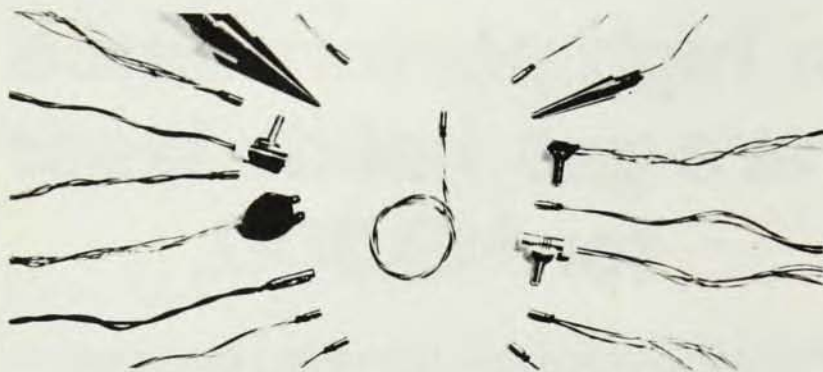


GERMANIUM THERMOMETERS

...for the measurable difference



- Eight models to choose from.
- Calibration service down to 0.05K
- Traceable to NBS, IPTS 68, EPT 76
- Computer printed calibration tables
- Rapid delivery on standard models

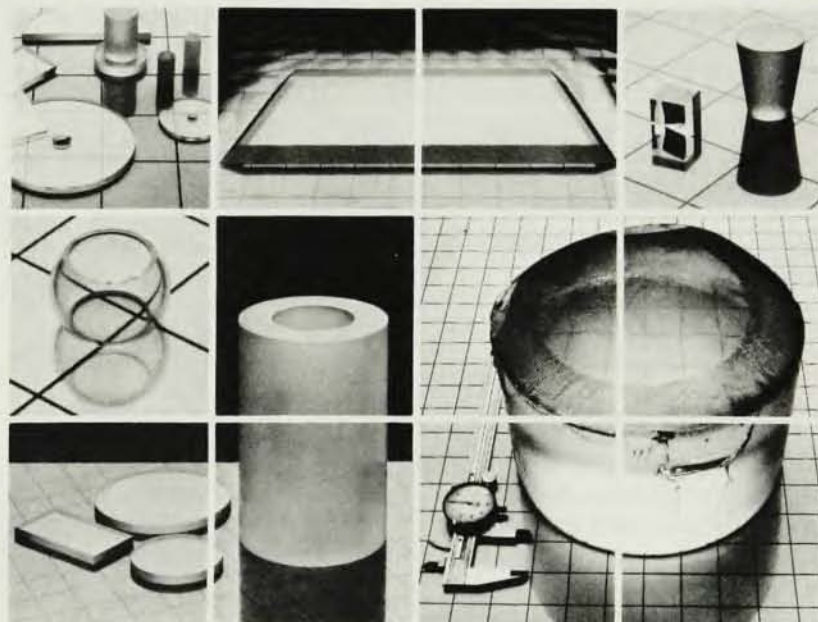
See us at booth No. 81, March A.P.S. show



SCIENTIFIC INSTRUMENTS, INC.

1101 - 25th Street • West Palm Beach, Florida 33407
(305) 659-5885

Circle No. 69 on Reader Service Card



SAPPHIRE

Up to 12 Inch Diameter

Sapphire, free of light scatter, is available only from Crystal Systems. Boules can be provided in all orientations. For zero birefringence optics, (0001) orientation, up to 5 inch

diameter rods are available. Large windows can be custom fabricated in various orientations with flatness $< \frac{1}{4}\lambda$ and surface finish $< 4\text{\AA}$.



CRYSTAL SYSTEMS

35 CONGRESS ST., SALEM, MA 01970
(617) 745-0088

Circle No. 70 on Reader Service Card

letters

spirit of physics here. I do not believe the sole criterion for doing research is at a big school with a lot of money. You can do both teaching and research in a small college if you try hard enough. May all the young assistant professors survive!

DONALD K. HSU
Leonia, New Jersey

9/8/80

Inventive company

John Gilman's Guest Comment ("Inventions and Corporate Size," October, page 9) is informative. Gilman's Table 2 shows Stauffer Chemical to be one of the leaders in "inventivity" (number of patents per sales dollar). It is noteworthy that of the 15 highest inventivity companies listed in Table 2, Stauffer ranks third in patents per research \$.

Of those fifteen companies, all but two (Robertshaw Controls and Illinois Tool Works) are among the Fortune 500. It is interesting that these two have the highest patents per research dollar (109 and 123, respectively). Stauffer Chemical leads among the Fortune 500 companies with 36 patents per research dollar, while the median among the 15 Inventivity Leaders is Motorola at 20.

Perhaps because Stauffer Chemical has shown this performance, it is worth emphasizing that the name shown throughout the article is incorrect: not *Stouffer* but *Stauffer*.

