

Meetings and Societies

Antibiotics

On 31 May–7 June there was held in Moscow, U.S.S.R., the second All-Union Conference on Antibiotics. The meetings took place at the University of Moscow. The Minister of Public Health of the U.S.S.R., M. D. Kovrigina, delivered an address of welcome at the opening session. This was followed by general addresses by Z. B. Ermoleva on "New antibiotics, new therapeutic forms of antibiotics, and their experimental clinical significance," and by G. P. Rudnev on "Fundamental principles of the clinical applications of modern antibiotics in the treatment of infectious diseases." The concluding address at the conference was delivered by A. P. Grishakova—"Prospectives in the manufacture of antibiotics." There were several hundred participants.

A total of 252 papers was listed. These were divided into three sections: (i) "Search for new antibiotics," 43 papers; (ii) "Biology of antibiotic-producing organisms, chemistry and technology of antibiotics," 59 papers; (iii) "Experimental and clinical study of antibiotics," 150 papers. Although most of the papers came from the five leading institutions concerned with the study of antibiotics and antibiotic-producing organisms (Institute of Microbiology of the Academy of Sciences of the U.S.S.R., All-Union Institute of Antibiotics in Moscow, Institute for the Study of New Antibiotics in Moscow, Leningrad Institute of Antibiotics, Sverdlovsk Institute of Antibiotics), about 30 other institutions, comprising medical schools and institutes, chemical and botanical laboratories, and numerous others, were represented.

About a dozen new antibiotics were announced or discussed, in addition to many others already isolated and produced elsewhere. Practically all the new antibiotics were isolated from cultures of actinomycetes. These were designated as grisamin, actinoxantin, cerulomycin, heliomycin, celomin, crystalomycin, actinoidin, aurantin, secacin, sapropelmycin, and sapromycin. They are active upon bacteria, or fungi, or viruses, or neoplasms. Several forms of penicillin (benzyl, phenoxymethyl), one fungal product (poin), and one bacterial product (neocide) were also listed. Some of

the isolated preparations are definitely known to be forms of well-known antibiotics. This is true, for example, of colimycin and miserin (forms of neomycin) and for levomycetin and synthomycin (apparently forms of chloramphenicol); biomyacin is chlortetracycline.

Considerable progress on the practical production and utilization of antibiotics was reported.

National Council of Teachers of Mathematics

The National Council of Teachers of Mathematics was organized in Cleveland, Ohio, on 24 Feb. 1920 and was incorporated under the laws of Illinois on 28 Apr. 1928. From a small group of founders, the membership has grown to approximately 11,000, with 4000 additional subscribers, in the intervening 37 years.

The council has recently been accepted as an affiliate of the American Association for the Advancement of Science. The officers of the council feel this to be an honor and a privilege. This new relationship should do much to further the interests of mathematics as we work together with our fellow-scientists.

In 1950 the council became a department of the National Education Association and moved the central office to the NEA Building in Washington, D.C. This was a transition period which made a revision in the bylaws necessary. The new office now operates with an executive secretary in charge.

The administrative affairs and the program of the council are invested in a board, which functions under the provisions of the bylaws. The board is composed of the president, the immediate past president, four vice presidents (one, each, representing the elementary, junior high school, senior high school, and college levels), and nine directors. The past president does not have a vote. The directors are representatives of their special areas; hence, a good geographic distribution of the board is maintained. The board meets twice each year. Between meetings, a three-man executive committee of the board meets when necessary.

The purpose of the council is to pro-

mote interest in mathematics and to further the field of mathematics education at all levels, from the elementary school through the college and university. This is done in the following ways.

Four meetings for the presentation and discussion of papers are held each year. The annual meeting is in the spring. The attendance at this meeting is always more than 1000. Other meetings are held in late summer, at the Christmas season, and in conjunction with the annual meeting of the NEA.

