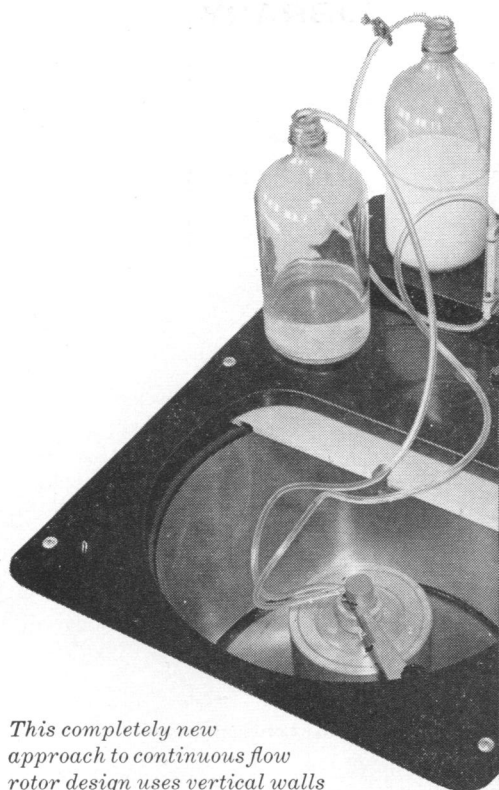


# SCIENCE

28 November 1958

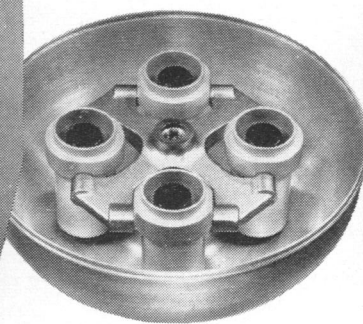
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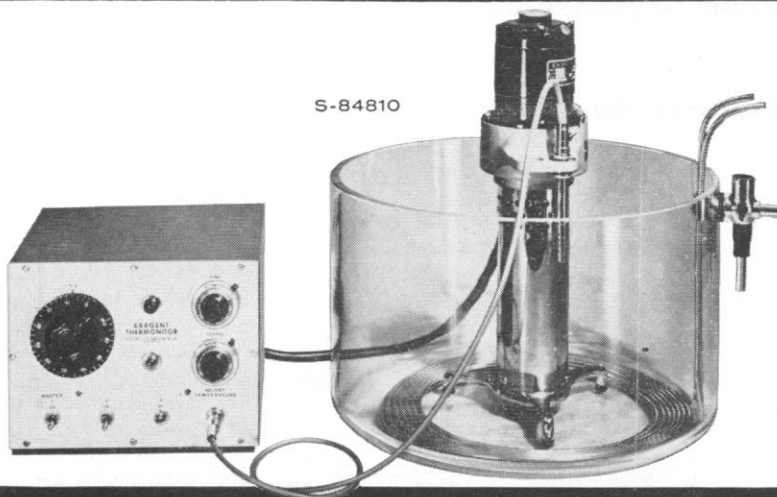
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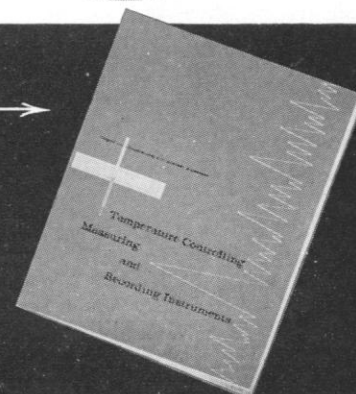
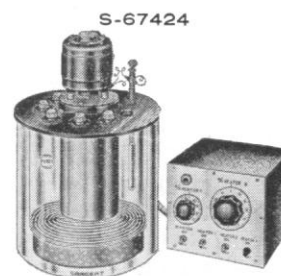
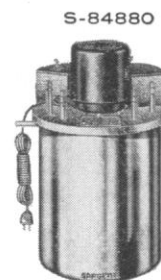
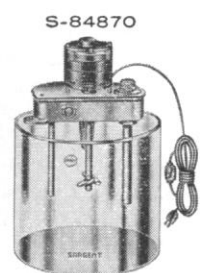
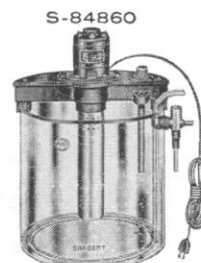
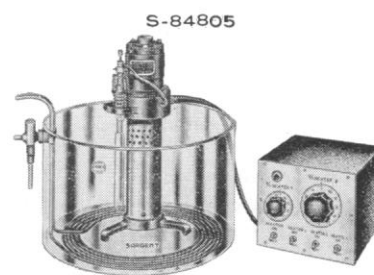
