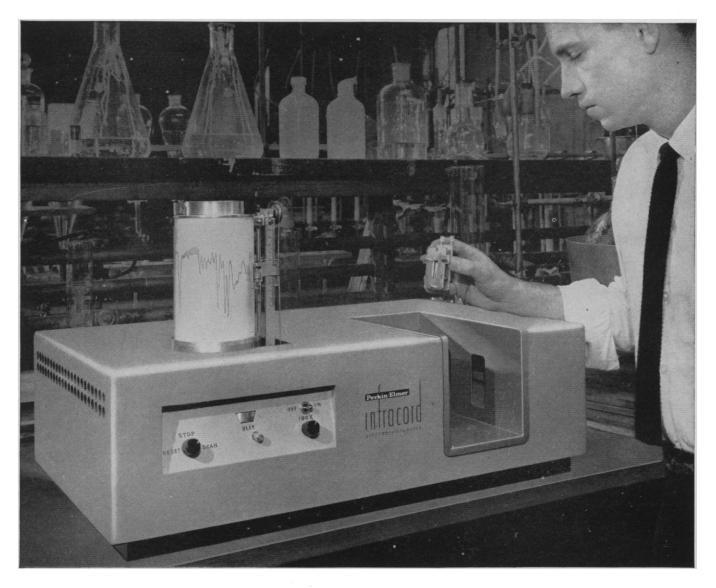
SCIENCE

8 March 1957

Volume 125, Number 3245

Editorial	An Academic Question	425
Articles	Structure of Physical Science: J. R. Zacharias	427
	Units and Concepts of Biology: R. W. Gerard	429
	M. H. Adams, Virologist and Biochemist: E. Racker	434
News of Science	News Articles and Briefs; Scientists in the News; Recent Deaths	435
Reports	Effect of Genes on Birefringence End-Point Temperature of Starch Grains in Maize: P. L. Pfahler, H. H. Kramer, R. L. Whistler	441
	Spectrophotofluorometric Studies of 5-Hydroxyindoles and Related Compounds: H. Sprince, G. R. Rowley, D. Jameson	442
	Photoscanning Detection of Radioactive Tracers in vivo: M. A. Bender	443
	Nutrition of Plant-Sucking Hemiptera: C. A. Scheel, S. D. Beck, J. T. Medler	444
	Psychopathologic Symptoms Induced by Bis-Beta-Aminopropionitrile: H. A. Hartmann and H. F. Stich	445
	Effects of Desoxyribonucleic Acid Breakdown Products on Bacterial Popula- tion Changes and Virulence: W. Braun, W. Firshein, J. Whallon	445
	Paper Electrophoresis of Avian and Mammalian Hemoglobins: A. Saha, R. