, Washington 25.)

29. National Acad. of Economics and Political Science, Atlanta, Ga. (D. P. Ray, Hall of Government, George Washington Univ., Washington, D.C.)

29. National Geographic Soc., Atlanta, Ga. (W. R. Gray, NGS, 16 and M Sts., NW, Washington 6.)

29. Scientific Research Soc. of America, Atlanta, Ga. (D. B. Prentice, 54 Hillhouse Ave., New Haven, Conn.)

30. American Soc. of Plant Physiologists, Southern Section, Atlanta, Ga. (A. W. Naylor, Duke Univ., Durham, N.C.)

30. United Chapters of Phi Beta Kappa, Atlanta, Ga. (C. Billman, 1811 Q St., NW, Washington, D.C.)

27–29. American Mathematical Soc., 62nd annual, Houston, Tex. (J. H. Curtiss, AMS, 80 Waterman St., Providence 6, R.I.)

27–29. Archaeological Inst. of America, Chicago, Ill. (C. Boulter, 608, Univ. of Cincinnati Library, Cincinnati 21, Ohio.)

27–29. Assoc. for Symbolic Logic, Rochester, N.Y. (J. Barlaz, Rutgers Univ., New Brunswick, N.J.)

27–29. Linguistic Soc. of America, Chicago, Ill. (A. A. Hill, 1719 Massachusetts Ave., NW, Washington 6.)

27–29. Western Soc. of Naturalists, Davis, Calif. (D. Davenport, Univ. of California, Santa Barbara.)

27–30. American Statistical Assoc., New York, N.Y. (E. M. Bisgyer, 1757 K St., NW, Washington 6.)

27–30. Inst. of Mathematical Statistics, New York, N.Y. (K. J. Arnold, Dept. of Mathematics, Michigan State Univ., East Lansing.)

27–1. Phi Delta Kappa, 50th anniversary, Bloomington, Ind. (J. C. Whinnery, 324 N. Greenwood Ave., Montebello, Calif.)

28–29. Northwest Scientific Assoc., Spokane, Wash. (F. J. Schadegg, Eastern Washington College of Education, Cheney.)

28–30. American Economic Assoc., New York, N.Y. (J. W. Bell, Northwestern Univ., Evanston, Ill.)

28–30. American Historical Assoc., Washington, D.C. (B. C. Shafer, Study Room 274, Library of Congress Annex, Washington 25.)

28–30. American Philological Assoc., Chicago, Ill. (J. P. MacKendrick, Bascom Hall, University of Wisconsin, Madison 6.)

28–30. Low Temperature Physics and Chemistry, Baton Rouge, La. (J. G. Daunt, Dept. of Physics, Ohio State Univ., Columbus 10.)

28–30. American Philosophical Assoc., Eastern Div., Boston, Mass. (W. H. Hay, Dept. of Philosophy, Univ. of Wisconsin, Madison.)

28–30. American Physical Soc., winter meeting, Los Angeles, Calif. (K. K. Darrow, Columbia University, New York 27.)

28–30. Econometric Soc., New York, N.Y. (R. Ruggles, Box 1264, Yale Station, Yale Univ., New Haven, Conn.)

29. Metric Assoc., Inc., annual, Washington, D.C. (V. G. Shinkle, 1916 Eye St., NW, Washington 6.)

29–30. American Folklore Soc., Washington, D.C. (M. Leach, Bennett Hall, Univ. of Pennsylvania, Philadelphia 4.)

29–30. History of Science Soc., Washington, D.C. (T. S. Kuhn, 74 Buckingham St., Cambridge 38, Mass.)

30. Mathematical Assoc. of America, 39th annual, Houston, Tex. (H. M. Gehman, University of Buffalo, Buffalo 14, N.Y.)

January

9–10. Operations Research Soc. of America, 8th national, Ottawa, Ont., Canada. (J. Abrams, Dept. of National Defense, Ottawa.)

9–14. Pan American Cong. of Ophthalmology, 5th, Santiago, Chile. (T. D. Allen, 575 Lincoln St., Winnetka, Ill.)

10. American Ethnological Soc., New York, N. Y. (A. G. James, 695 Park Ave., New York 21.)

10–11. Calcium and Phosphorous Metabolism in Man and Animals with Special Reference to Pregnancy and Lactation, New York, N.Y. (R. R. Marshak, Craigue Hill Rd., Springfield, Vt.)