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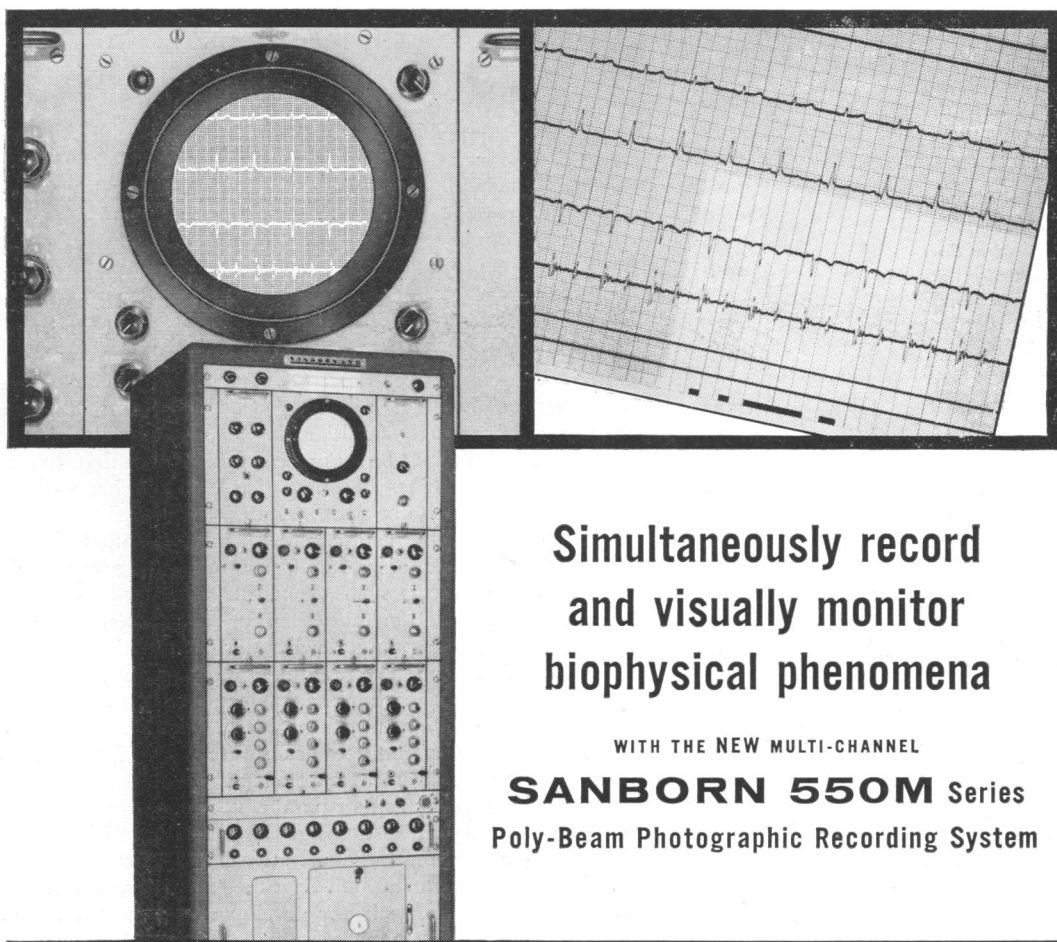
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closed ecological system (William T. Ingram, New York University), atmospheric contaminants and their control (Gerald J. Duffner, Medical Corps, U.S. Navy).

*American Psychiatric Association.* Four-session symposium: "Hallucinations"; arranged by Louis Jolyon West, University of Oklahoma School of Medicine; 27 and 28 Dec.

