

## NBS Standard Samples

Availability of standard samples of phosphors, high temperature alloys, and rubber compounding agents has been announced by the National Bureau of Standards.

The 14 phosphor standards, prepared in cooperation with the Electrochemical Society, are for industrial and research use. The main concern in preparing the samples was to achieve uniformity of characteristics and thus provide a fixed basis of comparison with other phosphors.

Spectral emission of these phosphors ranges from 2737 to 3650 Å. Their basic physical properties have not yet been measured and they are intended to serve as common reference material for comparison.

**Alloys.** Standards for both optical and x-ray spectrometric and chemical analyses are being prepared to cover the composition range of 17 commercial types of high-temperature alloys. Research is under way on new and improved methods of analysis.

In cooperation with the Department of Defense and interested industrial

groups, a series of 23 spectrometric standards of high-temperature alloys was selected. Standards for six of the alloys have been prepared. After homogeneity tests the standards will be analyzed chemically and certified as NBS standard samples. The same procedure will be followed for the remaining standards.

**Rubber agents.** NBS has added two new standard samples to its list of materials for rubber compounding. These are mercaptobenzothiazole (No. 383) and natural rubber (No. 385). These bring the total of references in this field to 17.

These two samples complete the list of compounding ingredients and natural rubber compounds.

Lists of the phosphor and rubber samples with the prices are available from the Standard Sample Section, National Bureau of Standards, Washington 25, D. C.

## Hot Laboratory Conference

Abstracts for papers to be presented at the Seventh Conference on Hot Laboratories and Equipment to be held in Cleveland, April 1959, are due Sept. 15, 1958 and should be sent to program chairman, L. G. Stang, Jr., Brookhaven National Laboratory, Upton, N. Y. Deadline for papers will be announced later.

Papers are invited on all phases of hot laboratories and equipment for handling radioactive material including design, construction, operation, maintenance, decontamination, remodelling, shielding calculations, costs.

## New Chromatography Journal

A new international bi-monthly review on chromatography, electrophoresis and related methods, will be published by Elsevier Publishing Co. Editor is Michael Lederer, Institut du Radium, Paris. The journal is called "Journal of Chromatography."

Plans call for publishing about 100 pages per month of review articles on techniques and applications in these fields, plus original papers dealing with chromatographic methods and their applications in analysis and pure chemistry. Papers will be accepted in English, French, and German.

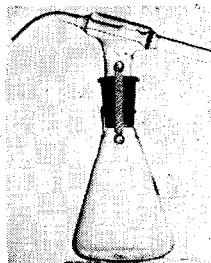
The journal will also present collections of physicochemical constants ( $R_F$  value and retention volume) for use in paper and gas-liquid chromatography.

The price is \$15 per volume. Further details are available from Elsevier Publishing Co., 110-112 Spuistraat, Amsterdam-c, The Netherlands.

## For Rapid, Accurate and Reproducible Dispensing of Liquids... The PALO PIPETTER

This ingenious and inexpensive glass PIPETTER consists of a reservoir flask to which is attached an interchangeable head of SPECIFIC capacity. Both flask and head have ground joints.

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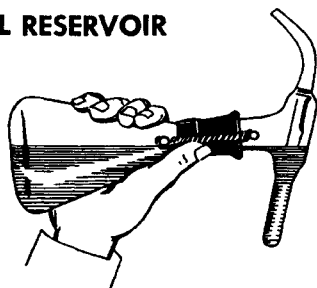
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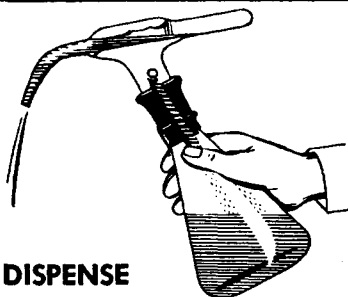
### APPLICATIONS

- Making serial dilutions
- Adding chloroform, strong acids, cyanide solutions, and solvents
- Qualitative and quantitative reagents

### 1. FILL RESERVOIR



### 2. DISPENSE



### ORDERING INFORMATION

#### PLEASE SPECIFY THE FOLLOWING WHEN ORDERING

1. Specific volume of head. (One volume only)
2. Volume of flask. (ml)

Pyrex Brand Glass DELIVERY HEAD with  
3/24/40 Joint and Hooks.

**C 9600-1** In any one capacity from 5 cc to 100 cc in any increment of 5 cc.. **\$7.75 ea.**

**C 9600-2** All other sizes from 1 cc to 99.5 cc in any increments of 1/2 cc..... **\$8.50 ea.**

**C 9601** Pyrex Brand Glass Erlenmeyer Flask with hooks and 3/24/40 joint.

Flask Size	Price Each
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1000 ml	2.90
2000 ml	3.50

**C 9602 Springs\*** only **\$ .30 per pair**

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