COMBINATION METER AND AMPLIFIER covers 15 voltage ranges from 100 μV to 1000 V and ten current ranges from 100 μA to 100 mA. The instrument can also be used as a d-c amplifier with up to 80-db gain and high input impedance. Output impedance is less than 2 ohm. Drift after warmup is less than 10 μV. Accuracy is ±3 percent on all ranges. (Kin Tel, Dept. S441)

ATOMIC FREQUENCY STANDARD, called the "Atomicchron," features a long-time output stability of 1/108 and provides output frequencies of approximately five, ten, and 100 Mcy/sec accurate to 3/108. The instrument is based on the resonance frequency. Model 1101 lower-accuracy, and lower-priced, version of the previous model 1001 which is stable to 5/1010. (National Co., Inc., Dept. S442)

STABLE PLATFORM provides a central reference from which heading, roll, and pitch angle information may be obtained. The three-gimbal platform weighs approximately 50 lb and occupies 3.75 ft2. The platform is referenced to a magnetic north indicator with provision for free operation during flights in the vicinity of the poles. (Dynamics Corp. of America, Dept. S443)

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"RADIO PILL," a plastic capsule 1½ in. long and 0.4 in. diameter, is a frequency-modulated transmitter designed for research in the intestinal tract. The capsule is swallowed and, as it passes through the body, its transistor oscillator transmits a signal that is frequency modulated by pressure. The signals are picked up outside the body and recorded. The position of the pill is traced by fluoroscopy and can be changed by applying magnetic forces from outside the body. Modification for temperature sensing is under development. (Radio Corporation of America, Dept. S447)

ULTRASONIC PROBE for calibration of ultrasonic equipment has a range of 2 kcy/sec to 2 Mcy/sec. The probe is said to cause only minimum disturbance of the acoustic field being measured. Two models are available, one calibrated at 500 kcy/sec, and the other at five points, 40, 300, 500, 700, and 1000 kcy/sec, to an accuracy of ±2 db. (Gulton Industries, Dept. S452)

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