

# Meetings and Societies

## Amendment to AAAS Constitution

At the 1957 meeting of the AAAS Council, the Board of Directors will recommend changing the constitution of the Association to include past presidents as members of the Council. The specific change will be an amendment to Article IV, Section 2, which defines the membership and voting privileges of the Council, and will consist of insertion of the words *all past presidents* in the list of officers who serve as members of the Council.

This change is proposed as a means of putting into effect the wishes expressed by the Council last December in instructing the Board to "consider ways by which the interest of the past presidents of the American Association for the Advancement of Science may be maintained and their wisdom and experience utilized to the benefit of the Association."

This announcement is published to accord with the provisions for amending the constitution, which require publication at least one month prior to the December meeting of the Council.

## Programs Planned for the AAAS Indianapolis Meeting

Section and society programs in psychology, the social and economic sciences, history and philosophy of science, industrial science, and science in general, to be presented at the Indianapolis meeting, are given here.

Programs in mathematics, physics, chemistry, astronomy, the earth sciences, biology, engineering, medicine, dentistry, pharmacy, and agriculture have been previously announced.

### Psychology

*Section I.* Symposium: "Human Engineering: Research Planning for Space Flight"; arranged by Walter F. Grether, Wright Air Development Command, who will preside; 27 Dec., morning. "Zero and sub-gravity," John W. Senders, Minneapolis-Honeywell Regulator Company; "Sensory motor performance," George E. Long, Douglas Aircraft Company; "Environmental stress," John Lyman, University of California;

"Social psychology aspects," Donald N. Michael, Dunlap & Associates, Inc.

Vice-presidential address, "Experiments in fear and conflict," by Neal E. Miller, Yale University; 27 Dec., afternoon; Clifford T. Morgan, Johns Hopkins University, presiding.

Symposium: "Psychopharmacology"; arranged by Sherman Ross, University of Maryland, who will preside; 28 Dec., morning. "Drugs and brain functioning," James Olds, University of Michigan; "Drugs and the biochemistry of behavior," Roger W. Russell, American Psychological Association; "Drugs and human perceptual and cognitive functioning," James G. Miller, University of Michigan; "Drugs and the problem of behavioral assessment," Sherman Ross; Discussion, Jonathan O. Cole, National Institute of Mental Health.

Symposium: "Effects of Early Experience on Behavior"; arranged by Austin Riesen, University of Chicago, who will preside; 28 Dec., afternoon. "The significance of environment in prenatal and early postnatal life," William R. Thompson, Wesleyan University; "On the generality of the effects of early experience," Howard F. Hunt, University of Chicago; "Has early visual environment a role in the development of visual discrimination in rats?" Eleanor J. Gibson and Richard D. Walk, Cornell University; Discussion, John Paul Scott, Roscoe B. Jackson Memorial Laboratory, and Seymour Levine, Ohio State University Medical Center.

Symposium: "Contemporary Research on Psycholinguistics"; arranged by Charles E. Osgood, University of Illinois, who will preside; 28 Dec., afternoon. "The perception of speech," Elvin Liverman, University of Connecticut; "Linguistics and the language of children," Roger Brown, Massachusetts Institute of Technology; "Word association as a tool in the analysis of language processes," James J. Jenkins, University of Minnesota; "Comparative psycholinguistics: the cross-linguistic approach," John B. Carroll, Harvard University.

Symposium: "Decision Theory, Signal Detection, and Psychophysics"; arranged by James P. Egan, Indiana University; 29 Dec., morning; W. P. Tanner, University of Michigan, presiding. "A

decision-making theory of signal detection," John A. Swets, Massachusetts Institute of Technology; "Some tests and applications of the decision-theory model," J. C. R. Licklider, Bolt-Beranek and Newman, Inc.; "Operating characteristics in speech communication," James P. Egan.

Symposium: "Problems and Progress in Statistical Learning Theory"; arranged by Cletus J. Burke, Indiana University, who will preside; 29 Dec., afternoon. "Mathematical approaches to psychological problems," Cletus J. Burke; "The role of unobserved responses in two-choice situations: theory and experiment," David L. Laberge, Indiana University; "Effects of learning on perceptual response," Arnold M. Biner, Indiana University; "Models of behavior based on probability," Harry M. B. Hurwitz, University of London.

