24-26. Aging, 10th conf., Ann Arbor, Mich. (Div. of Gerontology, Univ. of Michigan, Rackham Bldg., Ann Arbor.)

24-26. American Soc. of Heating and Air-Conditioning Engineers, Murray Bay, Quebec, Canada. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

24-27. Agricultural Inst. of Canada, with six other Canadian agricultural socs., annual, Vancouver, B.C. (W. J. Anderson, Dept. of Agricultural Economics, Univ. of British Columbia, Vancouver.)

24-28. American Inst. of Electrical Engineers, summer general, Montreal, Quebec, Canada. (N. S. Hibshman, AIEE, 33 W. 39 St., New York 18.)

24-28. Scientific Management, 11th internatl. cong., Paris, France. (Internatl.

Committee of Scientific Management, 57, rue de Babylone, Paris 7e.)

24-29. Cosmical Gas Dynamics, 3rd symp. (by invitation), Internatl. Union of Theoretical and Applied Mechanics, Cambridge, Mass. (J. M. Burgers, Univ. of Maryland, College Park.)

25-27. Max Planck Soc. for the Advancement of Science, annual general assembly, Lübeck, Germany. (Max Planck Soc. for the Advancement of Science, Kaiserwertherstrasse 164, Dusseldorf, Germany.)

25-28. American Dairy Science Assoc., 51st annual, Stillwater, Okla. (H. F. Judkins, 32 Ridgeway Circle, White Plains, N.Y.)

25-28. American Home Economics As-

soc., St. Louis, Mo. (Miss M. Horton, AHEA, 1600 20 St., NW, Washington 9.)

30-1. National Education Assoc., annual, Philadelphia, Pa. (W. G. Carr, NEA, 1201 16 St., NW, Washington 6.)

July

1-3. Reproduction and Infertility, 3rd symp., Fort Collins, Colo. (F. X. Gassner, Colorado State Univ., Fort Collins.)

1-6. Brazilian Soc. for the Advancement of Science, 9th annual, Rio de Janeiro, Brazil. (Sociedade Brasileira Para o Progresso da Ciencia, Caixa Postal 2926, São Paulo, Brazil.)

1-6. Industrial Medicine, 12th internati. cong., Helsinki, Finland. (L. Noro, Inst. of Occupational Health, Huapalahdenkatu 1, T8818, Helsinki.)

2-4. Neurological Basis of Behavior, Ciba Foundation Symp. (by invitation only), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1.)

2-6. Physical Problems of Color Television, internatl. symp. of IUPAP, Paris, France. (Secretary, Colloque International sur les Problèmes de la Télévision en Couleurs, Conservatoire National des Arts et Métiers, 292, rue Saint-Martin, Paris 3°.)

3-6. Current Problems in Crystal Physics, conf. IUPAP and NSF, Cambridge, Mass. (J. S. Slater, Massachusetts Inst. of Technology, Cambridge 39.)

8-10. Astrophysical Symp., 8th internl., Liége, Belgium. (P. Swings, Institut d'Astrophysique, Université de Liége, Liége.)

8-10. Endocrine Aspect of Breast Cancer, Internatl. conf., Glasgow, Scotland. (A. P. M. Forrest, Dept. of Surgery, Western Infirmary, Glasgow, W.1.)

8-12. Inter-American Cong. of Philosophy, 5th, Washington, D.C. (R. M. Chisholm, Brown Univ., Providence, R.I.)

8-12. Poliomyelitis Conf., 4th internatl., Geneva, Switzerland. (Secretariat, 4th International Poliomyelitis Conference, Hotel du Rhone, Geneva.)

9-11. Biological Symp., 8th annual, Univ. of Michigan, Ann Arbor. (B. L. Baker, Dept. of Anatomy, Univ. of Michigan, Ann Arbor.)

9-13. European Molecular Spectroscopy Conf., Freiburg, Breisgau, Germany. (R. Mecke, Dept. of Physical Chemistry, Univ. of Freiburg, Freiburg.)

9-13. International Cong. for the Study of Social Insects, Paris, France. (G. Richard, International Union for the Study of Social Insects, Faculty of Sciences, University of Rennes, Rennes, France.)

10-12. Thermodynamic and Transport Properties of Fluids, conf., IUPAC, London, England. (Institution of Mechanical Engineers, 1, Birdcage Walk, Westminster, London, S.W. 1.)
10-17. International Union of Crystal-

10-17. International Union of Crystallography, 4th genl. assembly, Montreal, Canada. (G. A. Jeffrey, Chemistry Dept., Univ. of Pittsburgh, Pittsburgh 13, Pa.)

11-13. Applied Cytology, European Symp., Brussels, Belgium. (Secretary, Comm. on International Cong., American Cancer Soc., 521 W. 57 St., New York 19, N.Y.)

