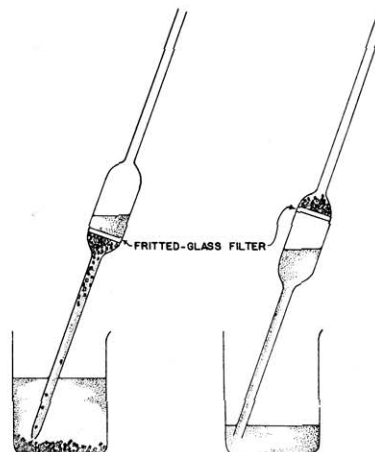


Filter-Pipets

Supernatant solutions in reaction flasks or beakers, etc., may be quickly and conveniently removed and filtered free of solid particles in one operation by means of filter-pipets, as illustrated in the figure. The apparatus, similar in appearance to a volumetric pipet, may be constructed from commercially available fritted-glass sealing-tubes in any desired volume and porosity. Shown at left is the withdrawal of the supernatant solution, facilitated by the vacuum created by a rubber bulb attached to the untapered end of the pipet. Illustrated at right is the transfer of the filtered solution from the *inverted* pipet, forced out under pressure with the same rubber bulb now attached to the tapered end. An entire removal, filtration, and transfer of supernatant solution may be accomplished in less than one-half minute. Thus, very volatile solutions may be removed with a minimum of solvent loss. The pipets are easily cleaned by means of a few solvent rinses and may be oven-dried if desired. It should be noted that the filter-pipets, in the simple unmodified

form illustrated, are not volumetric as they cannot deliver a precise volume of filtered solution.

The filter-pipets were designed and constructed during a study supported by the Robert A. Welch Foundation.



Errata

December was a cold month for THIS JOURNAL's spelling record. Not only did we put an extra "l" in Fresnel and leave the proper second "e" out of Zeeman (page 601), but we went the IUPAC one better by inventing a new element. "Caldium" appears on page 625 with the symbol Ca.