

# SCIENCE

23 November 1956

Volume 124, Number 3230

<b>Editorial</b>	Secondary-School Science and Mathematics .....	1009
<b>Articles</b>	Current Status of Insect Control by Radiation: <i>C. C. Hassett</i> .....	1011
	Traveling High-School Science Libraries: <i>H. J. Deason</i> .....	1013
	H. Devaux, Plant Physiologist, Pioneer of Surface Physics: <i>J. G. Kaplan</i> ....	1017
<b>News of Science</b>	U.N. Committee on Effects of Atomic Radiation; Intermedin; Second Atoms-for-Peace Team Visiting Latin America; Reactor for Japan; Micro-cards for WMO's IGY Work; Another Voice on Radiation Effects; AEC Offices Abroad; Tranquilizing Drugs; News Briefs; Scientists in the News; Recent Deaths; Education; Grants, Fellowships, and Awards; In the Laboratories .....	1019
<b>Reports</b>	Use of Acridine-Orange Fluorescence Technique in Exfoliative Cytology: <i>L. von Bertalanffy, F. Masin, M. Masin</i> .....	1024
	Consistent Running Records: <i>G. P. Meade; M. H. Lietzke</i> .....	1025
	Survival of Amino Acids in Marine Sediments: <i>J. G. Erdman, E. M. Marlett, W. E. Hanson</i> .....	1026
	On the Presence of Free Sugars in Filtered Lake Water: <i>J. R. Vallentyne and J. R. Whittaker</i> .....	1026
	Method for Predicting Amount of Strontium-89 in Marine Fishes by External Monitoring: <i>H. Boroughs, S. J. Townsley, R. W. Hiatt</i> .....	1027
	Protein Adsorption on Filter Paper: <i>H. Waldmann-Meyer and K. Schilling</i>	1028
	Peralta Complex—A Sonoran Variant of the Cochise Culture: <i>G. E. Fay</i> ..	1029
	Extraction of $C_{21}O_5$ and $C_{21}O_6$ Steroids from Aqueous Media: <i>S. Burstein</i>	1030
<b>Book Reviews</b>	<i>Man in Search of His Ancestors; In Search of Adam; Handbook of South American Geology; Handbuch der Physik; Psychology of Industrial Conflict; Fire Research, 1955; Behavior Theory and Conditioning; The Chemistry of the Coordination Compounds; Agricultural Ecology; New Books; Miscellaneous Publications</i> .....	1031
<b>Meetings and Societies</b>	AIBS Connecticut Meetings; Atomic Trade Fair; Programs in Mathematics, Physical Science, and Earth Sciences at AAAS New York Meeting; Meeting Notes; Society Elections; Forthcoming Events .....	1036
	Equipment News .....	1047



## LABORATORY INSTRUMENTS

*Service, Quality, Dependability*

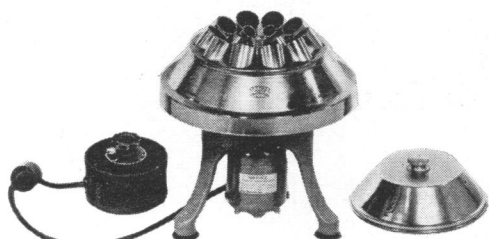


### SUPERSPEED ANGLE CENTRIFUGE

15,500 rpm - 31,000 X G - 400 ml

Separate controls allow remote operation — may be operated in cold rooms, incubators, fume hoods, etc., or wherever routine or special research calls for a versatile Superspeed instrument of established reputation. "Servall"-originated, self-centering direct drive is only one of the superior features that have earned the SS-1 its title: "The workhorse of the modern research laboratory." *Type SS-1A same as SS-1 but with water-cooled bearing for extra-heavy duty.*