LESLIE G. POLGAR
Stauffer Chemical Company
Westport, Connecticut

10/31/80

Reaction to new format

On this sad day following the election it may surprise you that anyone would bother to write a letter taking exception to the new PHYSICS TODAY format and structure as exemplified by the October issue. But I have a one-person campaign to persuade periodical publishers to serve the needs of readers.

Now that the white space around the name on the cover is gone, there is nowhere to write notes regarding the contents.

The glued binding instead of leaves makes it impossible for me to tear out extraneous material so that I may store thinner magazines with less weight and bulk. Having recently moved I am well aware how heavy ten years of just four of my favorite science journals weighs—about 500 pounds, and this is with thousands of extraneous advertising and dated pages removed. Instead of making it harder to trim your journal, I would have liked you to make it easier—get all the advertising onto full

leaves that may be torn out, do not print one article on the back of another or have single continued columns.

Finding the issue date on the shelf would have been easy if you had printed the date near the left edge, where I have had to write it (near the top).

I do not "subscribe" to the myth that journal "logos" and formats get dated in a few years. That is Madison Avenue "hype," which I had thought (until the election) our overconsuming, image- and surface-conscious society had begun to learn to forego.

I was glad, however, that my magazine cover did not bleed, either fully or partially, onto myself or my environment.

JOHN H. MAULDIN
St. Ambrose College
Davenport, Iowa

11/19/80

Corrections

March 1980, page 53—William Klement Jr received his PhD in 1962 from Caltech, not, as erroneously stated, UCLA.

November, page 78—the new chair at Stanford University should read "Paul Pigott Professorship of Physical Sciences." □

physics today

has an opening for
a full-time position as

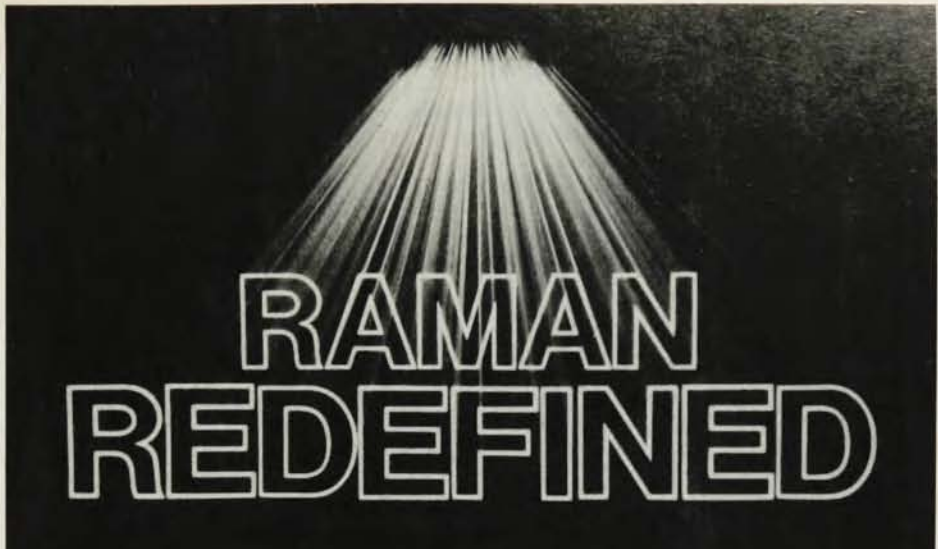
Associate Editor

to do editing and reporting
Graduate-level physical-science
background.

Please send resume, including salary
history, to:

American Institute of Physics
335 East 45th St. New York N.Y.
10017

Attn. Harold L. Davis
Editor, PHYSICS TODAY



RAMAN REDEFINED

The New Ramanor U-1000 Modular Macro/
Micro Raman System takes the concept of
the MOLE a step further. See it at the Pitts-
burgh Conference Booths 8044-9 and 9044-9.

JOBIN YVON  **Instruments SA, Inc.**
J-Y Optical Systems Division

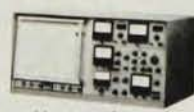
173 Essex Avenue, Metuchen, NJ 08840, 201/494-8660. Telex 844-516. In
Europe, Jobin Yvon, Division d'Instruments SA, 16-18 Rue du Canal, 91160
Longjumeau, France, Tel. 909.34.93, Telex JOBYVON 692882.

APS Show—Booth #18 Circle No. 71 on Reader Service Card

Two Product Lines Dedicated to the Science of Magnetism

WALKER/MAGNETRICS	WALKER/MAGNION
Magnetic Measuring Instrumentation • Gaussmeters • Fluxmeters • Integrators • Hysteresisgraphs • Coercivity Meters • Reference Magnets • Custom Measuring Systems	Laboratory Magnet Systems • Electromagnets 4 - 15" • Solenoid Systems • Computer designed Coil Systems • Power Supplies: 150W - 30KW • Current Regulated • Field Regulated • Field Control Systems • Custom Electromagnet Systems

TYPICAL SYSTEMS



WALKER SCIENTIFIC INC.
ROCKDALE STREET / WORCESTER, MASS. 01608 U.S.A.
Telex No. 920489 / Telephone (617) 852-3674

Circle No. 72 on Reader Service Card