

Meetings

Forthcoming Events

October

6-8. Society of Experimental Test Pilots, annual symp., Los Angeles, Calif. (SETP, 44919 N. Cedar Ave., Lancaster, Calif.)

6-10. American Assoc. of Textile Chemists and Colorists, natl. conf., Philadelphia, Pa. (G. P. Paine, AATCC, P.O. Box 28, Lowell, Mass.)

8. Helminthological Soc. of Washington, 50th, College Park, Md. (Publicity Committee, HSW, Animal Disease and Parasite Research Branch, ARS, U.S. Department of Agriculture, Beltsville, Md.)

9-13. Electrochemical Soc., Houston, Tex. (Electrochemical Soc., 216 W. 102 St., New York 25)

9-14. American Acad. of Ophthalmology and Otolaryngology, Chicago, Ill. (W. L. Benedict, 15 Second St., S.W., Rochester, Minn.)

10-12. Human Factors and Bioastronautics, conf., Dayton, Ohio. (J. J. Harford, American Rocket Soc., 500 Fifth Ave., New York 36)

10-12. Industrial Health, cong., Charlotte, N.C. (Council on Occupational Health, AMA, 535 N. Dearborn St., Chicago 10, Ill.)

10-12. National Electronics, conf., Chicago, Ill. (T. F. Jones, Jr., School of EE, Purdue Univ., Lafayette, Ind.)

10-12. Operations Research Soc. of America, natl., Detroit, Mich. (H. J. Miser, ORSA, Research Triangle Inst., 505 W. Chapel Hill St., Durham, N.C.)

10-14. American College of Surgeons, San Francisco, Calif. (W. E. Adams, 40 E. Erie St., Chicago 11, Ill.)

10-14. American Soc. of Civil Engineers, Boston, Mass. (W. H. Wisely, ASCE, 33 W. 39 St., New York 18)

11-13. Applications of Nuclear Energy, conf., Karlsruhe, Germany. (Ing. Küpfmüller, Deutsches Atomforum, Friedrichstr. 2 III, Düsseldorf, Germany)

11-13. Synthetic Rubber, 2nd intern. symp., London, England. (Rubber and Plastics Age, Gaywood House, Great Peter St., London, S.W.1)

11-14. Audio Engineering Soc., 12th annual conv., New York, N.Y. (H. F. Olson, RCA Laboratories, Princeton, N.J.)

11-14. Inelastic Scattering of Neutrons in Solids and Liquids, symp., Vienna, Austria. (International Atomic Energy Agency, 11 Kärntner Ring, Vienna 1)

12-13. American Vacuum Soc., 7th natl. symp., Cleveland, Ohio. (AVS, Box 1281, Boston 9, Mass.)

12-14. Astronautics, 3rd annual symp., Los Angeles, Calif. (Maj. G. Colchagoff, Propulsion Div., Air Force Office of Scientific Research, Washington 25)

12-14. Gaseous Electronics, 13th annual conf., Monterey, Calif. (N. L. Oleson, U.S. Naval Postgraduate School, Monterey)

12-14. Nuclear Reactor Chemistry, conf., Gatlinburg, Tenn. (C. D. Susano, Oak Ridge National Lab., P.O. Box Y, Oak Ridge, Tenn.)

13-15. Academy of Psychosomatic Medicine, Philadelphia, Pa. (B. B. Moss, 55 E. Washington, Chicago 2, Ill.)

13-14. Engineering Writing and Speech, natl. symp., Chicago, Ill. (M. Whitmer, Admiral Corp., 3800 W. Cortland St., Chicago 47)

13-15. Optical Soc. of America, Boston, Mass. (M. E. Wurga, OSA, 1155 16 St., N.W., Washington 6)

14-15. Society of Photographic Scientists and Engineers, symp., Washington, D.C. (F. M. Brown, Photomechanisms, Inc., Box 67, Huntington Station, N.Y.)

15. American Soc. of Safety Engineers, annual, Chicago, Ill. (A. C. Blackman, ASSE, 5 N. Wabash Ave., Chicago 2)

15-16. American Acad. of Psychotherapists, 5th annual conf., Cleveland, Ohio. (B. J. Barkley, 1856 Coventry Rd., Cleveland Heights 18, Ohio)

16. American College of Dentists, Los Angeles, Calif. (O. W. Brandhorst, 4236 Lindell Blvd., St. Louis 8, Mo.)

16-22. High-Speed Photography, 5th intern. cong., Washington, D.C. (V. H. Allen, Soc. of Motion Picture and Television Engineers, 55 W. 42 St., New York 36)

16-22. Society of Motion Picture and Television Engineers, semi-annual conv., Washington, D.C. (C. S. Stodter, SMPTE, 55 W. 42 St., New York 36)

17-18. Basic Science in France and the

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New York 16

United States, symp., New York, N. Y. (S. Roth, Office of Research Services, New York Univ., Washington Square Center, New York 3)

17-19. Adaptive Control Systems, symp., New York, N.Y. (H. Levenstein, W. L. Maxon Corp., 260 W. 34 St., New York)

17-19. American Oil Chemists' Soc., fall, New York, N.Y. (W. C. Ault, U.S. Dept. of Agriculture, Philadelphia 18, Pa.)

17-20. American Acad. of Pediatrics, Chicago, Ill. (E. H. Christopherson, 1801 Hinman Ave., Evanston, Ill.)

