

The congress will be organized into the following sections: mathematical logic; foundations of mathematical theories; philosophy of logic and mathematics; general problems of methodology and philosophy of science; foundations of probability and induction; methodology and philosophy of physical sciences; methodology and philosophy of biological and psychological sciences; methodology and philosophy of social sciences; methodology and philosophy of linguistics; methodology and philosophy of historical sciences; and history of logic, methodology, and philosophy of science.

The proceedings will consist of a number of invited addresses, in addition to brief contributed papers. The closing date for submission of abstracts of contributed papers is 1 March 1960. Information may be obtained by writing to Prof. Patrick Suppes, Serra House, Stanford University, Stanford, Calif.

Forthcoming Events

October

1-4. American Soc. of Industrial Designers, Asheville, N.C. (Mrs. R. R. Larisch, ASID, 15 E. 48 St., New York 17.)

4-7. American Inst. of Mining, Metallurgical and Petroleum Engineers, fall, Dallas, Tex. (E. O. Kirkendall, AIMMPE, 29 W. 39 St., New York 18.)

4-9. Society of Motion Picture and Television Engineers, semi-annual conv., New York, N.Y. (C. S. Stodter, SMPTE, 55 W. 42 St., New York, 36.)

5-7. Aeronautical Communications, 5th symp., Utica, N.Y. (L. G. Cumming, Inst. of Radio Engineers, 1 E. 79 St., New York 21.)

5-7. Chemical Engineers, annual, Essen, Germany. (Dr. Miessner, VDI-Fachgruppe, Verfahrenstechnik, Rheingauallee 25, Frankfurt-am-Main.)

5-7. National Assoc. of Corrosion Engineers, Northeast regional, Baltimore, Md. (T. J. Hull, NACE, 1061 M & M Bldg., Houston, Tex.)

5-8. American Acad. of Pediatrics, Chicago, Ill. (E. H. Christopherson, 1801 Hinman Ave., Evanston, Ill.)

5-9. American Soc. of Anesthesiologists, Bal Harbour, Fla. (J. W. Andes, 188 W. Randolph St., Room 1101, Chicago, Ill.)

5-9. Audio Engineering Soc., 11th annual, New York, N.Y. (AES, P.O. Box 12, Old Chelsea Station, New York 11.)

5-10. Society of Automotive Engineers, aeronautical meeting and aircraft manufacturing forum, Los Angeles, Calif. (R. W. Crory, Meetings Operation Dept., SAE, 485 Lexington Ave., New York 17.)

5-16. Institute of the Aeronautical Sciences, biennial Anglo-American conf., New York, N.Y. (R. R. Dexter, IAS, 2 E. 64 St., New York 21.)

6. American Assoc. of Poison Control Centers, 2nd annual, Chicago, Ill. (A. S. Blank, AAPCC, Connecticut State Dept. of Health, Hartford 15.)

6-8. Aeronautical/Astronautical Problems of High Speed Flight, Stanford,

Calif. (E. Haynes, Deputy Director, Aero Sciences Directorate, Air Force Office of Scientific Research, Washington 25.)

6-9. High Temperature Technology, intern. symp., Asilomar, Calif. (Public Relations Office, Stanford Research Inst., Menlo Park, Calif.)

7-8. Advanced Propulsion, 2nd symp. (classified), Boston, Mass. (Lt. Col. P. Atkinson, Propulsion Div., Air Force Office of Scientific Research, Washington 25.)

7-9. Vacuum Technology, symp., Philadelphia, Pa. (American Vacuum Soc., Box 1282, Boston, Mass.)

7-11. International Conv. on Nutrition and Vital Substances, 5th, Konstanz-Zurich, Switzerland. (Secretary General, Benmeroderstrasse 61, Hannover-Kirchrode, Germany.)

8-10. American Assoc. of Textile Chemists and Colorists, natl. conv., Washington, D.C. (G. P. Paine, AATCC, P.O. Box 28, Lowell, Mass.)

8-10. American Ceramic Soc., Bedford, Pa. (F. P. Reid, ACS, 4055 N. High St., Columbus 14, Ohio.)

8-10. American Soc. of Tool Engineers, semi-annual, St. Louis, Mo. (H. E. Conrad, ASTE, 10700 Puritan Ave., Detroit 38, Mich.)

8-10. Biology of Pyelonephritis, intern. symp., Detroit, Mich. (E. L. Quinn, Henry Ford Hospital, W. Grand Blvd. at Hamilton, Detroit 2.)

8-10. Optical Soc. of America, annual, Ottawa, Canada. (S. S. Ballard, Dept. of Physics, Univ. of Florida, Gainesville.)