Part I, Milton Greenblatt, Massachusetts Mental Health Center, presiding. Introduction by Louis Jolyon West. Papers on neurophysiological mechanisms underlying hallucinations (Edward

V. Evarts, National Institute of Mental Health), hallucinations and the reticular formation (Arnold B. Scheibel, University of California at Los Angeles, Medical School), pharmacodynamics of hallucinations (Amedeo S. Marrazzi, Veterans Administration Research Laboratories in Neuropsychiatry), a comparison of drug-induced hallucinations with those seen in spontaneously occurring psychoses (Sidney Malitz, New York State Psychiatric Institute), a comparison of the visual hallucinations in schizophrenia with those induced by mescaline (Irwin Feinberg, National Insti-

tute of Mental Health), hallucinations in neurological syndromes (Maitland Baldwin, National Institute of Mental Health).

Part II: Panel on "Hallucinations in Sensory Deprivation"; Jay T. Shurley, University of Oklahoma School of Medicine, moderating. Panel members are Eugene L. Bliss, University of Utah Medical School; Philip Solomon, Harvard School of Medicine; Jack A. Vernon, Princeton University; Woodburn Heron, McGill University; Sanford Freedman, Massachusetts Mental Health Center; Albert J. Silverman, Duke University School of Medicine; Harold L. Williams, Walter Reed Army Institute of Research; and Thomas I. Myers, Human Relations Research Organization.


Part III, Lawrence C. Kolb, Columbia University College of Physicians and Surgeons, presiding. Papers on hallucinations in schizophrenia and their relation to psychic structures (Arnold H. Modell, Massachusetts Mental Health Center), hallucinations: comments reflecting clinical observations (Otto A. Will, Jr., Chestnut Lodge, Rockville, Md.), mechanisms related to the hallucinogenic effects of Tarexein (Robert G. Heath, Tulane University Medical School), hallucinations in children (Leon Eisenberg, Johns Hopkins University School of Medicine), hypnotically induced hallucinations (Martin Orne, Massachusetts Mental Health Center), the phenomenology of hallucinations (Erwin W. Straus, Veterans Administration Hospital, Lexington, Kentucky).

Part IV, Robert G. Heath, presiding. Papers on tactile hallucinations as a communication (James Clarke Moloney, Birmingham, Michigan), the hallucinations of the mystic (Edward A. Weinstein, Department of Mental Health, St. Thomas, Virgin Islands), phantom sensations, hallucinations, and the body image (Lawrence C. Kolb), the body image in relation to hallucinations (Seymour Fisher, Baylor University School of Medicine), psychophysics, reality, and hallucinations (Sandford Goldstone, Baylor University School of Medicine), a general theory of hallucinations (Louis Jolyon West).

## Dentistry

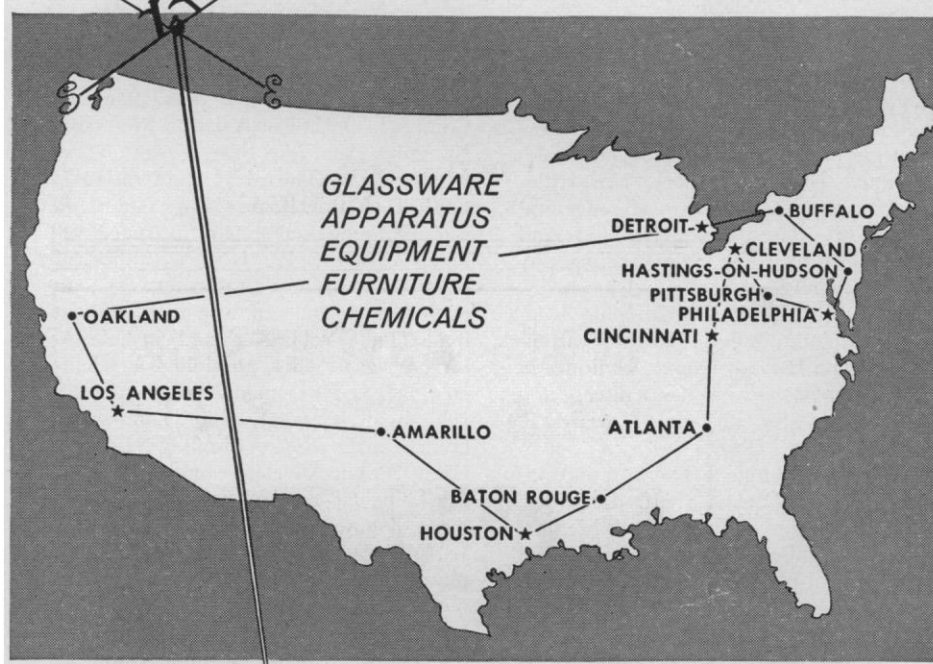
*Section Nd.* Three-session symposium, cosponsored by the American College of Dentists, the American Dental Association, and the International Association for Dental Research, North American Division, and by AAAS Sections F (Zoological Sciences) and N (Medical Sciences): "Calcification in Biological Systems"; 29 Dec.; arranged by Reidar F. Sognnaes, Harvard School of Dental Medicine.