## Social and Economic Sciences

*Section K.* Symposium, jointly with the National Academy of Economics and Political Science and the American Economic Association, with the collaboration of the National Social Science Honor Society Pi Gamma Mu: "Social Aspects of Urban Agglomeration"; arranged by Donald P. Ray, George Washington University; 27 Dec., evening; Carroll L. Christenson, Indiana University, presiding. "Metropolitan expansion and public administration," Luther H. Gullick, Institute of Public Administration; "Economic implications of urban growth," Coleman Woodbury, University of Wisconsin.

Vice-presidential address, "Statistical programming for problems of urban agglomeration," by Stuart A. Rice, Stuart Rice Associates, 27 Dec., evening.

Contributed papers; 30 Dec., afternoon; Donald P. Ray, George Washington University, presiding.

*AAAS Committee on Social Aspects of Science.* Symposium: "Social Aspects of Science as Illustrated by the Radiation Problem"; 29 Dec., afternoon; Chauncey D. Leake, Ohio State University, presiding. "General introduction to scientific problems with implications for society," Ward Pigman, University of Alabama Medical Center; Comments by members of the committee; "Social aspects of science as illustrated by the radiation problem," Barry Commoner, Washington University; "Technical factors in the radiation problem relating to social aspects of science," Marshall Brucer, Oak Ridge Institute of Nuclear Studies; "Biological factors in the radiation problem as illustrating social aspects of science," Charles L. Dunham, U.S. Atomic Energy Commission; "Medical factors in the radiation problem as related to social aspects of science," William G. Myers, Ohio State University;

Panel discussion by symposium participants and by members of the AAAS Committee on Social Aspects of Science.

*American Political Science Association.* Symposium, jointly with the Midwest Conference of Political Scientists and Section K: "Studies in Electoral Behavior"; arranged by Charles S. Hyne-man, Indiana University, who will pre- side; 29 Dec., morning. "Contesting for office and voter participation: the case of Indiana," James A. Robinson, Ameri- can Political Science Association; "Socio- economic factors and response to po- litical issues in the 1956 presidential election," Warren E. Miller, University of Michigan; Discussion, Jean Driscoll, University of Wisconsin, Frank Munger, Syracuse University, and Philip S. Wilder, Wabash College.

*American Sociological Society.* Sym- posium, jointly with Section K: "Cur- rent Research on Population"; arranged by Vincent H. Whitney, Brown Univer- sity, who will preside; 28 Dec., morning. "Demography as a science," Philip M. Hauser and Otis D. Duncan, University of Chicago; "The reproduction rate in Latin America," T. Lynn Smith, Univer- sity of Florida; "Sterility, contraception, and expected size of white families," Pascal K. Whelpton and Arthur A. Campbell, Miami University, and Ron- ald Freedman, University of Michigan.

*American Statistical Association.* Ad- dress, cosponsored by Section K: "A statistically designed highway experi- ment," by P. E. Irick, AASHO Road Test, Ottawa, Illinois; 28 Dec., morning; H. W. Norton, University of Illinois, presiding. Discussion, C. F. Kossack, Purdue University.

Address, cosponsored by Section K: "Application of a mathematical model in plastic tooling research," by C. R. Hicks, Purdue University; 28 Dec., after- noon; D. L. Cheak, U.S. Naval Ord- nance, presiding. Discussion, E. P. King, Eli Lilly and Company.

*Society for the Advancement of Crimi- nology.* All SAC symposia are being held jointly with the Association for the Psychiatric Treatment of Offenders and the Institute for Research on Crime and Delinquency and are cosponsored by Sec- tion K. Symposium: "Advances in Theo- retical Criminology and Penology"; 27 Dec., morning; Robert H. Gault, North- western University, presiding. "Inter- preting the theory of individualism," Robert H. Gault; "Moral attitudes of American youth," H. H. Remmers, Pur- due University; "Medicolegal approach to narcotic addiction," Morris Ploscowe, Joint American Medical Association and American Bar Association Committee on Drug Addiction; "Peripheral concepts in corrections," Negley K. Teeters, Temple University; "Sex crimes and sex perva- sions," James Reinhardt, University of

Nebraska; "The new penology: fact or fiction," Alfred C. Schnur, Michigan State University.

Luncheon and address: "Wire tap- ping—an objective appraisal," by Donal E. J. MacNamara, New York Institute of Criminology; 27 Dec., noon; Morris Ploscowe presiding.

