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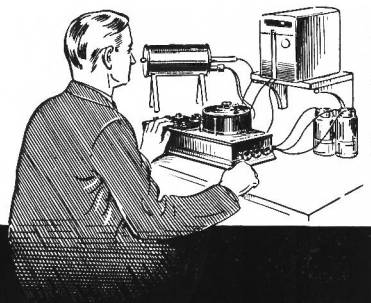
Science

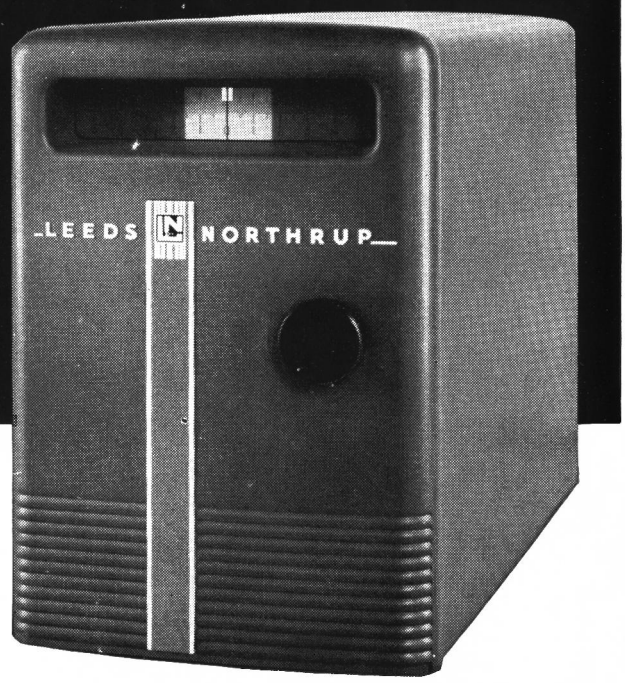
Assembly of Synchrotron Condenser Unit

(See *page* 339)



NEW SERIES L&N GALVANOMETERS:
COMPACT, SHORT PERIOD, GOOD SENSITIVITY

L & N Reflecting Galvanometer Type E



This new, completely different, Type E Galvanometer has its moving system, magnet, lamp, scale, and lamp transformer in a single, compact case. Just place the instrument on a bench or table, plug into a 115-volt, 60 or 50 cycle outlet, and it's ready to use.

Sensitivity is ample for many potentiometer and bridge circuits for which we formerly supplied remote-scale L&N galvanometers.

In addition to its normal sensitivity, this instrument also has, in effect, a low sensitivity, which is often a great help if a deflection shoots the galvanometer's indicating light-spot off scale. For, in that case, a secondary spot appears. Moving only one-tenth as far as the main spot, this secondary device shows both direction of deflection and approximate magnitude of the circuit-balancing adjustments required.

Zero is adjusted by turning a knob on the front of the instrument. Deflection of the full-sensitivity light spot is linear to within 1%. Sturdy metal case provides electrical shielding.

CHARACTERISTICS

List No.	Sensitivity per mm scale division	Nominal Period, Seconds	Nominal Resistance, Ohms	
			External Critical Damping	System
2430-a	0.5 microvolt	3	50	17
2430-c	0.005 microampere	2.5	400	25
2430-d	0.0005 microampere	3	25,000	550

For most applications, these Galvanometers can be used with circuits having external resistances which differ considerably from the above values. All three Galvanometers use the same magnet, and their moving systems are interchangeable. Thus, one complete instrument with two additional systems gives the same variety of characteristics as three complete galvanometers. For further details, write Leeds & Northrup Co., 4926 Stenton Ave., Phidalelphia 44, Pa.

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