The council publishes three journals: (i) The *Mathematics Teacher*, published eight times per year, is devoted to the interests of mathematics teachers in high schools and colleges. This is the official organ of the council. (ii) The *Arithmetic Teacher*, published six times per year, is devoted to the interests of mathematics teachers in elementary schools. (iii) The *Mathematics Student Journal*, published for the purpose of developing an interest in mathematics on the part of the high-school student, appears four times each year.

The council publishes a yearbook but not necessarily annually. Twenty-two yearbooks have been published, and the 23rd will appear this year. The yearbooks are major publications which deal with subjects of general interest and importance in the field of mathematics. An increasing number of pamphlet-size publications on specific subjects are being published annually.

The council has a plan whereby regional, state, county, and city mathematical organizations may affiliate. This program has done much to increase interest in the work of the council. At each annual meeting there is a meeting of the delegates of the affiliated groups. Each group is permitted one voting delegate. At present there are 64 mathematical groups affiliated with the council.

There are nearly 30 standing and special committees. These delve into all phases of mathematics education. Some are research committees, others are promotional. The important work of the council has its source in these committees. They report to the board twice each year.

The council is the only mathematical organization which brings teachers of all levels together. It is recognized today, as never before, that all teachers of mathematics must work together to solve our instruction and curriculum problems and provide the necessary supply of people trained in mathematics. It is indeed unusual and inspiring to see these teachers working together and enjoying mutual fellowship at one of the council meetings.

HOUSTON T. KARNES
*Louisiana State University,
Baton Rouge*

Radioisotopes Conference

An International Conference on Radioisotopes in Scientific Research will be held in Paris, 9–20 Sept. This conference is being convened by UNESCO, after consultation with the United Nations Secretariat and interested specialized agencies, in particular the World Health Organization, the United Nations Food and Agriculture Organization, and the World Meteorological Organization. The purpose of the conference is to bring together a large number of specialists in the various scientific disciplines interested in the use of radioisotopes, so that they may submit the results of their research and exchange information and views on a series of subjects in which developments are proceeding at a rapid pace.

Plans for the conference were made by C. D. Coryell (United States), Ch. Fisher (France), F. M. Gomes (Brazil), T. Hamada (Japan), C. Jech (Czechoslovakia), A. S. Rao (India), I. D. Rojansky (U.S.S.R.), H. Seligman (United Kingdom), V. S. Vavilov (U.S.S.R.), and representatives of the following organizations: United Nations Food and Agriculture Organization (R. A. Silow), World Health Organization (I. S. Eve), World Meteorological Organization (P. J. Meade), and European Organization for Nuclear Research (A. Lundby).

Photographic Scientists

The Society of Photographic Scientists and Engineers will hold its annual meeting at the Berkeley-Carteret Hotel in Asbury Park, N.J., 9–13 Sept. The conference will be conducted with the cooperation of the U.S. Army's Signal Engineering Laboratories. Papers will cover experimental and theoretical studies as well as practical design of instruments, apparatus, and systems.

Charles E. Ives (Kodak Research Laboratories) is program chairman, and co-chairmen are Carl Orlando (Fort Monmouth, N.J.) and Arthur E. Neumer (Eastman Kodak Company).

Instrument-Automation Conference

The 12th annual Instrument-Automation Conference and Exhibit of the Instrument Society of America will be held in Cleveland, Ohio, 9–13 Sept. The theme of the conference is "Instrumentation for systems control," and speakers will include Simon Ramo, executive vice president, Ramo-Wooldridge, Los Angeles, and Cuthbert Hurd, director of central research for IBM.

A new conference feature, the Systems Workshop, keyed to probing into the relatively new "systems" concept will be

led by Chalmer E. Jones of Daystrom, Inc. Discussions will cover such topics as aircraft and missiles (excluding propulsion); wind tunnel; flight propulsion systems; process industries; power generation and distribution; meteorological, nuclear, medical, geophysical exploration, and general industrial laboratories; oscillographic and photographic data reduction; data transmission and storage; analog-to-digital and digital-to-analog converters; real time digital computer applications; real time analog computer applications; transducers; data for human consumption; data for management decisions and validity checks; error detection and editing.