Symposium: "Advances in Interdisci- plinary Approaches to Crime and De- linquency"; 27 Dec., afternoon; Herbert Bloch, Brooklyn College, presiding. "A critical analysis of the Royal Commis- sion report on prostitution and homo- sexuality," Canio L. Zarrilli, New York Institute of Criminology; "Identifying and treating potential alcoholics," Roger J. Williams, University of Texas; "Anal- ysis of prison disciplinary problems," Vernon Fox, Florida State University; "Selecting and training correctional per- sonnel," Clyde Vedder, University of Arizona; "Problems of sentencing: prac- tices and methods in American criminal courts," Morris Ploscowe; "The treat- ment of patients with behavioral reac- tions in a private mental hospital," Jo- seph Satten, Menninger Clinic.

Symposium on "Police-Crime"; 27 Dec., evening; Nicholas Pansegrouw, In- stitute for Research on Crime and De- linquency, presiding. Film on automobile fires, NATB; Discussion.

Symposium: "Advances in Police Ad- ministration"; 28 Dec., morning; Donal E. J. MacNamara presiding. "Police-fire integration in American cities," Charles James, Public Administration Service; "Metropolitan police districts: pro and con," Joseph Lohmann, sheriff, Cook County, Illinois; "The role of the police- woman in general police work," Lois Higgins, Illinois Crime Prevention Bu- reau; "New Jersey municipal police sur- vey," Donal E. J. MacNamara; "Mod- ern methods in police training," Roland Soule, Southern Police Institute; "An experiment in police personnel selec- tion," John Duffy, New Jersey State Po- lice Laboratory.

Luncheon and address: "Juvenile de- linquency: myth or threat," by Her- bert Bloch, Brooklyn College; 28 Dec., noon; Marcel Frym, Character Under- writers, Inc., presiding.

Symposium: "Advances in Scientific Crime Detection"; 28 Dec., afternoon; Robert Borkenstein, Indiana State Crime Laboratory, presiding. "Extracting flam- mable substances in arson investiga- tions," Joseph Nicol, Michigan State University; "Problems in proving drunk driving," Robert Borkenstein; "A cri- tique of field-laboratory relations in criminal investigations," John Duffy; "Problems in tool mark examinations," Roger S. Greene, California State Bu- reau of Criminal Identification and In- vestigation; "Scientific crime detection versus privacy and civil rights," Donal

E. J. MacNamara; "Criminalistics: the thin line of success," Paul L. Kirk, Uni- versity of California.

## History and Philosophy of Science

*Section L.* Symposium, cosponsored by Section Np and the Philosophy of Science Association: "Can Science Pro- vide an Ethical Code?"; arranged by Lewis K. Zerby, Michigan State Uni- versity; 29 Dec., morning; Hermann J. Muller, Indiana University, presiding. "Physics," Henry Margenau, Yale Uni- versity; "Biology and history of science," Chauncey D. Leake, Ohio State Univer- sity; "Social science and the philosophy of science," Richard Rudner, Michigan State University.

Contributed papers, cosponsored by Section Np and the Philosophy of Sci- ence Association; 29 Dec., afternoon; Norwood Russell Hanson, Indiana Uni- versity, presiding.

Contributed papers, cosponsored by the Philosophy of Science Association; 30 Dec., morning; C. Doris Hellman, Pratt Institute, presiding.

Vice-presidential address, "The his- tory of science and the problem of understanding the science of today," by I. Bernard Cohen, Harvard Univer- sity, 30 Dec., morning.

*Society for General Systems Research.* Symposium: "Organization for Hu- mans, Cells, and Artifacts"; arranged by Richard L. Meier, University of Michigan, who will preside; 27 Dec., morning. "Attempts to generalize theo- rems on internal entropy production," Caxton Foster and Anatol Rapoport, University of Michigan; Presidential address, "Some political implications of general systems," Kenneth E. Boulding, University of Michigan; "Organized sys- tems with discrete information transfer," Manfred Kochen, I.B.M. Research Cen- ter; Discussion.

## Industrial Science

*Section P.* Second Industrial Science Award, 26 Dec., evening; Allen T. Bon- nell, Drexel Institute of Technology, presiding.