14-19. International Assoc. of Geron-



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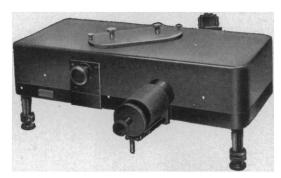






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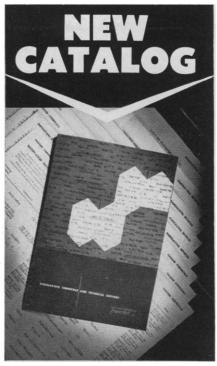
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tology, Merano, Italy. (A. I. Lansing, Dept. of Anatomy, Univ. of Pittsburgh, Pittsburgh 13, Pa.)

14-20. Clinical Pathology, 4th internatl. cong., Brussels, Belgium. (M. Welsch, Service de Bacteriologie et de Parasitologie, Université de Liége, Blvd. de la Constitution, Liége, Belgium.)

15-18. Biochemistry of Lipids, International Colloquium, Oxford, England. (Dr. Sinclair, Laboratory of Human Nutrition, Oxford.)

15-19. Institute on College Administration, annual, Ann Arbor, Mich. (A. D. Henderson, 2442 U.E.S., Univ. of Michigan, Ann Arbor.)

16-19. American Malacological Union, annual, New Haven, Conn. (Miss M. C. Teskey, P.O. Box 238, Marinette, Wis.)

16-24. International Cong. for Pure and Applied Chemistry, 16th, Paris, France (R. Morf, Secy. Genl., IUPAC, Sandoz, S.A., Basel, Switzerland.)

20-21. Medical-Sociological Aspects of Senile Nervous Diseases, internatl. symp., Venice, Italy. (S. N. Feingold, Jewish Vocational Service of Greater Boston, 70 Franklin St., Boston 10, Mass.)

21-28. Neurological Sciences, 1st internatl. cong., Brussels, Belgium. (P. Bailey, National Institutes of Health, Bethesda 14, Md.)

23-24. Modern Electrochemical Methods of Analysis, Internatl. symp., Paris, France. (G. Charles, Ecole Superieure de Physique et de Chimie, 10, rue Vauquelin, Paris 5e.)

25-26. Structure Properties Relationships of Polymers (IUPAC), Paris, France. (International Union of Pure and Applied Chemistry, 4, Avenue de l'Observatoire, Paris 6e.)

25-29. Protein Chemistry Symp., IUPAC, Paris, France. (J. Roche, College de France, Place Marcellin Berthelot, Paris 5e.)

26-27. Experimental Psychology and Animal Behavior Section of International Union of Biology, Brussels, Belgium. (H. S. Langfeld, Dept. of Psychology, Prince-

ton Univ., Princeton, N.J.) 26-27. Linguistic Soc. of America, Ann Arbor, Mich. (A. A. Hill, Box 7790, University Station, Austin 12, Tex.)

26-27. Military Psychology, internatl. symp., Brussels, Belgium. (National Academy of Sciences, 2101 Constitution Ave., NW, Washington 25.)

26-1. International Congress on Nutrition, 4th, Paris, France. (Quatrième Congrès International de Nutrition, CNERNA, 71, boulevard Péreire, Paris 17e.)

28-1. Psychoanalysis, 20th internatl. cong., Paris, France. (Dr. Nacht, 187, rue Saint-Jacques, Paris 5.)

28-3. Psychology, 15th internatl. cong., Brussels, Belgium. (L. Delys, 296, avenue des Sept Bonniers, Forest-Bruxelles.)

31-5. International Assoc. for Hydraulic Research, Lisbon, Portugal, (M. Coelho Mendes da Rocha, Laboratorio Nacional de Engenharia Civil, Avenida do Brasil, Lisbon.)

31-6. Dermatology, 11th internatl. cong., Stockholm, Sweden. (C. H. Floden, Hudkliniken, Karolinska Sjukhuset, Stockholm 60.)

(See issue of 17 May for comprehensive list)

EQUIPMENT NEWS

The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to Science, Room 740, 11 W. 42 St., New York 36, N.Y. Include the name(s) of the manufacturer(s) and the department number(s).