17-20. American Dental Assoc., Los Angeles, Calif. (H. Hillenbrand, ADA, 222 E. Superior St., Chicago, Ill.)

17-21. Neutron Pile Research, symp., Vienna, Austria. (International Atomic Energy Agency, 11 Kärntner Ring, Vienna 1)

17-22. Diagnosis and Treatment of Acute Radiation Injury, Geneva, Switzerland. (World Health Organization, Palais de Nations, Geneva)

17-26. Plastics Processing, intern. cong. and exhibition, Amsterdam and Utrecht, Netherlands. (Secretariat, c/o N. V. 't Raedthuys, Tesselschadestraat 5, Amsterdam-W, Netherlands)

18. Oak Ridge Inst. of Nuclear Studies, Oak Ridge, Tenn. (W. G. Pollard, Box 117, Oak Ridge)

18-20. Mathematical Optimization Techniques, symp., Berkeley, Calif. (R. M. Oliver, Dept. of Industrial Engineering, Univ. of California, Berkeley 4)

18-21. American Dietetic Assoc., 43rd annual, Cleveland, Ohio. (M. L. Ross, Simmons College, The Fenway, Boston 15, Mass.)

19-20. American Geophysical Union, Moscow, Idaho. (A. N. Sayre, U.S. Geological Survey, Washington 25, D.C.)

19-21. Design of Experiments, 6th conf. (by invitation only), Aberdeen Proving Ground, Md. (F. G. Dressel, Office of Ordnance Research, Box CM, Duke Station, Durham, N.C.)

19-21. Space Navigation, symp., Columbus, Ohio. (Institute of Radio Engineers, 1 E. 79 St., New York 21)

19-26. Measuring Techniques and Automation, 2nd intern. cong., Düsseldorf, Germany. (Nordwestdeutsche Ausstellungs-Gesellschaft, Ehrenhof 4, Düsseldorf)

20-21. Hypervelocity, symp., Denver, Colo. (R. R. Dexter, IAS, 2 E. 64 St., New York 21)

20-22. Acoustical Soc. of America, San Francisco, Calif. (V. Salmon, Stanford Research Inst., Menlo Park, Calif.)

20-22. Institute of Management Sciences, 7th intern., New York, N.Y. (J. Townsend, IMS, 30 E. 42 St., New York 17)

21-22. Association of Midwestern College Biology Teachers, 4th annual, Mankato, Minn. (L. Zell, Mankato State College, Mankato, Minn.)

21-22. Research Approaches to Psychiatric Problems, symp., Galesburg, Ill. (T. T. Tourlentes, Galesburg State Research Hospital, Galesburg)

21-25. American Heart Assoc., annual, St. Louis, Mo. (AHA, 44 E. 23 St., New York 10)

(See issue of 19 August for comprehensive list.)

New Products

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Neither Science nor the writer assumes responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to the manufacturer. Include the department number in your inquiry.

■ **DIGITAL PRESSURE GENERATOR** provides selectable pneumatic pressure outputs said to be accurate to ± 0.05 percent. To obtain a desired output, a selector switch is turned that activates a precise oscillator. The difference between the reference frequency thus selected and the frequency output of a pressure pickup furnishes an error signal that is used to actuate valves to adjust manifold pressure. Pressure ranges from 0 to 5 to 0 to 1000 lb/in.² with incremental steps of either 10 or 25 percent of range are available. Intermediate pressures can be obtained by plugging in an external oscillator. (Wiancko Engineering Co., Dept. Sci726A, 255 N. Halstead Ave., Pasadena, Calif.)

■ **EXPLOSIVE-ACTUATED VALVE** for liquids or gases is insensitive to back pressure by virtue of balanced piston design. The normally closed valve is rated at 4200 lb/in.² and operating temperature range -65 to $+160^{\circ}\text{F}$. Flow passage is $5/32$ in. and weight is 2.6 oz. (Pyro-netics, Dept. Sci727A, 11973 E. Slanson, Santa Fe Springs, Calif.)

■ **PUNCHED-TAPE PROGRAMMER** uses 2-in.-wide tape with 1 in. for punched information and 1 in. for corresponding printed information. A bidirectional drive system employs detent action for positioning tape. Contacts are spring-loaded, gold-plated pins. A 1-in. section within 250 ft. of stored tape is read at each position. Storage reels are self-contained. (Electronic Engineering Co. of California, Dept. Sci756, 1601 E. Chestnut Ave., Santa Ana, Calif.)

■ **CATHODE FOLLOWER** has a frequency range of 0.02 cy to 1 Mcy/sec. Input impedance is 5000 megohms, and output resistance is 290 ohms. Gain is 0.98, and output noise level $75 \mu\text{v}$. The unit is capable of reproducing a 25-volt pulse with $0.4 \mu\text{sec}$ rise time and $1.0 \mu\text{sec}$ decay time. (Columbia Research Laboratories, Dept. Sci772, MacDade Blvd. and Bullens Lane, Woodlyne, Pa.)

■ **EXPLOSION TEST CHAMBER** is designed for temperature operation to $+200^{\circ}\text{F}$ and altitudes to 10^5 ft. The explosive atmosphere is propane gas or gasoline. Operating pressure is 300 lb/in.² A sampling chamber permits check of the explosiveness of the fuel mixture prior to test. (Itemco Inc., Dept. Sci776, 18 Beechwood Drive, Port Washington, N.Y.)