12. American Genetic Assoc., Washington, D.C. (S. L. Emsweller, Plant Industry Sta., Beltsville, Md.)

12–14. Use of Isotopes in Agriculture, East Lansing, Mich. (E. W. Phelan, Argonne National Lab., Box 299, Lemont, Ill.)

16–18. Documentation Conf., Cleveland, Ohio. (J. H. Shera, School of Library Science, Western Reserve Univ., Cleveland 6.)

17–20. American Pomological Soc., Rochester, N.Y. (R. B. Tukey, Horticulture Dept., Purdue Univ., Lafayette, Ind.)

20–27. Pan American Cong. of Gastro-Enterology, 5th, Havana, Cuba. (N. M. Stapler, 1267 J. E. Uriburu, Buenos Aires, Argentina.)

23–26. American Soc. of Heating and Air-Conditioning Engineers, Cincinnati, Ohio. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

23–27. Inst. of Aeronautical Sciences, New York, N.Y. (S. P. Johnston, IAS, 2 E. 64 St., New York 21.)

26–27. Western Spectroscopy Assoc. 3rd annual, Berkeley, Calif. (J. W. Otvos, Shell Development Co., Emeryville, Calif.)

30–1. International Conf. on Fatigue in Aircraft Structures, New York, N.Y. (A. M. Freudenthal, 716 Engineering, Columbia Univ., New York 27.)

30–3. American Inst. of Electrical Engineers, New York, N.Y. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

31–3. American Soc. of Sugar Beet Technologists, 9th biennial conf., San Francisco, Calif. (Western Beet Sugar Producers, Inc., 461 Market St., San Francisco 5.)

31–4. American Physical Soc., New York, N.Y. (K. K. Darrow, Columbia Univ., New York 27.)

February

1–2. Armour Research Foundation Midwest Welding Conf., Chicago, Ill. (H. Schwartzbart, Armour Research Foundation, Illinois Inst. of Technology, Chicago.)

2–3. National Symposium on Microwave Techniques, Philadelphia, Pa. (S. M. King, Inst. of Radio Engineers, 1 E. 79 St., New York 21.)

5–8. National Citizens' Planning Conf., Washington, D.C. (Miss H. James, 901 Union Trust Bldg., Washington 5.)

9–10. Soc. of American Military Engineers, annual, Chicago, Ill. (D. A. Sullivan, 72 W. Adams St., Chicago 90.)

19–23. American Inst. of Mining and Metallurgical Engineers, New York, N.Y. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

19–23. Soc. of Economic Geologists, New York, N.Y. (O. N. Rove, Union Carbide and Carbon Corp., 30 E. 42 St., New York 17.)

20–22. American Educational Research Assoc., annual, Atlantic City, N.J. (F. W. Hubbard, AERA, 1201 16 St., NW, Washington 6.)

23–25. National Soc. of College Teachers of Education, Chicago, Ill. (C. A. Eggertsen, School of Education, Univ. of Michigan, Ann Arbor.)

24–25. American Physical Soc. Houston, Tex. (K. K. Darrow, APS, Columbia Univ., New York 27.)

26–29. American Inst. of Chemical Engineers, Los Angeles, Calif. (F. J. Van Antwerpen, AIChE, 25 W. 45 St., New York 36.)

March

12–16. National Assoc. of Corrosion Engineers, 12th annual, New York, N.Y. (Secretary, NACE, Southern Standard Bldg., Houston 2, Tex.)

14–17. National Science Teachers Assoc., Washington, D.C. (R. H. Carleton, NSTA, 1201 16 St., NW, Washington 6.)

15–16. Food Physics Symposium, 1st international, San Antonio, Tex. (C. W. Smith, Southwest Research Inst., San Antonio.)

15–17. American Physical Soc., Pittsburgh, Pa. (K. K. Darrow, APS, Columbia Univ., New York 27.)

15–17. Kappa Delta Pi, annual Stillwater, Okla. (E. I. F. Williams, 238 E. Perry St., Tiffin, Ohio.)

16–18. International Assoc. for Dental Research, St. Louis, Mo. (D. Y. Burrill, 129 E. Broadway, Louisville 2, Ky.)

18–24. American Soc. of Photogrammetry, annual, joint meeting with American Cong. on Surveying and Mapping, Washington, D.C. (ACSM–ASP, Box 470, Washington 4.)

19–23. American Soc. of Tool Engineers, Chicago, Ill. (H. C. Miller, Armour Research Foundation, 35 W. 33 St., Chicago 16.)

