

Equipment News

■ **SOUNDSCOPE** measures over-all sound levels; operates as an analyzer, measuring sound in each of eight octave bands to determine noise peaks; and checks sounds in narrower frequency bands. Electric and acoustic calibrators are built into the portable, 20-lb unit. When used as a sound-level meter, the instrument picks up noise through its microphone. The sound-pressure level is measured by passing the electric signal through attenuators and amplifiers to the meter, which is calibrated in decibels. Measurement range is from 24 to 150 db. In the analyzer section of the instrument, noise

is filtered into any of the octave bands from 75 to 19,000 cy/sec. Noise peaks in each of these bands can then be measured individually. For finer analysis, by frequencies within the octave bands, continuously variable filters are utilized. (Mine Safety Appliances Co., Dept. Sci., 201 N. Braddock Ave., Pittsburgh, Pa.)

■ **REFRACTORY MOLYBDENUM BORIDES** are described in a recently issued six-page bulletin that gives applications; chemical, physical, and mechanical properties; and preparations of molybdenum boride compounds. Data are given for four molybdenum borides and seven multi-boride systems. The latter include com-

positions of molybdenum borides with borides of nickel, chromium, cobalt, iron, titanium, tungsten, and zirconium. Outstanding properties of these materials are high melting points, high hardness, resistance to corrosion and abrasion, and high electric conductivity. Present and potential applications of the compounds include their use in machine parts that are subject to abrasion and corrosion and in rocket parts. (Climax Molybdenum Co., Dept. Sci., 500 Fifth Ave., New York 36.)

■ **OPTICAL WEDGE FILTERS** showing linear characteristics over a wide spectral range are available from Axler Associates. Filters can be produced to cover the spectral range of 0.240 to 2.7 μ in increments of 0.100 to 0.300 μ . They are available in sizes ranging from 1½ in. by 3 in. to 2 in. by 6 in. Peak transmissions and half widths are within the tolerance of the standard 2-by-2-in. ultraviolet, visible, and infrared transmission filters. (Axler Associates, Dept. Sci., 102 43 Ave., Corona 68, N.Y.)

■ **FERNBACH FLASKS** have been designed for use in the microbiological assay of vitamins. Made of borosilicate glass, they are provided in 5-, 10-, and 25-ml sizes. (Kimble Glass Co., Dept. Sci., Ohio Bank Bldg., Toledo, Ohio)

■ **ENZYMES SYSTEM** composed of glucose oxidase and catalase is described in a bulletin recently issued by Fermco Chemicals. The report discusses the effect of changes in temperature, concentration, and pH on the system in use as a soft-drink stabilizer. (Fermco Chemicals, Inc., Dept. Sci., 4941 S. Racine Ave., Chicago 9, Ill.)

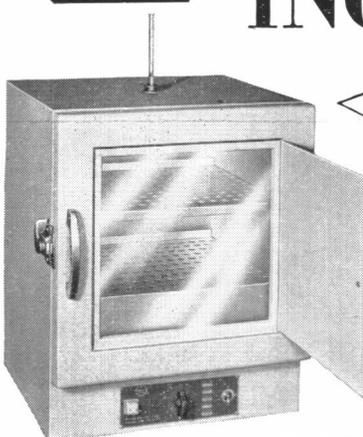
■ **VAN SLYKE APPARATUS** for more accurate blood-gas analyses has been designed. Modified mechanical construction enables the new unit to operate with less vibration than former models. Readings of the etched graduation on the mercury column are facilitated by a 24-in. fluorescent tube that provides an illuminated white background for the column. Speeds of up to 400 cy/min are possible. (Central Scientific Co., Dept. Sci., 1700 Irving Park Rd., Chicago, Ill.)

■ **CHEMICALS** that are commercially available are listed and described in a 370-page book compiled by Fisher. The book includes 7300 compounds, from technical grades to radioactive reagents and spectroscopically pure solvents, along with bacteriological culture media, fluid extracts, spirits, and tinctures. The reference book gives structural formulas, formula weights, melting and boiling points, and color-index numbers of the compounds. (Fisher Scientific Co., Dept. Sci., 415 Forbes St., Pittsburgh 19, Pa.)

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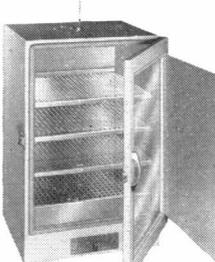


With the New Forward
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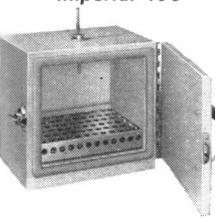
Open this door and
all other incubators
seem outdated!

Room to 60°C
... for Incubation or
Paraffin Embedding

Backed by 50 years of experience as America's pioneer manufacturer of constant temperature cabinets, Chicago Surgical & Electrical Company now announces its new Imperial Series for 1956. Imperial Incubators provide uniform heat because of Thermo-Wall principle—no internal heaters. Working chamber is solid aluminum, Window-Dor has glass viewing window, with hinged door to block external light. Contents may be viewed without disturbing internal temperature. Many other advanced principles of incubator construction. Remember—only C.S. & E. Thermo-Wall heating gives greatest temperature uniformity—the main requirement for best incubation. Finished in exclusive C.S. & E. Sand-Tan. "Imperial 100" is a budget priced incubator with Thermo-Wall heating. Temperature range to 40° C. Ideal for running multiple individual incubations or for use in doctor's laboratory. Sets on table or hangs on wall.



"Imperial 400"



"Imperial 100"

Model	Inside Dimensions			Price
	H.	W.	D.	
100	8"	9"	7"	\$69.50
200	13"	13"	13"	112.50
400	27"	18"	18"	155.00

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