7–11. Technical and Industrial Communications Inst., Fort Collins, Col. (Chairman, Dept. of English and Modern Languages, Colorado State Univ., Fort Collins.)

7–12. Nuclear Physics, intern. cong., IUPAP, Paris, France. (C.I.P.N., Institut du Radium, II, rue Pierre Curie, Paris 5e.)

8–11. Institute of the Aeronautical Sciences, summer, Los Angeles, Calif. (S. P. Johnston, IAS, 2 E. 64 St., New York 21.)

9–15. Zoological Nomenclature Colloquium, London, England. (F. Hemming, 28 Park Village East, Regent's Park, London, N.W.1.)

10–14. Research Methods in Soil Zoology, colloquium, Harpenden, Hertfordshire, England. (P. W. Murphy, Rothamsted Experimental Station, Harpenden.)

15–22. Association Française pour l'Avancement des Sciences, 77th cong., Namur, Belgium. (AFAS, 28, rue Serpente, Paris VIe, France.)

15–23. Educational Treatment of Deafness, Intern. cong., Manchester, England. (A. W. G. Ewing, Dept. of Education of the Deaf, Univ. of Manchester, Manchester 13.)

16–23. Zoology, 15th Intern. cong., London, England. (H. R. Hewer, c/o British Museum of Natural History, Cromwell Road, London, S.W.7.)

21–24. High Polymer Conf., Intern., Nottingham, England. (Conference Secretariat, Dept. of Scientific and Industrial Research, Charles House, 5–11, Regent St., London, S.W.1.)

24–25. Computers and Data Processing, 5th annual symp., Denver, Col. (Electronics Div., Denver Research Inst., Univ. of Denver, Denver 10.)

25–29. Chromatic Discrimination in Animals and Man, ICSU symp., Paris, France. (H. Pieron, Collège de France, Place Marcelin-Berthelot, Paris 5e.)

28–30. Regulation of Cell Metabolism, Ciba Foundation symp. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

28–2. Home Economics, 9th intern. cong., College Park, Md. (Congress Director, American Home Economics Assoc., 1600 20 St., NW, Washington 9.)

28–8. Statistical Summer Seminar, Dedham, Mass. (I. Weiss, Bell Telephone Labs., North Andover, Mass.)

August

7–9. Electron Microscope Soc., annual, Los Angeles, Calif. (C. M. Schwartz, Battelle Memorial Inst., 505 King Ave., Columbus 1, Ohio.)

10–16. Radiation Research, intern. cong., Burlington, Vt. (H. M. Patt, Argonne National Lab., P.O. Box 299, Lemont, Ill.)

13–15. Electronic Standards and Measurements Conf., Boulder, Colo. (J. F. Brockman, National Bureau of Standards, Boulder.)

13–19. Seaweed Symposium, 3rd Intern., Galway, Ireland. (C. O. hEocha, Chemistry, Department, University College, Galway.)

13–20. International Astronomical Union, 10th general assembly, Moscow, U.S.S.R. (P. Th. Oosterhoff, IAU, Leiden Observatory, Leiden, Netherlands.)

Equipment

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. A coupon for use in making inquiries concerning the items listed appears on page 1302.

■ LINEAR RATE METER converts randomly spaced input pulses into an average count-rate per minute. Count rate is indicated in seven linear ranges or in a logarithmic scale. The latter permits initial estimates over a range of 30 to 300,000 count/min to guide selection of the optimum linear scale. Output is available for operation of a chart recorder. (Technical Associates, Dept. 75)

■ NUCLEAR-MAGNETIC-RESONANCE SPECTROMETER achieves improved resolution and increased sensitivity by operating in the 60-Mcy/sec frequency range instead of the 40-Mcy/sec range. This change is made possible by the development of a new magnet producing a field of 14,000 gauss with the same absolute field uniformity and stability as the previously used 9400-gauss field. Additional features of the new instrument are reduced sensitivity to room- and water-temperature fluctuations and the capability of operating over a wide range of field strengths. (Varian Associates, Dept. 77)

■ PROJECTION METER combines a meter movement, 0- to 1-ma d-c in a standard instrument, and a projector as a unit. The instrument is used on the lecture table along with associated equipment. The meter movement is protected from heat by being located at the bottom of the instrument. Interchangeable scales are available in many ranges. Scale length at projection distance of 6.5 ft is 30 in. (Williamson Development Co., Inc., Dept. 79)

■ FREQUENCY CHANGER provides power of variable frequency for equipment drawing up to 100 va. Frequency range is 45 to 2000 cy/sec. An auxiliary input permits use of an external signal of precise frequency to control the output frequency. Input voltage range is 105 to 125 v at 45 to 65 cy/sec. Output voltage is 0 to 135 v with ± 1 percent regulation for line or load variations. Distortion is 1 percent maximum over the output range 75 to 125 v at temperatures from 0 to 40°C ambient. (Sorensen and Co., Inc., Dept. 80)

■ PULSE-HEIGHT ANALYZER scans continuously between base-line settings of 0 and 100 v, with a complete scan representing 20 in. of recorder paper travel. Chart speed may be varied from 7.5 to 240 in./hr. The instrument combines a direct-writing strip-chart recorder, a linear amplifier and single-channel pulse-height

analyzer, and a rate meter with scale ranges of 300 to 100,000 counts/min. The rate meter permits selection of 1, 3, or 10 percent probable error range. (Technical Measurement Corporation, Dept. 57)