*Write for Bulletin SC-111S*



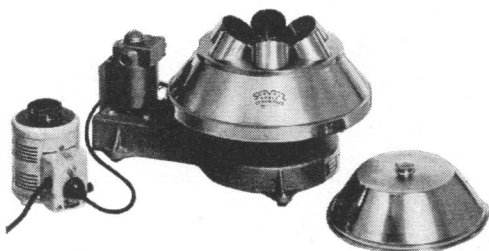
### MEDIUM ANGLE CENTRIFUGES

5,000 rpm - 3,500 X G

TYPE M: Twenty-seven 15 ml Tubes  
TYPE SP: Six 75 ml Tubes  
TYPE SP/X: Ten 50 ml and Five 15 ml Tubes  
with stainless-steel rotors,

Fast, efficient, economical instruments, designed to replace bulky, outmoded equipment. *Types A and XL small centrifuges also available.*

*Write for Bulletin SC-111M*



### LARGE ANGLE CENTRIFUGES

3,500 rpm - 2,500 X G

Compact, space-saving instruments with a maximum capacity of 2,000 ml. Three interchangeable stainless-steel rotors accommodating 500 ml, 250 ml Bottles and 150 ml Tubes. Reducing adapters available for all sizes of Tubes. "Servall"-originated self-centering device ensures smooth operation.

*Write for Bulletin SC-111G*

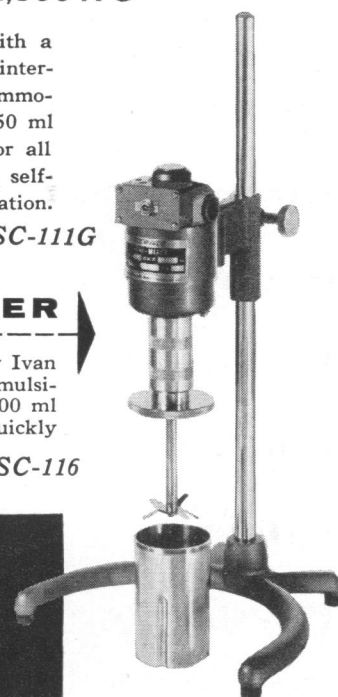
- Other "Servall" Laboratory Instruments include: Ultra-Microtome • Superspeed Refrigerated Centrifuge • Pipettes—Sole distributors in the United States and Canada for LKB Electrophoresis, Chromatography and Physical Chemistry Instruments.

- The unequalled excellence of "Servall" Laboratory Instruments results from our original and continuing development of design, and a thorough familiarity with researchers' requirements since 1930.

### HIGH-SPEED OMNI-MIXER

A rugged, portable instrument, designed exclusively by Ivan Sorvall, Inc. for all laboratory homogenizing, mixing, emulsifying, and difficult disintegrating work. Rapid-action, 200 ml mixing chamber easily cooled or heated. Disassembles quickly for sterilization.

*Write for Bulletin SC-116*



# Ivan Sorvall, Inc.

Designers, Manufacturers and Distributors of "Servall" Specialized Laboratory Instruments

NORWALK CONNECTICUT

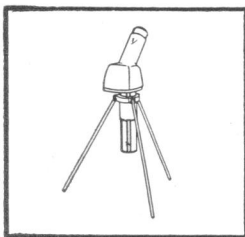
# NEW!

## BAUSCH & LOMB WIDE FIELD MACROSCOPES 10X, 20X, or 40X

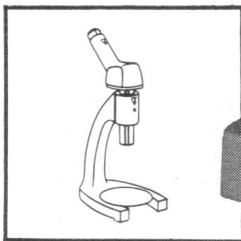
- Versatile teaching tool
- Compact, handy

Here's a new general science teaching instrument that's easy on your budget. It combines the advantages of a low-power microscope with the compactness of a magnifier. And you'll keep it busy enough to get more than your money's worth out of it. Ideal for gross specimen studies and dissection; convenient for field trips. Available with folding tripod or sturdy stand.

Upright images are sharp and detailed to the very edge of the extremely wide field of view. Long working distance makes it easy to manipulate specimens. Slide-tube focus is quick and easy. (Also available as straight tube, for use when upright image is not required.)