9-13. American Soc. of Civil Engineers, Los Angeles, Calif. (E. S. Kirkpatrick, ASCE, 33 W. 39 St., New York 18.)

11-16. American Acad. of Ophthalmology and Otolaryngology, Chicago, Ill. (W. L. Benedict, 15 Second St., SW, Rochester, Minn.)

11-16. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

11-16. American Soc. for Testing Materials, Pacific area natl., San Francisco, Calif. (R. J. Painter, ASTM, 1916 Race St., Philadelphia 3, Pa.)

12-14. Clay Conf., 8th natl., Norman, Okla. (C. G. Dodd, Eighth Natl. Clay Conf., University of Oklahoma, Norman.)

12-14. Electronics Conf., 15th annual natl., Chicago, Ill. (NEC, 228 N. La Salle St., Chicago 1, Ill.)

12-16. Macromolecules, intern. symp. (IUPAP), Wiesbaden, Germany. (W. Mauss, Intern. Symp. on Macromolecules, c/o Kalle & Co., Rheingaustrasse 25, Wiesbaden-Biebrich, Germany.)

12-19. Venereal Diseases, intern. cong. (by invitation), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

13-17. International Union against the Venereal Diseases and the Treponematoses, London, England. (Institut Alfred Fournier, 25, Boulevard Saint-Jacques, Paris 14^e, France.)

14-16. Parenteral Drug Assoc., annual conv., New York, N.Y. (H. E. Boyden, Parenteral Drug Assoc., 130 E. 59 St., New York 22.)

(See issue of 21 August for comprehensive list)

New Products

The information reported here is obtained from manufacturers and from other sources considered to be reliable, and it reflects the claims of the manufacturer or other source. Neither Science nor the writer assumes responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 582.

■ **TEMPERATURE CONTROLLER** for high-power applications controls 140 kva if water-cooled ignitrons are used or 50 kva if air-cooled types are used. The regulator includes an electronic controller and an ignitron firing circuit. By varying the firing angle of the ignitrons, the controller proportionally regulates the load power. (Research Inc., Dept. 18)

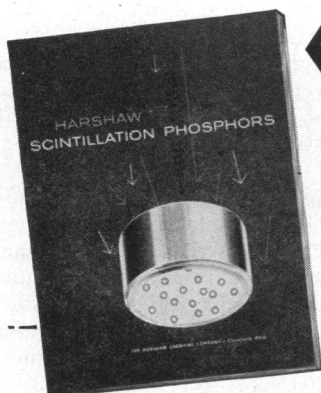
■ **VOLTAGE-TO-FREQUENCY CONVERTER** accepts d-c input voltage from 0 to 1000 v in four ranges and provides corresponding frequency output from 0 to 10,000 cy/sec. Input impedance is 1 megohm shunted by 200 pf. Accuracy of ± 0.1 percent of full scale is claimed. Signals of either polarity may be measured. A mercury cell within the instrument permits calibration. (Dymec Inc., Dept. 21)

■ **WELDER** can be used to put taps onto single turns of potentiometer windings made of 0.0005-to-0.008-in. wire. A thin ribbon material is used to obtain connections with low terminal resistance. A built-in ohmmeter and an electronic metering circuit produce an audible signal to indicate the correct turn to which the weld is to be made. (Ewald Instruments, Dept. 23)

■ **SIGNAL GENERATOR** covers the frequency range 125 kcy to 175 Mcy/sec in calibrated bands, both modulated and unmodulated. Crystal-controlled frequencies are provided on harmonics up to 250 Mcy/sec. Output is metered from 0.1 to 10^6 μ v without external attenuation. (Hickok Electrical Instrument Co., Dept. 24)

■ **BALL REBOUND TESTER** tests resilience of foamed plastic by dropping a steel ball $\frac{5}{8}$ in. in diameter onto the sample and measuring the rebound. The steel ball is released in a clear plastic vertical tube by an electromagnet. Circles scribed on the tube aid in estimating rebound height. (Custom Scientific Instruments, Dept. 25)

■ **AMINO-ACID ANALYZER** performs analysis of over 20 amino acids in less than 24 hr. Results are said to be consistent within ± 2 to 3 percent. The instrument separates the amino acids, carries out the Ninhydrin reaction on the effluent, and records the optical density photometrically. Temperature is controlled within $\pm 0.2^\circ\text{C}$. Output can be read to



