

11-16. American Chemical Soc., 138th annual, New York, N.Y. (A. T. Winstead, ACS, 1155 16th St., NW, Washington 6)

11-16. Illuminating Engineering Soc., natl. technical conf., Pittsburgh, Pa. (A. D. Hinkley, IES, 1860 Broadway, New York 23)

12-13. International Conf. on Trichinellosis, Warsaw, Poland. (Z. Kozar, Polish Parasitological Soc., Zaklad Parazytologii, PAN, Warszawa, Pasteura 3, Poland)

12-14. Entomological Soc. of Canada—Entomological Soc. of Saskatchewan, annual joint meetings, Saskatoon, Sask., Canada. (L. L. Reed, ESC, K. W. Neatby Bldg., Carling Ave., Ottawa, Canada)

12-15. Atomic Masses, intern. conf., Hamilton, Ontario, Canada. (H. E. Duckworth, Dept. of Physics, McMaster Univ., Hamilton)

12-15. Society of Automotive Engineers, Milwaukee, Wis. (R. W. Crory, SAE, Meetings Operation Dept., 485 Lexington Ave., New York 17)

12-16. International Council of the Aeronautical Sciences, 2nd intern. cong., Zurich, Switzerland. (J. B. Bidwell, Inst. of the Aeronautical Sciences, 2 E. 64 St., New York 21)

12-17. World Federation of Occupational Therapists, Sydney, Australia. (Liverpool School of Occupational Therapy, Victoria Rd., Huyton, Liverpool, England)

13-14. Bionics, symp., Dayton, Ohio. [Commander, Wright Air Development Division, Attention: WWRDA (Maj. J. E. Steele, Wright-Patterson Air Force Base, Ohio)]

13-15. Instruments and Measurements, 5th intern. conf., Stockholm, Sweden. (Tekn. Lic. Helge von Koch, Kungl. Tekniska Högskolan, Stockholm 70)

14-15. Aspects of Internal Irradiation of Mammals, Saratoga, Wyo. (T. F. Dougherty, Univ. of Utah, Salt Lake City)

14-16. Tube Techniques, 5th natl. conf., New York, N.Y. (D. Slater, College of Engineering, Research Div., New York Univ., 346 Broadway, New York 13)

15-16. Engineering Management Conf., 8th annual, Chicago, Ill. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18)

15-17. Radio Soc. of Great Britain, natl. convention, Cambridge, England. (Secretary, RSGB Convention Committee, 37 Metcalfe Rd., Cambridge, England)

16-18. Cori's Ester and Phosphorylated Glucides, 1st intern. symp., Milan, Italy. (Segreteria Organizzativa del 1st Symposium Internazionale sull'estere di Cori e sui glucidi fosforilati, Via Modica 6, Milan)

16-21. European Cong. on Infantile Neuro-Psychiatry, Paris, France. (G. Be-laubre, 14 rue Drouot, Paris)

16-22. World Medical Assoc., Berlin, Germany. (General Secretary, WMA, 10, Columbus Circle, New York 19)

18-21. Forensic Pathology, 2nd intern., New York, N.Y. (C. Larsen, Tacoma General Hospital, Tacoma 5, Wash.)

18-25. Inter-European Cong. of Cardiology, 3rd, Rome, Italy. (V. Puddu, Clinica, Medica, Università-Policlinico, Rome)

19-21. Space Electronics and Telemetry, 5th natl. symp., Washington, D.C. (H. W. Royce, Glenn L. Martin Co., Mail Stop H-2035, Baltimore 3, Md.)

(See issue of 29 July 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.

■ **ANGULAR MOTION TRANSDUCER** is sensitive to a rotation of 0.012 deg and has a range of ± 3 to ± 5 deg. The magnified input of an angular motion actuates a wiper that moves across a potentiometer producing a d-c output signal. The unit is completely sealed. Flat frequency response to 30 cy/sec is said to have been observed. Life expectancy is said to be over 100,000 cycles. (Bourns Inc., Dept. Sci683, P.O. Box 2112, Riverside, Calif.)

■ **BURETTE** is made from precision bore tubing with a free-riding hollow glass piston accurately fitted to the bore. According to the manufacturer, the burette is capable of accuracy better than ± 0.02 percent. The free piston system provides automatic zero when filling. A movable rod in the top assembly permits adjustment of the zero point. The scale, graduated in 0.1-ml subdivisions, is linear, permitting use of a vernier for reading. (Kern Laboratory Supply Co., Dept. Sci690, 2611 Exposition Blvd., Los Angeles, Calif.)

■ **VOLTAGE REFERENCE** is said to be equivalent in accuracy to the best unsaturated standard cells. While the source is a zero current drain instrument it can be operated into any impedance or short circuited without damage. Power input is 90 to 135 volts, 60 cy/sec, 25 v-amp. Output is 1.0000 and 1.0185 volts. Accuracy is said to be ± 0.01 percent of nominal with certification of actual output to ± 0.001 percent. Temperature range for this accuracy is 15° to 35°C. (Sensitive Research Instrument Corp., Dept. Sci693, 310 Main St., New Rochelle, N.Y.)

■ **DUAL-GUN STORAGE TUBE** is said to have a minimum resolution of 1200 lines per diameter. Stored signals can be held for many hours, read several thousand times, or erased in a fraction of a second. Decay of the display can be controlled at half-life times between 3 sec and 10 min. (Raytheon Co., Dept. Sci694, 55 Chapel St., Newton, Mass.)

