
Catalogue Corner

Please write directly to the company indicated for any publication you wish mentioning the bulletin number and *Science*. Publications are gratis unless otherwise noted.

Portable water bath. The Barnstead Company is now producing a low-cost water bath which is suitable for use in either industrial or educational laboratories. The bath has seven openings with concentric covers, and the outer holes are numbered for convenient identification. The entire exterior is of Monel Metal and the interior is of tinned copper. Immersion-type, electric heating elements provide a high heat of 1,000 watts or a low heat of 500 watts. Bottle-fed, the bath can operate for 10 hours on low heat or from 4 to 5 hours on high heat. *New water bath by Barnstead. Bulletin No. 108 SC-462.* Barnstead Still and Sterilizer Company, Inc., 2 Lanesville Terrace, Boston 31, Mass.

Spectrographic analysis equipment. The Jarrell-Ash Company has published a large brochure giving detailed information about its line of equipment for use in research involving spectroscopy and spectrochemical analysis in metallurgy, mineralogy, agronomy, chemistry, and medicine. All of the company's instruments employ the stigmatic type of mounting for the grating, as originally suggested by F. L. O. Wadsworth. The advantages claimed for such grating mounting are that the spectrum is anastigmatic and the design lends itself to a plateholder which covers an exceptionally wide range of spectrum at one setting. A large chart shows synoptically the main characteristics of each piece of equipment, and at the foot of each column a diagram gives the dimensions of the particular piece of apparatus. In addition to its own line of manufacture the company also sells the equipment of Adam Hilger of London. *Spectrographic equipment. Brochure SC-462.* Jarrell-Ash Company, 165 Newbury Street, Boston 16, Mass.

Engineering instruments. The Leupold and Stevens Instrument Company has sent in a copy of its catalogue of instruments used by hydraulicians, surveyors, hydrologists, and meteorologists. Some of the equipment described is: water-level recorders; deflection meters; differential floats; remote registering systems; hydrographic accessories, such as USGS wire weight gages and sounding reels, pitot tubes and weir blades; snow-rain recorders; and surveying instruments. *Bulletin 23 (2d ed.) SC-462.* Leupold and Stevens Instruments, 4445 N. E. Glisan Street, Portland 13, Ore.

Constant vacuum control. The Wallace and Tiernan Company has developed an aneroid manostat for use on problems involving extended periods of vacuums. The instrument was developed to keep vacuums absolutely constant and to offset complications because of baro-

metric changes. Two ranges are available—one for vacuum systems only and the other for both vacuum and pressure systems. Both are designed for general use in laboratory and industry in the calibration and testing of pressure-sensitive instruments in high vacuum distillation and in vacuum-tube production and research. The instrument can be adjusted to 0.005 inch of mercury and under normal laboratory conditions will hold the controlled system at set pressure almost indefinitely without visible deviation, regardless of changes in the source of vacuum, pressure, or variations in barometric pressure. *Aneroid manostat, Technical Publication 257 SC-462.* Wallace and Tiernan Company, Belleville 9, N. J.

Powder metallurgy. One of the newer engineering developments is the manufacture of metal powders into finished products or vice versa. Back of the process is much fundamental research, and college instructors who teach in the chemical engineering departments or development engineers looking for economical production methods will want to read this brochure. In it are described the methods and techniques employed in the process, the advantages and disadvantages, together with the limitations of the process and numerous successful applications. Engineers will be particularly interested in the detailed specifications given for self-lubricating bearings. *Powder metallurgy. Brochure SC-462.* Keystone Carbon Company, Inc., Saint Marys, Pa.

Vacuum pumps. The W. M. Welch Manufacturing Company has furnished this office with a copy of a booklet devoted exclusively to its line of Duo-Seal vacuum pumps. In addition to outlining complete specifications for various types of pumps, including single and two-stage pumps, distillation pumps, and vacuum gages, there are extended discussions of the principles and history of this type of laboratory apparatus. Performance curves are given, together with formulae for calculations to determine load factors. *Duo-Seal vacuum pumps. Brochure SC-462.* W. M. Welch Manufacturing Company, 1515 Sedgwick Street, Chicago 10, Ill.

Entomological supplies and equipment. A wide range of necessary supplies and equipment for field and laboratory work by the instructor, researcher, and student are described in the latest catalogue from Ward's Natural Science Establishment. Among the items listed are insect-collecting equipment, insect-killing apparatus, pinning, spreading, and mounting materials, cases and boxes for displaying and storing insects, and cabinet drawers and trays. An insert tells about a completely adjustable holder for microscopic study of insects. By means of a constant axis mechanism complete dorsal and ventral coverage can be had, and light can be found at every possible angle. *Entomological supplies and equipment. Catalogue 455 SC-462.* Ward's Natural Science Establishment, Inc., Box 24, Beechwood Station, Rochester 9, N. Y.