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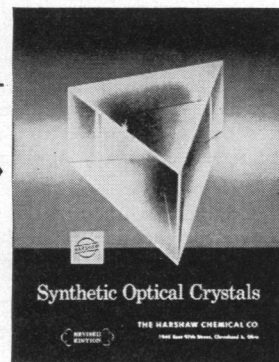
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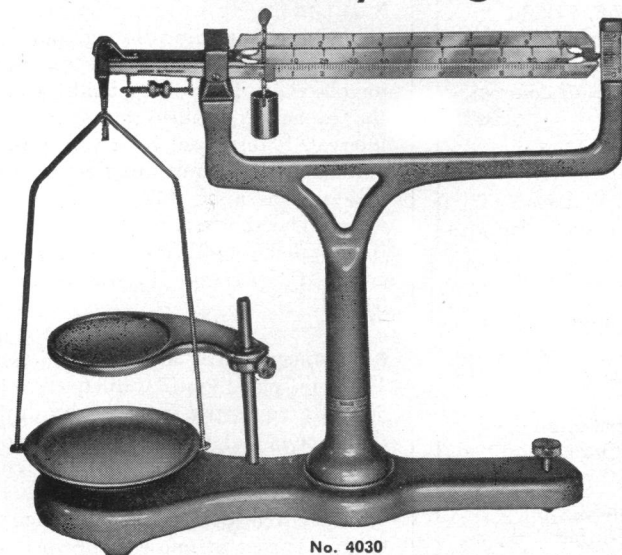
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0.001 optical density units. Three photometers are used, two at 570 mμ and one at 440 mμ for maximum accuracy over a wide range of concentrations and for a variety of amino acids. (Beckman Instruments, Inc., Dept. 27)

■ SILICONE RUBBER POTTING COMPOUND is color-coded for identification of encapsulated materials. The compound is supplied as a pourable liquid suitable for either dipping or knife coating. Setting time is 25 min. The fully cured material retains its resiliency to -70°F. (Plastic Associates, Dept. 30)

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■ FLUORIDE REAGENT permits colorimetric microdetermination of fluoride in 15 to 20 min. The reagent, lanthanum chloranilate, is supplied as a stable powder, certified for sensitivity to fluorides, to be added by the user directly to a buffered solution containing the fluoride. The manufacturer guarantees sensitivity to 0.5 parts per million when absorbance is measured at 340 mμ. Precision and accuracy of approximately ±1 percent are claimed. Acetate, sulfate, nitrate, chloride, bromide, and iodide ions or carbonates do not interfere. (Fisher Scientific Co., Dept. 33)

■ TIME-INTERVAL METER operates by charging a capacitor through an electronic gate controlled by the events being observed. The voltage built up across the capacitor, a measure of the time interval, is displayed by a vacuum-tube voltmeter. Eight measuring ranges from 0.3 to 1000 msec, full scale, are provided. The shortest measurable interval is said to be 0.005 msec, full-scale accuracy ±2 percent. (Presin Co., Dept. 34)

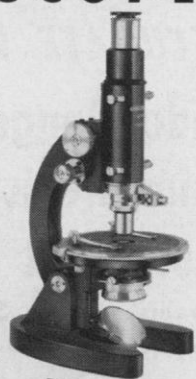
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Effective this year, the former General Program-Directory, which had become an unwieldy book of more than 400 pages, has been separated into **two** publications, namely:

- a) The Directory of AAAS Officers and Activities, 96 pp., already published; and
- b) The General Program of the Annual Meeting, c. 200 pp., which will appear early in December.

Both of these, sold at cost, may be purchased separately—in advance (see coupon below), or at the meeting. Some of their *respective* contents are:

The General Program

1. The two-session general symposium, "Moving Frontiers of Science IV," arranged by the Committee on AAAS Meetings.
2. Programs of the 18 AAAS sections (symposia and contributed papers).
3. Programs of the more than 70 participating societies.
4. Sessions of the Conference on Scientific Communication, Conference on Scientific Manpower, and the Academy Conference.
5. The Special Sessions: AAAS Address and Reception, National Geographic Society, Phi Beta Kappa, Sigma Xi, RESA, Tau Beta Pi Association.
6. Details of the Morrison Hotel—center of the Meeting—and of the other session sites.
7. Titles of the latest foreign and domestic scientific films to be shown in the AAAS Science Theatre.
8. Exhibitors in the 1959 Annual Exposition of Science and Industry and descriptions of their exhibits.

The Directory

1. AAAS officers, staff, committees for 1959.
2. Section committees and other AAAS Council members.
3. The 285 affiliated organizations.
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5. Complete roll of AAAS presidents and their fields.
6. Publications of the Association, including all symposium volumes.
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