■ **BUBBLE DETECTOR** operates by passing a pulsed ultrasonic signal through the liquid under observation which is flowing between transmitter and receiver heads. The presence of bubbles weakens or interrupts the signal. Individual bubbles are detected and the strength of the output signal varies with both size and number of bubbles. Minimum detect-

able bubble size is 0.001 in. in diameter. Output is 0 to 4 ma into 2500 ohms. Response time is less than 0.1 sec for 63-percent response. (Taylor Instrument Co., Dept. Sci695, 95 Ames St., Rochester 1, N.Y.)

■ **FLAME PHOTOMETER** monitors chloride ion in boiler feed water by measuring sodium normally associated with the chloride ions. Normal range is 0.1 to 10 parts per thousand million. The instrument consists of an optical unit and a control panel. The optical assembly houses a sample manifold, burner, monochromator, and multiplier phototube; the control panel houses a high-voltage supply, amplifier, automatic standardizing system, sample sequence selector, and recorder. The sample manifold may accommodate up to five sample streams. (Waters Associates, Dept. Sci692, 45 Franklin St., Framingham, Mass.)

■ **RECORDER** of strip-chart, self-balancing, potentiometer type is said to be accurate within ± 0.25 percent of full scale or $\pm 20 \mu\text{v}$, whichever is greater, without necessity for standardization. A single mercury cell serves as reference voltage. Chart width is 250 mm with 1-second full-scale pen travel. Standard range is 125 mv. Seven other ranges from 1.0 to 50 mv are interchangeable by means of plug-in resistors. Standard chart speed is 1 in./min with eight speeds from 1/60 to 12 in./min available by interchange of motor. Zero displacement is adjustable over full chart width. (E. H. Sargent & Co., Dept. Sci702, 4647 W. Foster, Chicago 30, Ill.)

■ **CAPACITANCE METER** is a transistorized instrument that displays capacitance and dissipation factor digitally. Two test frequencies are provided, 120 and 1000 cy/sec. Four ranges at each frequency cover capacitance from 10 pf to 999.9 μf and dissipation factor from 0.001 to 0.999. Average measurement time is 1 second. Output is provided in the form of decimal contact closures as well as visually. (Electro Instruments, Inc., Dept. Sci698, 3540 Aero Court, San Diego 11, Calif.)

■ **LABORATORY HOT PLATE** with 3-in. diameter top incorporates a thermostatic control unit that provides stepless selection of temperature from 6°C above ambient to 370°C. A built-in anticipatory sensing device is said to assure negligible overshoot in initial heatup, with temperature thereafter constant within $\pm 3^\circ\text{C}$. Temperature of 370°C is reached in 9 minutes from cold start. (Thermo Electric Manufacturing Co., Dept. Sci703, 568 Huff St., Dubuque, Iowa)

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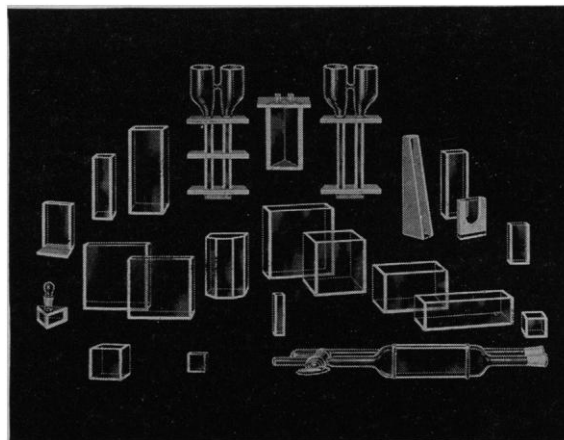
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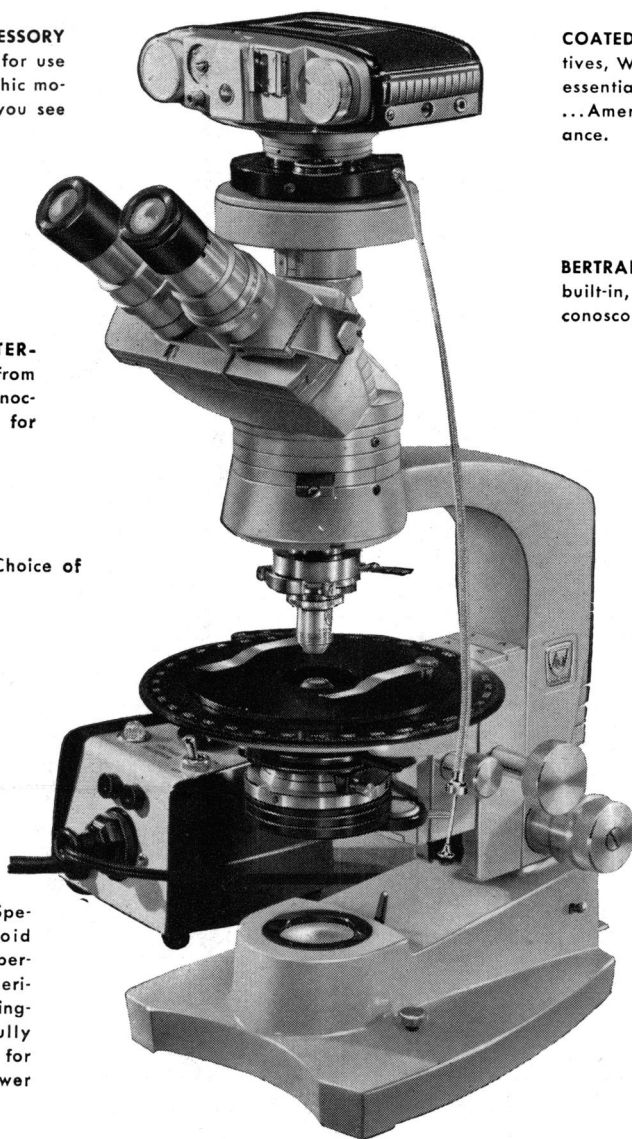
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