Another feature of the conference will be the Computers Application Clinic, at which the discussion is expected to point to the many and varied applications of computers to problems of design, analysis, and simulation.

Members of the AAAS may attend the Cleveland conference and exhibit without paying the \$1 registration fee by requesting an advance invitation form from the exhibit manager, Fred J. Tabery, 3443 S. Hill St., Los Angeles 7, Calif.

International Microbiology

Word has just reached the Society of American Bacteriologists that 15 Sept. 1957 is the deadline for receipt of preliminary applications for participation in the seventh International Congress for Microbiology to be held in Stockholm, Sweden, 4–9 Aug. 1958. Persons wishing to attend the congress should immediately request the necessary forms and instructions from F. C. Harwood, Business Manager, SAB, Waverly Press, Inc., Mt. Royal and Guilford Aves., Baltimore 2, Md. Those who do not intend to give a paper should write the words "auditor only" on the application.

Cryogenic Engineering

More than 40 papers on a variety of topics associated with the production and use of liquefied gases such as hydrogen, nitrogen, oxygen, and helium will be given at the 1957 Cryogenic Engineering Conference, 19–21 Aug., at the Boulder Colorado Laboratories of the National Bureau of Standards.

Since World War II, more and more research has been done with liquids colder than 400° below zero in order to learn more about the unusual problems associated with practical use of them, and industry is becoming vitally concerned with cryogenics problems because of the virtually untapped potential offered by the use of very cold liquids in such areas as commercial atomic energy and space flight.

The Cryogenic Conference was initially planned to be held every 2 years. The first was in 1954 and the second in 1956. Pace in developments has been so great, however, that yearly conferences have been requested by industry and defense.

Committee members for this year's conference are S. C. Collins, Massachusetts Institute of Technology; E. F. Hammett, Los Alamos Scientific Laboratory; W. T. Ziegler, Georgia Institute of Technology; and B. W. Birmingham, R. B. Scott, and K. D. Timmerhaus, National Bureau of Standards.

Society Elections

■ Phi Lambda Upsilon: pres., Carl S. Carlson, Standard Oil Company (N.J.); v. pres., Thomas B. Cameron, University of Cincinnati; sec., Milton Tamres, University of Michigan; treas., William G. Schrenk, Kansas State College, Manhattan.

■ American Society of Agricultural Engineers: pres., E. D. Anderson, Stran-Steel Corp., Detroit, Mich.; sec., J. L. Butt, St. Joseph, Mich.; treas. and asst. sec., R. A. Palmer, St. Joseph, Mich. The vice presidents are W. J. Ridout, Jr., New York; L. W. Hurlbut, University of Nebraska; H. J. Barre, Mansfield, Ohio. Representative to the AAAS Council is Eugene G. McKibben, USDA.

■ Lancaster Branch, AAAS: chair., Robert L. Moore; vice chair., Thomas Mariner; treas., Michael A. Lewis; sec., Wilhelmina S. Scott.

Forthcoming Events

September

16–21. Orthopedic Surgery and Traumatology, 7th internatl. cong., Barcelona, Spain. (J. M. Vilardell, Avenida Jose Antonia 654, Barcelona.)

17–20. International Union of Pure and Applied Physics 9th general assembly, Rome, Italy. (P. Fleury, IUPAP, 3, boulevard Pasteur, Paris 15^e, France.)

17–24. Industrial Chemistry, 30th internatl. cong., Athens, Greece. (Committee of Organization, 30th internatl. Cong. of Industrial Chemistry, Rue Kaningos 10, Athens.)

18–20. Formation and Stabilization of Free Radicals, symp., Washington, D.C. (A. M. Bass, Free Radicals Research Section, National Bureau of Standards, Washington 25.)

18–21. Child Psychology Symp., Worcester, Mass. (D. Evans, News Bureau, Clark Univ., Worcester.)

18–21. International Mineral Dressing Cong., Stockholm, Sweden. (J. Hedlund, IMDC, Näckströmsgatan 1^{III}, Stockholm C.)