Symposium, cosponsored by Section K: "Science, Technology, and General Welfare in a Capitalistic Society"; ar- ranged by Allen T. Bonnell; 27 Dec., morning; Frank C. Croxton, Battelle Memorial Institute, presiding. "Welfare implications of accelerated technologi- cal change," Louis C. McCabe, Re- sources Research, Inc.; "The reconcilia- tion of company profits and public welfare," G. E. Kimball, Arthur D. Little, Inc.; "Pollution control—some of industry's problems and opportunities," Robert Doolittle, Youngstown Sheet and Tube Company.

Vice-presidential address, "The com- panies we keep," by Monroe E. Spaght,

Shell Oil Company, 27 Dec., noon; Frank C. Croxton, presiding.

*Society for Industrial Microbiology, Washington Section.* Symposium, cosponsored by Section P: "Some Areas in Industrial Microbiology"; 28 Dec., afternoon; W. D. Stewart, Atlantic Research Corporation, presiding. Introduction, W. D. Stewart; "Microbiology in the fermentation industries," J. E. McClary, Anheuser-Busch, Inc.; "Microbiologists in the prevention of deterioration," Carl J. Wessel, National Academy of Sciences; "Industrial microbiology in the pharmaceutical industry," J. M. McGuire, Lilly Research Laboratories; "Microbial research in the Bureau of Mines," Walter N. Ezekiel, U.S. Bureau of Mines.

### Science in General

*Conference on Scientific Editorial Problems.* Opening session, cosponsored by the Society of Technical Writers and Editors: "Correlation and Dissemination of Scientific Data"; arranged by William C. Miller, Magnavox Company; 26 Dec., afternoon; Jacques Harlow, Magnavox Company, presiding. Address by the new national president of the Society of Technical Writers and Editors; "Vehicles required for communication in a scientific organization," R. G. Chollar, National Cash Register Company; "Importance of technical report preparation as a communications medium," Paul Robinson, General Electric Company.

"Scientific Translations"; moderated by J. George Adashko, College of the City of New York; 27 Dec., morning. "Research from foreign language periodicals and documents," Ralph E. O'Dette, National Science Foundation; "NIH translation program," Scott Adams, National Institutes of Health; "Making translations available," Herman Henkle, John Crerar Library; "Translating one million words a month," Earl Coleman, Consultants Bureau, New York.

"The Indispensability of the Editorial Function in the Communication of Scientific Information"; 28 Dec., morning; Harry F. Arader, University of Pennsylvania, presiding. "Developing editorial objectivity in the scientist," Joseph D. Chaplin, Philco Corporation; "Communication theory in scientific editing," Andrew W. Bluemle, University of Pennsylvania; "The universality of editorial principles," Christian K. Arnold, Pennsylvania State University.

"Meeting the Challenge in Technical Writing"; cosponsored by the Society of Technical Writers and Editors; arranged by William C. Miller; 28 Dec., afternoon; M. Russell Hill, Campbell-Ewald Company, moderator. "Responsibilities of technical writers for the needs of

technical readers," W. Earl Britton, University of Michigan; "Graphic arts in technical writing," Wayne F. Feldman, Recording and Statistical Corporation; "Relationship between the technical library and technical writing," Herman Henkle.

*Conference on Scientific Manpower.* Two-session symposium, cosponsored by the Engineering Manpower Commission, the Scientific Manpower Commission, the National Research Council, the National Science Foundation, and Section M: "Scientists and Scientific Research in a Changing Economy"; 30 Dec., morning and afternoon. Part I, Robert C. Turner, Indiana University, presiding: "Scientific advance as a factor in economic change," Yale Brozen, Northwestern University; "New and changing activities of scientists," Julian W. Feiss, Kennecott Copper Company; "The support of scientific research," William D. Carey, U.S. Bureau of the Budget; Discussion. Part II, Ralph E. Cleland, Indiana University, presiding: "New dimensions in scientific training," Herbert E. Longenecker, University of Illinois; "Research centers—importance in scientific research and potential for training," Ralph D. Bennett, General Electric Company; "Comparative salary and income level of scientists," Thomas J. Mills, National Science Foundation; Discussion.

### International Ornithological Congress

The National Science Foundation will award grants to defray partial travel expenses for a limited number of American scientists who wish to participate in the 12th International Ornithological Congress, which is scheduled to meet in Helsinki, Finland, 5–12 June 1958. Application blanks, returnable before 20 January 1958, may be obtained from the National Science Foundation, Washington 25, D.C.