Part I, Roy O. Greep, Harvard School of Dental Medicine, moderating. Speakers will be Gerrit Bevelander, New York



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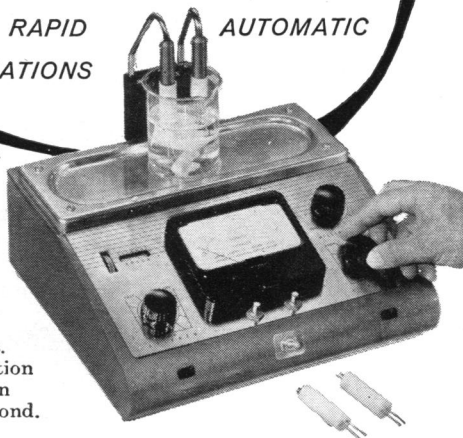


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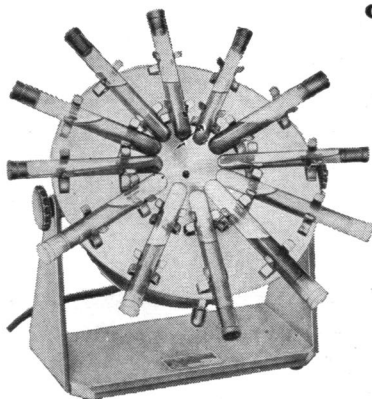
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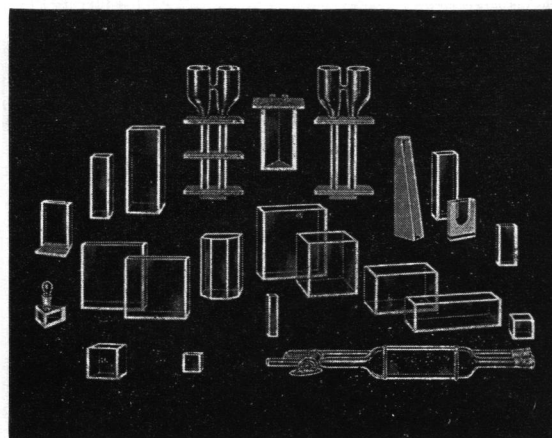
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*Shoreham	all 9.00	all 12.00	all 12.00	20.00-50.00
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*Washington	7.00- 8.00	11.00-12.50	11.00-12.50	24.50-45.00
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Roosevelt	7.00- 9.00		10.00-12.00	18.00-24.00
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Part II, Reidar F. Sognnaes, moderating. Papers will be read by Marvin S. Burstone, National Institute of Dental Research; Robert M. Frank, Institut Dentaire, Strasbourg; Reidar F. Sognnaes; Clive C. Solomons and William F. Neuman, University of Rochester School of Medicine and Dentistry; James T. Irving, South African Council for Scientific and Industrial Research and the University of Witwatersrand; Robert A. Robinson, Johns Hopkins University; Reuben Eisenstein, Richard E. Trueheart, and George M. Hass, University of Illinois College of Medicine; and S. Wah Leung, University of Pittsburgh School of Dentistry.

