STATE AND SOCIETY

abroad to brief the President on developments and trends.

DuBridge moved slowly in taking public positions on technically oriented issues. On the future of manned exploration of space, he noted that as spacecraft improve and the necessary instrumentation becomes more complex, it may make more sense to use men rather than instruments. The man will be superior to any machine in dealing with the unexpected once he gets there.

On the arms race with the Soviet Union, he said that it is "terribly important to find a way of getting out of the rat race of nuclear buildups and nuclear defense buildups."

On the most basic issue, more money for science, DuBridge and Nixon present a united front. They should have little trouble gathering persuasive arguments on how more money could be well spent. Whether they can sell their enthusiasm to a Congress no longer dazzled by science is another question.

US Steel, AIP Add Category To Science-Writing Awards

A second award for science writing in physics and astronomy, this one for a scientist, has been created by the US Steel Foundation and AIP. Both awards carry \$1500 cash prizes.

The original award, established a year ago, is for a newspaper or magazine writer. This year's prize will be given at the Washington meeting of the American Physical Society; entries must be submitted by 15 Feb.

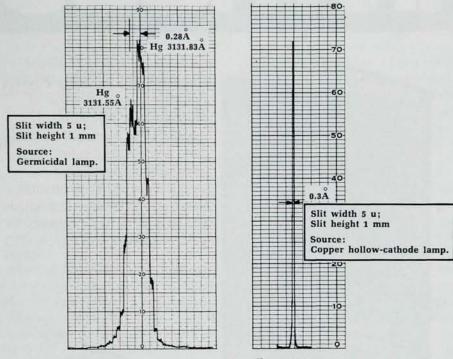
The new award will be given this year at the fall Corporate Associates meeting to a scientist for work geared to the nontechnical reader. Submission deadline is 1 June.

AEC, Puerto Rico To Study Nuclear-Energy Center Sites

Puerto Rican agencies and the Atomic Energy Commission are studying possible island sites for a nuclear-energy center. They are thinking in terms of a plant that would generate 0.5 to 1 million kilowatts and desalt 25 to 100 million gallons of seawater per day.

The centers would provide power and water for industry, agriculture, and residential communities of up to 100 000 (PHYSICS TODAY, December, page 62).

the \$1195* Monochromator with "better than 1Å resolution"



how much better?

We do not intend to praise the resolution of the Heath/Malmstadt-Enke EU-700 Monochromator by numbers. The optical performance of the "700" is better illustrated by the degree of separation of a typical first order profile of a 3131 Hg line and by the sharp, coma-free line produced from a copper hollow-cathode lamp, enabling you to judge its resolving power against the criteria you generally use.

If you think your Monochromator is as good as the "700" try the above tests on your instrument, compare them with the "700"... and see if you don't need a new Monochromator. The optical system is of the Czerny-Turner type with a focal length of 350 mm. To prevent aberration of the images and minimize coma, the "700" has parabolic mirrors, coated with MgF2 for maximum reflectance in the UV. Image deterioration is virtually nonexistant.

The plane diffraction grating features 1180 lines per mm and a blaze wavelength of 2500 Å. Continuously variable slits between 5 and 2000 microns have ground and polished knife edges with heights from 0.5 to 12 mm. Stray light is minimized by the use of high

quality optical components. Special two-stage light baffles prevent off-axis light from entering or being dispersed.

All "700" Monochromators will produce the 0.3 Å resolution shown above, despite the fact that Heath conservatively states only "better than 1 Å." This high performance, versatile and stable Monochromator also features:

- ± 1 Å tracking accuracy
- Modular versatility integrates the "700" into a series of spectrophotometers available soon
- In-line entrance and exit beams
- Electronic Programmable Digital Scanning
- Wavelength: zero order to 10,000 Å
- High Mechanical Stability with portability . . . all for just \$1195.



For more information on the "700" send for the NEW HEATH	HEATH COMPANY, Dept. 560-06 Benton Harbor, Michigan 49022
	☐ Please send New Free Scientific Instrumentation Catalog.
	☐ Please send Manual 595-912, a 100 pg. application and operation book of the "700"\$2.00
Scientific Instru- mentation Cata-	Name
log. A Manual is also available for \$2.	Address
	CityStateZip
	Prices & specifications subject to change without notice. EK-268 R *Mail order prices; F.O.B. factory.