### Biophysical Society

The Biophysical Society will hold its 1958 national meeting 5–7 February in Cambridge, Mass. There will be special emphasis this year on "Microsomal particles and their structure and function" and on "Muscle proteins and contractile mechanisms." Several plenary sessions will be devoted to these subjects, and a majority of the specially invited speakers will contribute to these programs. There will, however, be additional special programs at which invited speakers will review progress in other fields of biophysics. Financial support by the National Science Foundation has made it

possible to include among the invited speakers several outstanding scientists from abroad as well as from this country.

About half of the total meeting time will be devoted to short contributed papers in parallel sessions covering a wide range of special areas of biophysics, and for these programs, guests as well as members may offer abstracts. Abstracts of not over 250 words should be sent by 2 December to the secretary, Samuel A. Talbot, Johns Hopkins Hospital, Baltimore, Md., who will supply further information on request.

### Forthcoming Events

#### December

26–30. American Assoc. for the Advancement of Science, annual, Indianapolis, Ind. (R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington 5.)

27. Association for Symbolic Logic, Cambridge, Mass. (J. Barlaz, Rutgers Univ., New Brunswick, N.J.)

27–28. Linguistic Soc. of America, Chicago, Ill. (A. A. Hill, Box 7790, University Station, Austin 12, Tex.)

27–30. American Finance Assoc., annual, Philadelphia, Pa. (G. E. Hassett, Jr., New York Univ., 90 Trinity Pl., New York 6.)

28–29. American Folklore Soc., annual, Chicago, Ill. (M. Leach, Box 5, Bennett Hall, Univ. of Pennsylvania, Philadelphia 4, Pa.)

28–30. American Anthropological Assoc., annual, Chicago, Ill. (W. S. Godfrey, Jr., Logan Museum, Beloit College, Beloit, Wis.)

28–30. American Economic Assoc., annual, Philadelphia, Pa. (J. W. Bell, Northwestern Univ., Evanston, Ill.)

28–30. Archaeological Inst. of America, annual, Washington, D.C. (C. Boulter, 608, Univ. of Cincinnati Library, Cincinnati 21, Ohio.)

28–30. Econometric Soc., Philadelphia, Pa. (R. Ruggles, Dept. of Economics, Yale Univ., New Haven, Conn.)

28–30. History of Science Soc., annual, New York, N.Y. (Miss M. Boas, Brandeis Univ., Waltham 54, Mass.)

#### January

6–8. Reliability and Quality Control, 4th natl. symp., Washington, D.C. (C. M. Ryerson, RCA Bldg. 10–6, Camden 2, N.J.)

7–10. Radioactive Isotopes in Clinical Application and Research) 3rd internatl. symp., Bad Gastein, Austria. (Second Medical Clinic, Vienna Univ., Vienna, Austria.)

8–10. Northeastern Weed Control Conf., 12th annual, New York. (R. J. Aldrich, Farm Crops Dept., Rutgers Univ., New Brunswick, N.J.)

13–17. Society of Automotive Engineers, annual, Detroit, Mich. (Meetings Div., SAE, 29 W. 39 St., New York 18.)

17–18. Blood Symposium, 7th annual, Detroit, Mich. (W. H. Seegers, Dept. of Physiology and Pharmacology, Wayne State Univ. College of Medicine, 1401 Rivard, Detroit 7.)

22–24. American Council of Learned

Societies, 39th annual, Bloomington, Ind. (ACLS, 2101 R St., NW, Washington 8.)

22-25. American Group Psychotherapy Assoc., 15th annual, New York. (M. Berger, 50 E. 72 St., New York 21.)

27-28. Scintillation Counter Symp., Washington, D.C. (G. A. Morton, Radio Corporation of America, Princeton, N.J.)

27-29. American Soc. of Heating and Air-Conditioning Engineers, Pittsburgh, Pa. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

27-30. American Meteorological Soc., 163rd natl., New York. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

27-31. Institute of Aeronautical Sciences, 26th annual, New York, N.Y. (S. P. Johnston, IAS, 2 E. 64 St., New York 21.)

28-30. Aging, 4th Ciba Foundation Colloquium (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

28-30. American Mathematical Soc., 64th annual, Cincinnati, Ohio. (J. H. Curtiss, AMS, 190 Hope St., Providence 6, R.I.)