21–22. National Health Forum, New York, N.Y. (T. G. Klumpp, National Health Council, 1790 Broadway, New York 19.)

21–23. American Power Conf., 18th annual, Chicago, Ill.. (R. A. Budenholzer, Illinois Inst. of Technology, Chicago 16.)

23–24. Eastern Psychological Assoc., Atlantic City, N.J. (G. G. Lane, Univ. of Delaware, Newark.)

24–25. American Psychosomatic Soc., 13th annual, Boston, Mass. (T. Lidz, APS, 551 Madison Ave., New York 22.)

24–31. Perspectives in Marine Biology, La Jolla, Calif. (A. A. Buzzati-Traverso, Scripps Institution of Oceanography, La Jolla.)

25–28. American Assoc. of Dental Schools, annual, St. Louis, Mo. (M. W. McCrea, 42 S. Greene St., Baltimore 1, Md.)

25–29. American College Personnel Assoc., Washington, D.C. (Miss C. M. Northrup, Univ. of Denver, Denver, Colo.)

28–3. Colloquium on Frontiers in Physical Optics, Boston, Mass. (S. S. Ballard, Visibility Lab., Scripps Institution of Oceanography, San Diego 52, Calif.)

29–31. Pennsylvania Acad. of Science, Indiana. (K. Dearolf, Public Museum and Art Gallery, Reading, Pa.)

29–31. Southern Soc. for Philosophy and Psychology, Asheville, N.C. (J. E. Moore, Georgia Inst. of Technology, Atlanta.)

29–31. Symposium on Fundamental Cancer Research, 10th annual, Houston, Tex. (G. Taylor, Univ. of Texas Postgraduate School of Medicine, Houston 25.)

30–31. Alabama Acad. of Science, annual, Montevallo. (H. A. McCullough, Howard College, Birmingham, Ala.)

April

2–5. Assoc. of American Geographers, annual, Montreal, Canada. (B. W. Adkinson, Library of Congress, Washington 25.)

Equipment News

■ AEROSOL SAMPLING INSTRUMENT model 100B Thermopositor, is designed to offer 100-percent collection efficiency, wide particle size range, and simplicity and versatility of operation. (Roy A. Martin Co., Dept. Sci., 809 Wellesley Drive N.W., Atlanta 5, Ga.)

■ POTENTIOMETER type 747–E provides a resistance range of 50 to 70 kohm with a standard linearity of ±0.15 percent. Unit, which is guaranteed for long service and sustained accuracy, has a special clamp band that provides an unrestricted tapping area that allows up to 19 taps and presents a simplified means of phasing units in a ganged assembly without disassembling the units. The unit is designed with the low noise level and high resolution that are desirable for potentiometers used in computer assemblies, calibration controls, servo mechanisms, and other similar applications. Diameter is 2.100 in. and cup width is 0.984 in.; up to 6 units can be ganged on a single shaft. A second new type, 748-E, has a range of 80 to 150 kohm with linearity tolerance of ±0.10 percent. (Fairchild Camera and Instrument Corp., Dept. Sci., Robbins Lane, Syosset, N.Y.)

■ NEW INSTRUMENTS of various types are described in the 24th edition of "What's new for the laboratory," which is available on request. (Scientific Glass Apparatus Co., Inc., Dept. Sci., 100 Lakewood Terrace, Bloomfield, N.J.)

■ NUCLEAR REACTOR SIMULATOR by Leeds and Northrup permits electronic synthesis of reactor operating conditions. An analog computer solves the differential equations that represent the kinetic operation of a nuclear reactor. The remainder of the assembly includes recorders to measure and chart pile period and linear flux, servo amplifier, rod drive mechanisms, log N amplifier, model reactor core, and other equipment. The simulator can synthesize the operation of several types of reactors. Folder ND46-70-700 (2). (Leeds and Northrup Co., Dept. Sci., 444 N. 16 St., Philadelphia 30, Pa.)

■ BOTTLE PUMP by Barnstead pumps out distilled water from tank or carboy while permitting only purified air to enter. This is accomplished by a Ventgard filter that removes and absorbs various impurities from the incoming air that replaces the liquids being drawn off. The filter removes particulate matter as small as 0.2 μ. Bacteria such as tuberculosis, diphtheria, typhoid, tetanus are prevented from entering the container, as well as vapors, alkali, and acid gases. Bulletin No. 136. (Barnstead Still and Sterilizer Co., Dept. Sci., 256 Lanesville Terrace, Forest Hills, Boston 31, Mass.)