Part III, Franklin C. McLean, University of Chicago, moderating. Papers will be read by Melvin L. Moss, Colum-

bia University College of Physicians and Surgeons; Paul Goldhaber, Harvard School of Dental Medicine; Karl A. Piez; Jerome Gross, Massachusetts General Hospital; Aaron S. Posner, National Bureau of Standards; and Melvin J. Glimcher, Massachusetts Institute of Technology.

#### Pharmacy

*Section Np.* Vice-presidential address, "The AAAS and Pharmacy," by George F. Archambault, U.S. Public Health Service; 28 Dec.; coordinated by John R. Kenny, Jr., E. R. Squibb and Sons.

Eight sessions, cosponsored by the American Pharmaceutical Association, Scientific Section; the American Association of Colleges of Pharmacy; the American Society of Hospital Pharmacists; the American College of Apothecaries; and the National Association of Boards of Pharmacy.

Contributed papers; arranged by John E. Christian, Purdue University; 27 Dec.; Justin L. Powers, American Pharmaceutical Association, presiding.

Contributed papers on hospital pharmacy; arranged by George F. Archambault, U.S. Public Health Service, and Joseph A. Oddis, American Hospital Association; 28 Dec.; Joseph A. Oddis, presiding.

Contributed papers on hospital pharmacy; arranged by George F. Archambault; Joseph A. Oddis; and William F. Apple, American Pharmaceutical Association; 28 Dec.; George F. Archambault, presiding.

Symposium: "Hospital Pharmacist of the Future"; 28 Dec.; William F. Apple, presiding. Papers will be read by Charles U. Letourneau, Hospital Management Magazine; Charles W. Bliven, George Washington University; Kenneth Nelson, U.S. Public Health Service; and Joseph A. Oddis.

Contributed papers; arranged by John E. Christian; 29 Dec.; Chauncey I. Cooper, Howard University College of Pharmacy, presiding.

Symposium: "Advances in Conquering Cancer"; arranged by George F. Archambault; Joseph A. Oddis; Stuart Sessoms, National Cancer Institute; and Milton Skolaut, National Institutes of Health; 29 Dec.; Stuart Sessoms, presiding. Papers will be read by Stuart Sessoms; T. Phillip Waalkes, National Cancer Institute; Milton Skolaut; and Roderick Murray, National Institutes of Health.

Tours of the National Institutes of Health and the American Institute of Pharmacy have been arranged for 29 Dec.

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## Meetings

### Forthcoming Events

#### December

18-20. American Physical Soc., Los Angeles, Calif. (K. K. Darrow, APS, Columbia Univ., New York 27.)

26-31. American Assoc. for the Advancement of Science, annual, Washington, D.C. (R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington 5, D.C.)

27-29. American Economic Assoc., Chicago, Ill. (J. W. Bell, AEA, Northwestern Univ., Evanston, Ill.)

27-29. Econometric Soc., Chicago, Ill. (R. Ruggles, Box 1264 Yale Station, Yale Univ., New Haven, Conn.)

27-30. American Folklore Soc., New York, N.Y. (MacE. Leach, AFS, Univ. of Pennsylvania, Philadelphia, Pa.)

28-30. Archaeological Inst. of America, Cincinnati, Ohio. (L. A. Campbell, AIA, Dept. of Classics, Brooklyn College, Brooklyn, N.Y.)

29-30. National Council of Teachers of Mathematics, New York, N.Y. (M. H. Ahrendt, NCTM, 1201 16 St., NW, Washington 6.)

28-30. Western Soc. of Naturalists, Seattle, Wash. (J. P. Harville, San Jose State College, San Jose 14.)

#### January

7-9. Northeastern Weed Control Conf., 13th annual, New York, N.Y. (E. R. Marshall, Carbide & Carbon Chemical Co., New York, N.Y.)

12-14. Reliability and Quality Control, 5th natl. symp., Philadelphia, Pa. (W. T. Sumerlin, Philco Corp., 4700 Wissahickon Ave., Philadelphia 44.)

20-22. American Mathematical Soc., annual winter, Philadelphia, Pa. (E. G. Begle, Leet Oliver Hall, Yale Univ., New Haven, Conn.)