■ TEMPERATURE RECORDER, requiring no external power source, is said to be resistant to shock and vibration and to provide measurement accuracy ± 1 percent of range. A spring-wound chart drive provides 8-day operation. (Partlow Corp., Dept. 66)

■ COPYING MACHINE ADAPTER permits seismograph records of width up to 14-in. and of indefinite length to be copied continuously by the "Thermofax" process at approximately 0.25 ft/sec. The adapter is placed in front of the copying machine for use. No installation is required. (Minnesota Mining and Manufacturing Co., Dept. 67)

■ AUTOMATIC TITRATOR can cover a wide variety of titrations, including those involving *p*H and dead-stop end-points. The results of the titration are presented in digital form or as a chart record. The instrument consists of three interconnected units: a titration-control unit containing end-point circuits; a sequence-control unit; and a burette unit, including sampling devices, reaction vessel, meniscus-finding mechanism, and record presentation system. Devices are available for sampling a continuous source or for individual samples. Alternative amplifiers are suitable for *p*H, redox, and similar titrations and for dead-stop titrations. The latter is sensitive enough for use of 0.1*N* iodine solutions. The burette, of 50-, 25-, or 10-ml capacity, is read by a photoelectric meniscus follower. Results, in the form of typed record, include volume of titrant, time of titration, and other information, as desired. Adjustments are provided to permit recording of actual answer rather than volume of titrant. (Baird & Tatlock Ltd., Dept. 74)

■ GAUSSMETER utilizes the Hall-effect principle to measure magnetic flux up to 50,000 gauss in static or a-c fields. Nine full-scale ranges are provided to cover the total range. Accuracy is ± 3 percent. Two standard magnets, calibrated to ± 1 percent, are furnished for calibration at 1000 and 5000 gauss. The instrument uses transistors throughout. (Radio Frequency Laboratories, Inc., Dept. 72)

■ DIGITAL DISPLAY CONVERTER attaches to decimal counters that display each decimal digit on a vertical array and translates to an in-line display. The device operates photoelectrically, reading the illuminated indicators on the face of the counter; thus it can be used with counters that do not have circuit termination provision for in-line read-out matrix decoding. (Radio Frequency Laboratories, Inc., Dept. 73)

■ MICROPROJECTOR can project the image of a microslide object on a horizontal table top or a vertical screen. In either mode of operation, slides are held horizontally so that fluids can be studied. The unit weighs 10 lb and stands 27 in. high. (Herrick Machine Works, Dept. 70)

■ OXIDATION UNIT permits determination of oxygen absorbed by rubber, plastics, or other materials on exposure to air or oxygen. Fourteen sample tubes, each equipped with a gas buret and leveling bulb, are provided. The tubes and burettes are thermostated to ± 0.1°C; temperature is adjustable to 400°C. (G. F. Bush Associates, Dept. 69)

■ PRINTING COUNTER counts up to 500 count/min. Print-out to five digits, on paper tape, is initiated by means of a push button on the unit or by means of a remotely located contact closure. Print-out may automatically reset the counter, or cumulative totals may be carried. (Royson Engineering, Dept. 68)

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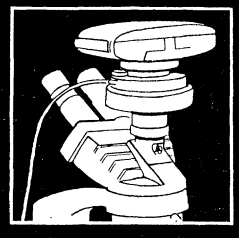

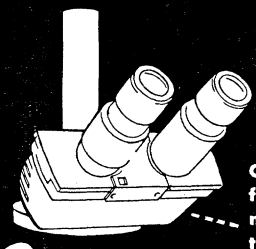

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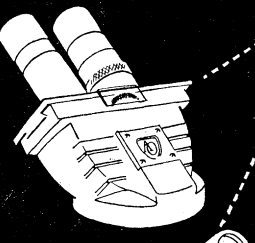

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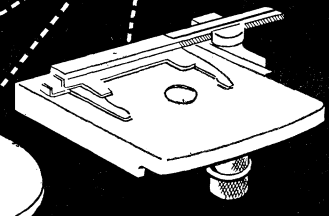

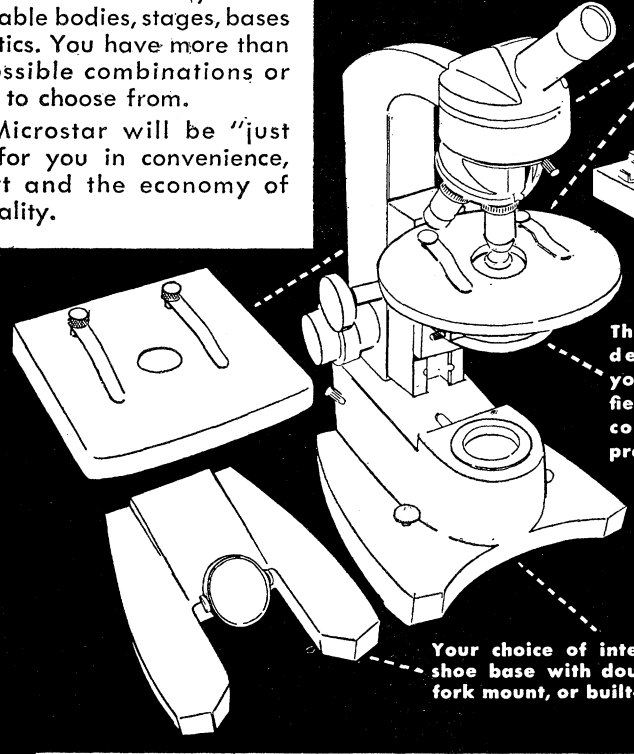

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