18-28. Ethnological Conf., 4th internat., Freiburg, Breisgau, Germany. (D. O. Koehler, Zoologisches Institut, Albert Ludwig Universität, Freiburg.)

19-21. Office Dermatology, postgraduate conf., San Francisco, Calif. (Office of the Dean, Stanford Univ. School of Medicine, 2398 Sacramento St., San Francisco 15.)

22-28. Mesons and Recently Discovered Particles, colloquium, IUPAP, Venice, Italy. (A. Rostagni, Istituto di Fisica dell' Università, Via Marzolo 8, Padua, Italy.)

23-24. Fluid Flow in Porous Media, Conf., Norman, Okla. (C. G. Dodd, Petroleum Engineering Dept., Univ. of Oklahoma, Norman.)

23-25. American Soc. of Mechanical Engineers, fall, Hartford, Conn. (C. E. Davies, ASME, 29 W 39 St., New York 18.)

23-27. International Soc. of Bioclimatology and Biometeorology, Vienna, Austria. (S. W. Tromp, Hofbrouckerlaan 54, Oegstgeest-Leiden, Holland.)

24-25. Industrial Electronics Conf., Chicago, Ill. (E. A. Roberts, Union Thermoelectric Corp., 2001 Greenleaf St., Evanston, Ill.)

25-27. Mississippi Valley Medical Soc., annual, St. Louis, Mo. (H. Swanberg, 510 Maine St., Quincy, Ill.)

28-30. American College of Hospital Administrators, 23rd annual, Atlantic City, N.J. (D. Conley, ACHA, 620 N. Michigan Ave., Chicago 11, Ill.)

29-5. World Medical Assoc., Istanbul, Turkey. (L. H. Bauer, 10 Columbus Circle, New York 19.)

30-2. American Oil Chemists' Soc., fall, Cincinnati, Ohio. (Miss L. R. Hawkins, AOCS, 35 E. Wacker Dr., Chicago 1, Ill.)

30-8. International Council for the Exploration of the Sea, 45th annual, Bergen, Norway. (A. Fridriksson, ICES, Charlottenlund Slot, Charlottenlund, Denmark.)

October

1-4. American Roentgen Ray Soc., annual, Washington, D.C. (B. R. Young, Germantown Hospital, Philadelphia 44, Pa.)

2-4. American Soc. of Photogrammetry, semi-annual, St. Louis, Mo. (C. E. Palmer, ASP, 1515 Massachusetts Ave., NW, Washington 5.)

2-4. Antibiotics, 5th annual symp., Washington, D.C. (H. Welch, Div. of Antibiotics, Food and Drug Administration, U.S. Dept. of Health, Education, and Welfare, Washington 25.)

4. Role of Agriculture in Future Society, 75th anniversary symp., Geneva, N.Y. (New York State Agricultural Experiment Station, Cornell Univ., Geneva.)

4-6. Indiana Geologic Field Conf., 9th, Mitchell, Ind. (H. H. Gray, Indiana Field Conf., Dept. of Conservation, Geological Survey, Bloomington, Ind.)

6-10. Electrochemical Soc., fall, Buffalo, N.Y. (H. B. Linford, 1860 Broadway, New York 23.)

7-9. National Electronics Conf., Chicago, Ill. (J. S. Powers, NEC, 84 E. Randolph St., Chicago 1.)

7-11. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S.

Hibshman, AIEE, 33 W. 39 St., New York 18.)

7-11. Research Contributions to Clinical Practice, New York Acad. of Medicine Postgraduate Week, New York. (Secretary, Postgraduate Week, New York Acad. of Medicine, 2 E. 103 St., New York 29.)

8-10. International Assoc. of Milk and Food Sanitarians, annual, Louisville, Ky. (H. H. Wilkowske, Dairy Science Dept., Univ. of Florida, Gainesville.)

8-10. Upper Air Conf., American Meteorological Soc., Omaha, Nebr. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

9-11. High Vacuum Technology, 4th annual symp., Boston, Mass. (Committee on Vacuum Techniques, P.O. Box 1282, Boston 9.)