21-22. American Group Psychotherapy Assoc., 3rd annual institute, New York, N.Y. (C. Beukenkamp, Public Relations Chairman, 993 Park Ave., New York 28.)

22-23. Mathematical Assoc. of America, 42nd annual, Philadelphia, Pa. (H. M. Gehman, MAA, Univ. of Buffalo, Buffalo 14, N.Y.)

23-24. American Group Psychotherapy Assoc., 16th annual conf., New York, N.Y. (C. Beukenkamp, Public Relations Chairman, 993 Park Ave., New York 28.)

26-29. American Meteorological Soc., New York, N.Y. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

26-29. American Soc. of Heating and Air Conditioning Engineers, 65th annual, Philadelphia, Pa. (W. M. Vidulich, ASHACE, 62 Worth St., New York 13.)

26-29. Institute of the Aeronautical Sciences, 27th annual, New York, N.Y. (IAS, 2 E. 64 St., New York 21.)

27-30. Society of Plastics Engineers, Inc., 15th annual tech. conf., New York, N.Y. (L. A. Bernhard, SPE, 65 Prospect St., Stamford, Conn.)

28-29. Nuclear Fuel Elements, 1st intern. symp., New York, N.Y. (H. H. Hausner, 1st intern. Symp. on Nuclear

Fuel Elements, 730 Fifth Ave., New York 19.)

28-31. American Physical Soc., annual, New York, N.Y. (E. R. Fitzgerald, Dept. of Physics, Pennsylvania State Univ., University Park.)

29-31. Western Soc. for Clinical Research, 12th annual, Carmel-by-the-Sea, Calif. (W. N. Valentine, Office of the Secretary, Univ. of California Medical Center, Department of Medicine, Los Angeles 24.)

#### February

1-6. American Inst. of Electrical Engineers, winter general, New York, N.Y. (N. S. Hibshman, 33 W. 39 St., New York 18.)

9-11. Nature of Coal, symp., Bihar, India. (Director, Central Fuel Research Inst., P. O. Fuel Research Inst., Dhanbad District, Bihar.)

12-13. Solid State Circuits Conf., Philadelphia, Pa. (A. B. Stern, General Electric Co., Bldg. 3, Syracuse, N.Y.)

14. Short Range Navigation Aids, Montreal, Canada. (Intern. Civil Aviation Organization, Maison de l'aviation internationale, Montreal.)

15-19. American Inst. of Mining, Metallurgical, and Petroleum Engineers, annual, San Francisco, Calif. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

16-19. Problems in Field Studies in Mental Disorders, intern. work conf., New York, N.Y. (J. Zubin, American Psychopathological Assoc., 722 W. 168 St., New York 32.)

20-21. Epidemiology in Mental Disorders, annual meeting of the American Psychopathological Assoc., New York, N.Y. (J. Zubin, APA, 722 W. 168 St., New York 32.)

26-28. Genetics and Cancer, 13th annual symp. on fundamental cancer research, Houston, Tex. (Editorial Office, Univ. of Texas, M. D. Anderson Hospital and Tumor Inst. Texas Medical Center, Houston 25.)

27-1. National Wildlife Federation, 23rd annual convention, New York, N.Y. (NWF, 232 Carroll St., NW, Washington 12.)

#### March

1-5. Gas Turbine Power Conf., Cincinnati, Ohio. (O. B. Schier, ASME, 29 W. 39 St., New York, N.Y.)

8-12. Aviation Conf., Los Angeles, Calif. (O. B. Schier, ASME, 29 W. 39 St., New York, N.Y.)

16-20. American Inst. of Chemical Engineers, Atlantic City, N.J. (F. J. Van Antwerpen, AICE, 25 W. 45 St., New York 36.)

16-20. National Assoc. of Corrosion Engineers, 15th annual conf., Chicago, Ill. (NACE, Southern Standard Bldg., Houston, Tex.)

18-25. International Social Science Council, 4th general assembly (by invitation), Paris, France. (C. Levi-Strauss, Secretary-General, International Social Science Council 19, avenue Kleber, Paris.)

(See issue of 21 November for comprehensive list)