29-1. American Physical Soc., annual, New York, N.Y. (K. K. Darrow, Columbia Univ., New York 27.)

30-31. College-Industry Conf., American Soc. for Engineering Education, 10th annual, Ann Arbor, Mich. (W. D. McIlvaine, College of Engineering, Ann Arbor.)

30-1. American Assoc. of Physics Teachers, New York. (F. Verbrugge, Univ. of Minnesota, Minneapolis.)

30-1. Western Soc. for Clinical Research, 11th annual, Carmel-by-the-Sea, Calif. (A. J. Seaman, Univ. of Oregon Medical School, Portland 1.)

31. Mathematical Assoc. of America, annual, Cincinnati, Ohio. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

31-1. Problems of Geriatrics, symp. (by invitation only), New York. (B. F. Chow, Johns Hopkins Univ., School of Hygiene and Public Health, 615 N. Wolfe St., Baltimore 5, Md.)

## February

1-14. Pan American Assoc. of Ophthalmology, Caribbean cruise cong., sailing from New York, N.Y. (L. V. Arnold, 33 Washington Sq. W., New York 11.)

3-4. Progress and Trends in Chemical and Petroleum Instrumentation, Wilmington, Del. (H. S. Kindler, Instrument Soc. of America, 313 Sixth Ave., Pittsburgh 22, Pa.)

3-7. American Inst. of Electrical Engineers, winter genl., New York, N.Y. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

10-14. American Soc. for Testing Materials, St. Louis, Mo. (F. F. Van Atta, ASTM, 1916 Race St., Philadelphia 3, Pa.)

16-20. American Inst. of Mining, Metallurgical and Petroleum Engineers, annual, New York. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)

20-21. Transistor and Solid State Circuits Conf., Philadelphia, Pa. (J. H. Mil-

ligan, Jr., Dept. of Electrical Engr., New York Univ., New York 53.)

24-28. American Soc. of Civil Engineers, Chicago, Ill. (W. W. Wisely, ASCE, 33 W. 39 St., New York 18.)

## March

1. Junior Solar Symposium, Tempe, Ariz. (Association for Applied Solar Energy, 3424 N. Central Ave., Phoenix, Ariz.)

5-6. Gas Conditioning Conf., 7th annual, Norman, Okla. (M. L. Powers, Extension Div., Univ. of Oklahoma, Norman.)

6-8. Fundamental Cancer Research, 12th annual, Houston, Tex. (W. K. Sinclair, M. D. Anderson Hospital and Tumor Inst., Univ. of Texas, Houston 25.)

6-8. Optical Soc. of America, annual, New York. (A. C. Hardy, Massachusetts Inst. of Technology, Cambridge 39.)

10-13. American Assoc. of Petroleum Geologists, annual, Los Angeles, Calif. (R. H. Dott, AAPG, Box 979, Tulsa 1, Okla.)

16-21. Nuclear Engineering and Science Cong., Chicago, Ill. (D. I. Cooper, *Nucleonics*, 330 W. 42 St., New York.)

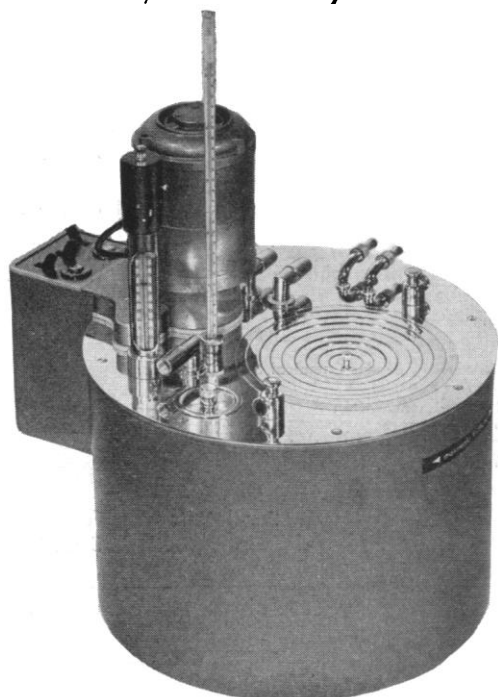
17-21. National Assoc. of Corrosion Engineers, 14th annual, San Francisco, Calif. (NACE, Southern Standard Bldg., Houston 2, Tex.)

18-20. Amino Acids and Peptides, Ciba Foundation symp. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

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