perature control to ± 0.5°C is provided by a hydraulic thermostat. A removable hood with built-in heater, fan, and thermostat permits operation with hot air instead of water. (Labline Inc., Dept. 397)

- **TWO-ELEMENT RECORDER** uses ink or electric writing in rectangular coordinates. Frequency range is d-c to 200 cy/sec. Eighteen chart speeds, from 0.5 cm/hr to 20 cm/sec, are available. Sensitivity is 200 ma r.m.s. (full-scale). Nominal impedance is 1000 ohm. The recorder is designed for 19-in. rack mounting. (Massa Laboratories, Inc., Dept. 393)

- **FLOWMETER** utilizes electromagnetic induction to produce an a-c voltage proportional to flow. The output signal is measured by a potentiometer-type indicator-recorder. Accuracy is ± 1 percent of full scale if maximum flow velocity is above 3 ft/sec and ± 3 percent if maximum velocity is 1 ft/sec. Reproducibility is ± 0.5 percent of full scale. (Fischer and Porter Co., Dept. 398)

- **OPTICAL GONIOMETER** enables measurement of the interfacial angles of crystals. The goniometer is a two-circle instrument of simplified design capable of accuracy of ± 3 min of arc. It is designed for use by chemists in identifying crystalline materials. (Arthur S. LaPine and Co., Dept. 399)

- **LIQUID AGITATION APPARATUS** consists of a stainless-steel oval enclosure in which are housed a synchronous motor and speed control mechanism. A platform 11 in. in diameter, mounted tiltably on the motor, carries 12 test tubes. Rotational speeds are 15 to 80 cy/min. Platforms designed to hold other types of containers are interchangeable. (New Brunswick Scientific Co., Dept. 401)

- **EXPLOSIVE ACTUATOR** is designed to be threaded into place with accurate positioning. The end of the device is closed with a copper diaphragm that will extend 1/16 in. upon actuation. Gaseous products of explosion are retained within the device after actuation. (Holex Inc., Dept. 402)

- **GYRO-TEST TURNTABLE** is designed for testing low-drift gyros in either open or closed loop. Tilting permits drift tests on polar, vertical, inverse vertical, and horizontal axes. Accuracy of the rotation dial is 2 sec of arc. Gearing and slip rings are completely enclosed. A two-speed synchro table-rotation transmitting system is available for remote recording. (Sterling Precision Corp., Dept. 403)

**Joshua Stern**

National Bureau of Standards
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