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# Science



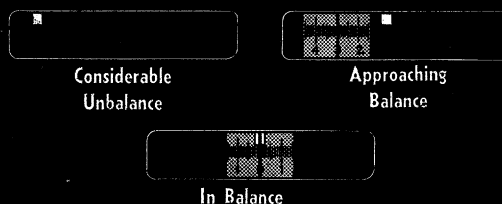
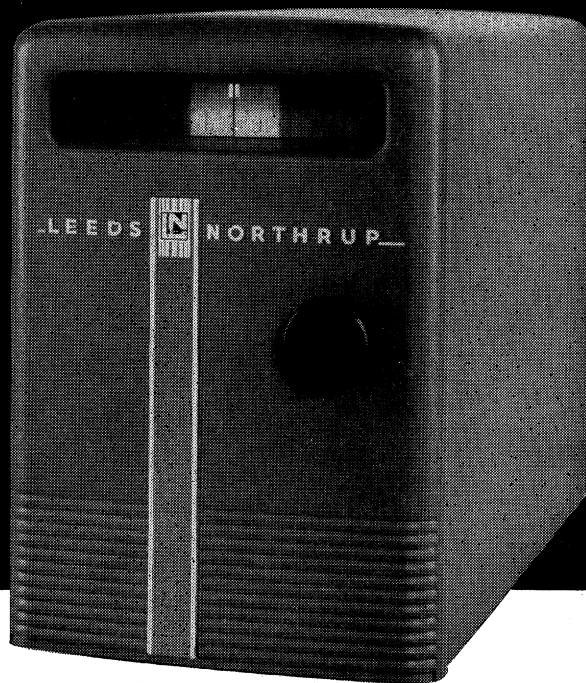
Elvin C. Stakman  
President of the AAAS, 1949



# There's Less "Spot Chasing"

WITH THE NEW L&N

## Type E GALVANOMETER



**H**IGH on the list of conveniences which the Type E offers to users of sensitive galvanometers is freedom from frequent "spot chasing."

In addition to the large, primary light spot which travels along the 100 mm scale with full galvanometer sensitivity, there is a smaller, brighter secondary spot.

Because a given voltage moves the secondary spot only one-tenth as far as the primary, the effective length of the scale is increased to 1000 mm. So you actually get an approximate reading of any deflection which would appear on a full meter scale with a conventional lamp and scale galvanometer.

Probably even more important is the fact that the secondary spot is so bright and moves so slowly—one-tenth as fast as the primary—that when it does shoot off the scale you usually see it go. You know immediately in which direction

you must correct to bring the circuit to the balance point. You seldom lose both spots so completely that you have to chase in both directions to discover the unbalance.

For further information, write to Leeds & Northrup Co., 4926 Stenton Ave., Phila. 44, Pa.

### CHARACTERISTICS

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



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