9-11. Society for Experimental Stress Analysis, fall, San Diego, Calif. (W. M. Murray, SESA, P.O. Box 168, Cambridge 39, Mass.)

9-12. Tau Beta Pi Assoc., annual, Madison and Milwaukee, Wis. (R. H. Nagel, Univ. of Tennessee, Knoxville.)

10-11. Noise Abatement Symp., 8th annual, Chicago, Ill. (J. J. Kowal, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

10-13. Angiology, 3rd internat. cong., Atlantic City, N.J. (H. Haimovici, 105 E. 90 St., New York 28.)

13-18. American Acad. of Ophthalmology and Otolaryngology, annual, Chicago, Ill. (W. L. Benedict, 100 First Avenue Bldg., Rochester, Minn.)

14-16. Association of Official Agricul-

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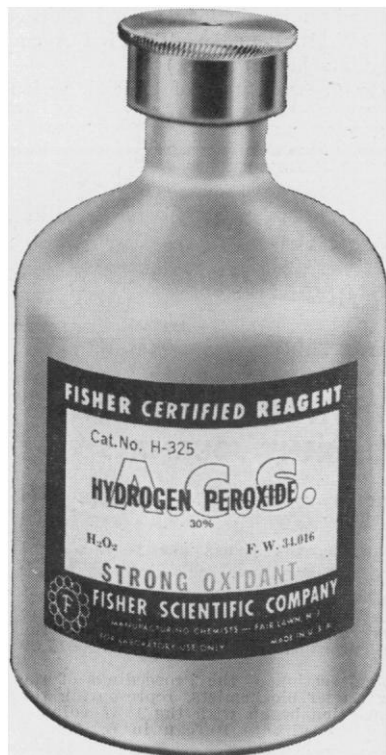
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tural Chemists, 71st annual, Washington, D.C. (W. Horwitz, Box 540, Benjamin Franklin Station, Washington 4.)

14-18. American College of Surgeons, 43rd annual clinical cong., Atlantic City, N.J. (ACS, 40 E. Erie St., Chicago 11, Ill.)

14-18. American Soc. of Civil Engineers, New York, N.Y. (W. H. Wisely, ASCE, 33 W. 39 St., New York 18.)

14-18. International Industrial Development Conf., San Francisco, Calif. (E. S. Prentice, Stanford Research Inst., Menlo Park, Calif.)

16-23. Enzyme Chemistry, internatl. symp., Tokyo and Kyoto, Japan. (International Symp. on Enzyme Chemistry, Science Council of Japan, Ueno Park, Tokyo.)

17-18. American Ceramic Soc., 10th Pacific Coast mtg., San Francisco, Calif. (C. E. Pearce, ACS, 4055 N. High St., Columbus 14, Ohio.)

17-18. Industrial Hydraulics, natl. conf., Chicago, Ill. (Conference Secretary, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

17-19. Indiana Acad. of Science, Greencastle. (H. Crull, Dept. of Mathematics, Butler Univ., Indianapolis 7, Ind.)

17-19. Optical Soc. of America, Columbus, Ohio. (S. S. Ballard, Visibility Lab., Scripps Institution of Oceanography, San Diego 52, Calif.)

18-19. National Soc. of Professional Engineers, Bismark, N.D. (P. H. Robbins, 2029 K St., NW, Washington 6.)

19-26. Social Work, 3rd Pan American cong., San Juan, Puerto Rico. (A. Porrata Dorla, Apartado 3271, San Juan.)

20-22. American College of Apothecaries, St. Louis, Mo. (R. E. Abrams, Hamilton Court, Chestnut and 39 St., Philadelphia, Pa.)

21. Air Pollution Symp., 2nd annual, Philadelphia, Pa. (A. D. Hollingsworth, Franklin Inst., Benjamin Franklin Parkway at 20th, Philadelphia 3.)

21-25. Medical Aspects of Workmen's Compensation, New York. (Office of Associate Dean, New York Univ. Post-Graduate Medical School, 550 First Ave., New York 16.)