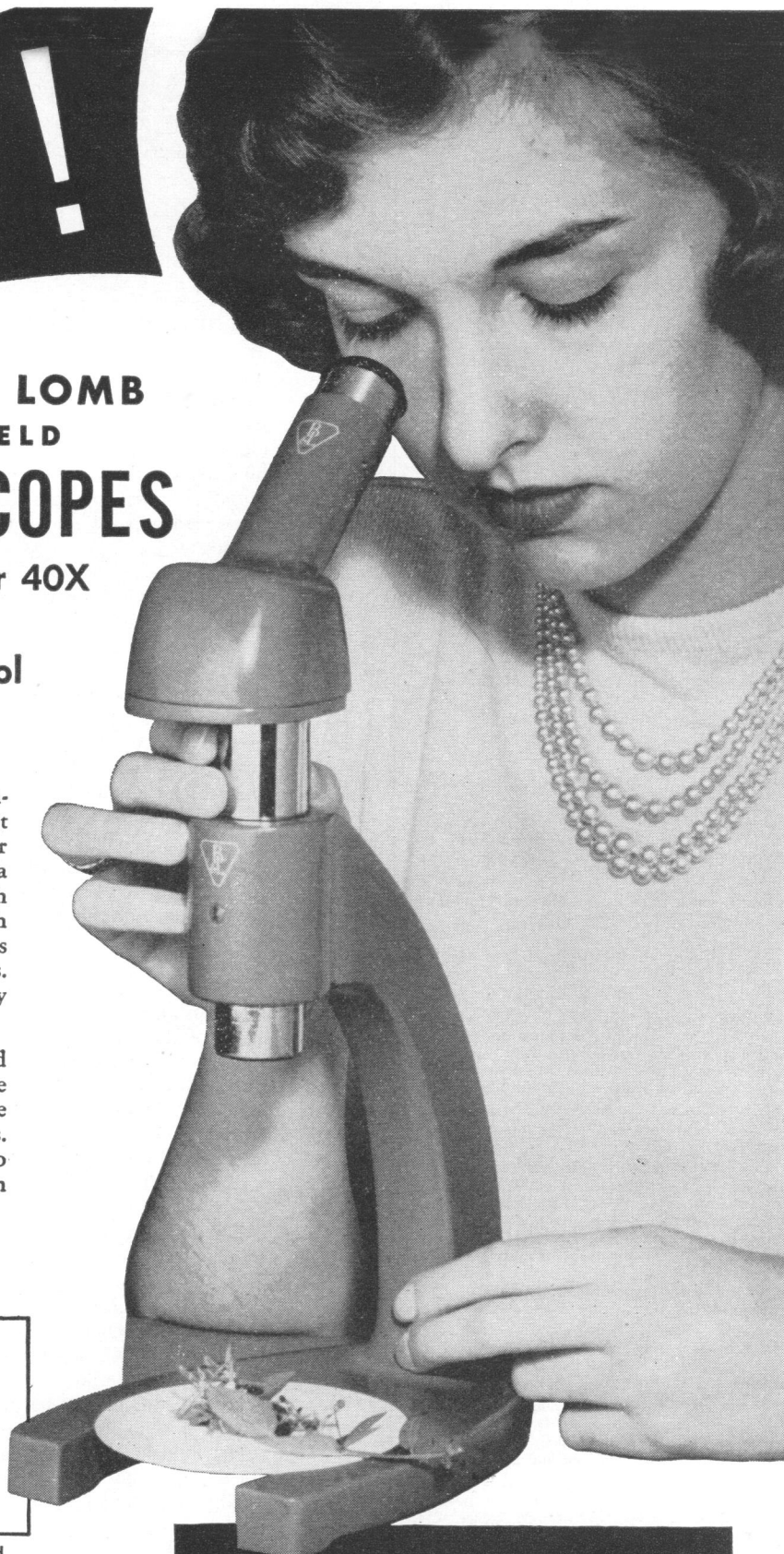
Use it in tripod . . .



. . . or in sturdy stand

*Write* TODAY FOR DATA  
AND DEMONSTRATION

Find out how this inexpensive instrument fills your low-power study needs. Write for free demonstration and Data Bulletin D-1052. Bausch & Lomb Optical Co., 64211 St. Paul St., Rochester 2, N. Y.



## BAUSCH & LOMB

SINCE  1853

America's only complete optical source . . . from glass to finished product