

Lock in



simplified
retrieval of
noise buried
signals with

Ithaco's 353 Phase-Lock amplifier

- no tuning required
- phase and gain not affected by adjustment or drift in reference frequency
- adapts automatically to virtually any reference input
- ultra stable, highly linear detector—no overload at 1,000 : 1 noise to signal ratio
- 1.0 Hz to 200 KHz operation

- plug-in construction permits addition of new or specialized features—prevents obsolescence

For further information and complete specifications contact:

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See us at '69 Physics Show, Booth 177.

New toploading balance is fast, accurate...yet **RUGGED!**

New Torbal ET-1 toploader (160g capacity, 1 mg accuracy) makes accurate weighing easier and more foolproof than ever before.

NEW EASE thanks to complete digital display without the use of optical projections or verniers to read, no estimating.

NEW EASE because the one piece construction of the exclusive Torsion weighing mechanism has no knife edges to chip, wear or collect dust—hence there's no loss in accuracy.

NEW EASE—thanks to the electronic null readout feature, the ET-1 is not affected by sensitivity changes—from temperature or humidity variations or effects of foreign matter or wear. As long as you can see the null needle move for a 1.0 mg weight change, then a difference of 1.0 mg in weight-reading means 1.0 mg—today, tomorrow, next month, next year.

NEW EASE because the ET-1's Torsion mechanism is far less affected by vibration than optical balances. You can use an ET-1 in conditions other balances can't take.

NEW EASE thanks to out-of-level accuracy. For minor changes in level of the ET-1, zero point does not change.



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THE TORSION BALANCE COMPANY Department S, Main Office and Factory: TORBAL
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know of the peculiar difficulties of disproving an erroneous first impression.

The propriety of government control over drug manufacturers is widely debated in such journals as *Clinical Pharmacology and Therapeutics*. Reports of government action on behalf of the community when these controls are not observed by manufacturers are common. It would be useful, and fair, if scientists in society were allowed to judge the information that causes such action before conceding any restrictions on experimental technique. There must be better ways of combating carelessness or deception without tampering with the need to get the answer right.

A. S. E. FOWLE

29 Manor Way, Beckenham,
Kent, England

Drosophila: Tender Loving Care

Sonneborn could have found no more apt appellation for H. J. Muller than "Crusader for human betterment" (15 Nov., p. 772). I knew Muller well. As his student assistant at the University of Texas, he and I, together with our wives, spent much time cycling in and around Austin.

Muller was an intense, hardworking scientist who had little time for social frivolities. In addition he was quite shy and sensitive, although he easily lost himself in his scientific pursuits. One of my jobs was the care and feeding of *Drosophila*. This may sound simple but Muller was exacting in his requirements. I remember one Christmas vacation period in Austin when the weather turned quite cool, so that I was afraid the *Drosophila* might suffer in the unheated university building. I carried the tubes housing them home in my inner pocket, and since my meager quarters were not too thoroughly heated at all times, I took them to bed with me. I was very proud of their survival, and when I told Muller of this at the famous Dartmouth conference on "Great issues of conscience in modern medicine" some years ago, he conscientiously asked me, "Do I still owe you something for this?"

Muller contributed a great deal to the development of my career in medicine. I am one of many who have owed much to this man, rather small physically, but a giant in every other respect.

RAYMOND WING

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