resents the principal expense, the principal source of income, and the principal benefit of membership. It therefore serves as the best example of the problem involved in the decision by the Board of Directors to recommend, and the decision by the Council to approve, an increase in AAAS dues and the subscription charge for *Science*. No substantial decrease of expenditures could be achieved without reducing the size of *Science*. Periodic surveys of random samples of the members indicated they do not wish *Science* to be decreased in size.

Since 1958 (the year of the last dues increase) the cost of editing, printing, and mailing *Science* for a year to one member has increased from $12.30 to $24. Income to meet this cost comes from dues, subscriptions, and advertising. Advertising rates have been increased annually since 1958, with the total increase from that year to 1968 being over 200 percent. The pending dues increase will be slightly over 40 percent. Fortunately, scientists' salaries have increased about 60 percent in the 10-year period.

DAEL WOLFLE

AAAS

Chromatography Warning

I wish to draw attention to a serious disadvantage in the use of either black or amber rubber tubing for chromatography. They contain a water-soluble antioxidant which has a maximum optical absorption at 227 mμ. There is also considerable absorption at 260 mμ and 280 mμ, which would invalidate any estimation of the ratio of optical density at these wavelengths. For example, on leaving a sample of distilled water in a piece of unused tubing, the optical density at 280 mμ was greater than 1 after 24 hours. Boiling the tubing in detergent for 1 hour had little effect in reducing this absorption.

At best, use of this tubing for chromatography, and measurement at 280 mμ may slightly raise the background value, but should the flow of the solution be stopped for a time and started again, it is quite possible to obtain a spurious peak owing to a build-up of antioxidant by slow diffusion from the rubber into the solution.

W. ROBERT MIDDLEBROOK

Department of Biology,
Brandeis University,
Waltham, Massachusetts 02154