21-26. Ultra High Frequency Circuits and Antennas, internatl. conf., Paris, France. (Congrès Circuits et Antennes Hyperfréquences, Société des Radioélectriciens, 10, Avenue Pierre-Larousse, Malakoff (Seine), France.)

22. American Soc. of Safety Engineers, annual, Chicago, Ill. (J. B. Johnson, ASSE, 425 N. Michigan Ave., Chicago 11.)

22-25. American Dietetic Assoc., annual, Miami, Fla. (Miss R. M. Yakel, ADA, 620 N. Michigan Ave., Chicago 11, Ill.)

24-25. Computer Applications Symp., Chicago, Ill. (Conference Secretary, Armour Research Foundation, 10 W. 35 St., Chicago 16.)

24-25. New Mexico Acad. of Science, annual, Albuquerque. (W. J. Koster, Dept. of Biology, Univ. of New Mexico, Albuquerque.)

24-26. Acoustical Soc. of America, Ann Arbor, Mich. (W. Waterfall, ASA, 57 E. 55 St., New York 22.)

24-5. Pan Indian Ocean Science Assoc., 3rd cong., Tananarive, Madagascar. (R.

Paulian, Institut de Recherche Scientifique, B.P. 434, Tananarive.)

25-26. Kentucky Acad. of Science, Berea. (G. Levey, Berea College, Berea.)

25-28. American Heart Assoc. Scientific Sessions, Chicago, Ill. (Medical Director, AHA, 44 E. 23 St., New York 10.)

26. American Mathematical Soc., Washington, D.C. (J. H. Curtiss, AMS, 190 Hope St., Providence 6, R.I.)

27-1. Atom Fair, New York, N.Y. (Atomic Industrial Forum, 3 E. 54 St., New York 22.)

28-30. Association of Military Surgeons of the U.S., annual, Washington, D.C. (R. E. Bitner, AMSUS, Suite 718, 1726 Eye St., Washington 6.)

28-31. American Nuclear Soc., 2nd winter, New York, N.Y. (J. Burt, J. M. Mathes, Inc., 260 Madison Ave., New York 16.)

29-31. Entomological Soc. of Canada, annual, Lethbridge, Alta., Canada. (R. H. Wigmore, Science Service Bldg., Carling Ave., Ottawa 3, Ont.)

29-3. Photoperiodism in Plants and Animals, internatl. conf., Gatlinburg, Tenn. (R. Winthrow, Division of Radiation and Organisms, Smithsonian Inst., Washington 25, D.C.)

30-2. American Soc. of Parasitologists, annual, Philadelphia, Pa. (P. E. Thompson, Research Div., Parke, Davis & Co., Detroit 32, Mich.)

30-2. American Soc. of Tropical Medicine and Hygiene, annual, Philadelphia, Pa. (R. B. Hill, 3575 St. Gaudens Rd., Miami 33, Fla.)

30-2. Federation of Paint and Varnish Production Clubs, 35th annual, Philadelphia, Pa. (FPVPC, 121 S. Broad St., Philadelphia 7.)

31. Reactor Safety Conf., New York, N.Y. (Atomic Industrial Forum, 3 E. 54 St., New York 22.)

31-2. Engineering and Scientific Education Conf., Chicago, Ill. (J. E. Harrington, Western Soc. of Engineers, 84 E. Randolph St., Chicago 1.)

31-2. Gerontological Soc., annual, Cleveland, Ohio. (N. W. Shock, Baltimore City Hospitals, Baltimore 24, Md.)

November

2-8. World Metallurgical Cong., 2nd, Chicago, Ill. (W. H. Eisenman, American Soc. for Metals, 7301 Euclid Ave., Cleveland 3, Ohio.)

2-10. Measuring Instruments and Automation, internatl. cong., Düsseldorf, Germany. (Nordwest Deutsche Ausstellungs Gesellschaft, M.B.H., Ehrenhof 4, Düsseldorf.)