- WAVEFORM GENERATOR, manufactured by Servomax Controls Ltd. for the low frequency range, provides 37 basic output waveforms, including sine, triangle, sawtooth, pulse, square, and trapezoid, as well as ramp and step functions. Dynamic frequency range is greater than 1 million to 1, with an absolute accuracy of ±2 percent. Output may be continuously varied from 150 to 100 v peak-topeak in six ranges. Sine waves may be generated at 500 to 0.0005 cy/sec. Pulse duration is variable from 1 m sec to 1000 sec with rise time, 10 to 90 percent of less than 5 usec. (British Industries Corp., Dept. S327)
- ROTATING-CYLINDER VISCOMETER is designed for making viscosity measurements at shear rates as low as 0.2 sec-1 without extrapolation. Electrostatic forces are used to supply restoring torque. (Polarad Electronics Corp., Dept. S323)
- NUCLEAR-RADIATION SPECTROMETER consists of a linear pulse amplifier, a pulseheight analyzer, a ratemeter, and a highvoltage power supply. The pulse-height analyzer has a recovery time of 0.4 sec and covers the range of 1 to 100 v with 0.1-percent linearity and with a stability of better than 0.1 v for a 20-percent change in line voltage. An automatic scanner with scan times of 1/4, 1/2, 1, 2, and 4 hours is included as an accessory. (Mt. Sopris Instrument Corp., Dept. S334)
- CHROMATOGRAPH may be used for qualitative or quantitative separation of compounds with boiling points from 20° to 400°C. The sample is injected by a 0.25-ml syringe through a silicone-rubber gasket. Temperature may be increased 2°C per minute and maintained to ±1°C. Interchangeable columns and a variety of column packings, as well as models with or without recorders, are available. (Wilkens Instrument and Research, Inc., Dept. S335)
- SOLAR FURNACE provides a tool for exposing material to 3500°C over a circular area of 0.6 cm diameter without contamination from sample containers or furnace walls. The basic component is a parabolic mirror 60-in. in diameter. The front reflecting surface of the mirror is coated with stellite. A viewing port at

the back of the reflector permits insertion of instruments. The sample can be moved in three orthogonal directions and can be tested in controlled atmospheres or in vacuum. Temperature control is accomplished by shielding. The sun can be tracked manually by sighting in a collimating tube and using sensitive potentiometers to correct the basic speed of the motors that rotate the reflector. Automatic-tracking and temperature-control devices can be furnished. (Arthur D. Little, Inc., Dept. S339)

- PRESSURE BALANCE is rated to 60,000 lb/in.² with accuracy better than 1 in 10,000, sensitivity 1 in 100,000, and reproducibility 1 in 20,000. The balance includes a measuring cylinder and piston, a piston-rotating mechanism, and a weight-carrying system. Rotation of the piston above a critical speed reduces friction to less than 1 g. Ten different cylinders are used for the range to 60,000 lb/in.² Pressure measurements are made with the piston rotated by its own inertia and the motive power disengaged. (Philips Electronics, Inc., Dept. S340)
- CROSSBAR-SWITCH SCANNER is capable of scanning 200 points in sequence, one point per input pulse. The 200 points are arranged in 10 groups of 20 points each. Skipping of a group, return to the beginning, and stop at the end of a group can be accomplished by automatic command. Contact resistance is 0.02 ohm; thermoelectric potentials are less than 0.01 v in the range 25° to 50°C; leakage resistance is as much as 10¹² ohm. (James Cunningham, Son and Co. Inc., Dept. S328)
- DEAD-WEIGHT TESTER uses air as the pressure medium. Pressure calibration is achieved by balancing controllable air pressure against the force generated by a weighted piston. When the piston is lifted and held in suspension by air pressure, a pressure known in terms of mass and area is established. This provides calibration pressure for devices under test. Friction between cylinder and piston is dispelled by rotation of the piston. The unit can be evacuated to function as an absolute device. (Consolidated Electrodynamics Corporation, Dept. S352)
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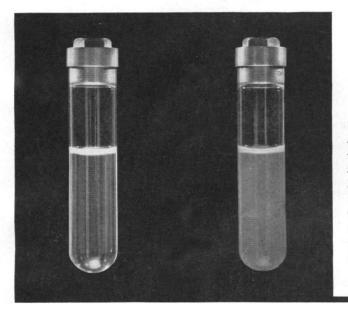
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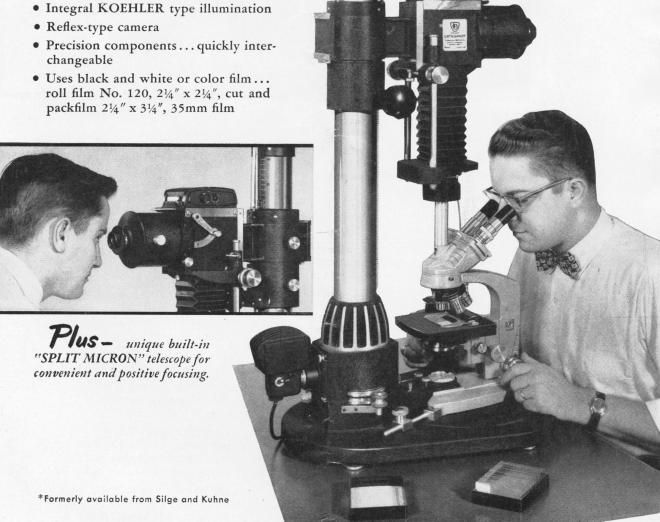
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