3. American College of Dentists, annual, Miami, Fla. (O. W. Brandhorst, 4221 Lindell Blvd., St. Louis 8, Mo.)

3. Society of Vertebrate Paleontology, annual, Philadelphia, Pa. (J. T. Gregory, Peabody Museum, Yale Univ., New Haven, Conn.)

3-9. Pan American Cong. of Pharmacy and Biochemistry, 4th, Washington, D.C. (G. Griffenhagen, Smithsonian Institution, Washington 25.)

4-5. Society of Vertebrate Paleontology, technical sessions, Atlantic City, N.J. (J. T. Gregory, Peabody Museum, Yale Univ., New Haven, Conn.)

4-6. Geological Soc. of America, an-

nual, Atlantic City, N.J. (H. R. Aldrich, GSA, 419 W. 117 St., New York 27.)

4-6. Mineralogical Soc. of America, annual, Atlantic City, N.J. (C. S. Hurlbut, Jr., Dept. of Mineralogy, Harvard Univ., Cambridge 38, Mass.)

4-6. Paleontological Soc., annual, Atlantic City, N.J. (H. B. Whittington, Museum of Comparative Zoology, Harvard Univ., Cambridge 38, Mass.)

4-6. Society of Economic Geologists, annual, Atlantic City, N.J. (H. M. Bannerman, U.S. Geological Survey, Washington 25.)

4-7. American Dental Assoc., annual, Miami, Fla. (H. Hillenbrand, 222 E. Superior St., Chicago 11, Ill.)

6-8. Electronic Techniques in Medicine and Biology, Boston, Mass. (H. S. Kinder, Instrument Soc. of America, 313 Sixth Ave., Pittsburgh 22, Pa.)

7-9. Animal Care Panel, 8th annual, San Francisco, Calif. (R. J. Flynn, ACP, Box 299, Lemont, Ill.)

7-9. Society of Rheology, annual, Princeton, N.J. (W. R. Willets, Titanium Pigment Corp., 99 Hudson St., New York 13.)

10-13. Society of American Foresters, 57th annual, Syracuse, N.Y. (H. Clepper, SAF, 415 Mills Bldg., Washington 6.)

10-13. Xi Sigma Pi, Syracuse, N.Y. (J. R. Parker, School of Forestry, Univ. of Georgia, Athens.)

10-14. Society of Exploration Geophysicists, 27th annual, Dallas, Tex. (J. C. Hollister, Colorado School of Mines, Golden.)

11-13. Radio Fall Meeting, IRE, Toronto, Ont., Canada. (V. Graham, RETMA, 11 W. 42 St., New York 26.)

11-14. American Petroleum Inst., 37th annual, Chicago, Ill. (API, 50 W. 50 St., New York 20.)

11-15. American Public Health Assoc., 85th annual, Cleveland, Ohio. (R. M. Atwater, APHA, 1790 Broadway, New York 19.)

11-15. American Soc. of Professional Biologists, annual, with American Public Health Assoc., Cleveland, Ohio. (A. F. Borg, Dept. of Bacteriology, Kansas State College, Manhattan.)

13-15. American Meteorological Soc., College Station, Tex. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

13-15. Clinical Chemistry Symp., Cleveland, Ohio. (F. E. Bunts Educational Inst., Cleveland, Clinic Foundation, 2020 E. 93 St., Cleveland 6.)

13-15. Standards, 8th national conf., San Francisco, Calif. (American Standards Assoc., 70 E. 45 St., New York 17.)

13-16. Society of Naval Architects and Marine Engineers, 65th annual, New York. (W. N. Landers, SNAME, 74 Trinity Pl., New York 6.)

14-15. Operations Research Soc. of America, Pittsburgh, Pa. (M. L. Ernst, Box 2176, Potomac Station, Alexandria, Va.)

14-16. American Soc. of Refrigerating Engineers, Chicago, Ill. (R. C. Cross, ASRE, 234 Fifth Ave., New York 1.)

17-22. Radiological Soc. of North America, annual, Chicago, Ill. (D. S. Childs, 713 E. Genesee St., Syracuse, N.Y.)



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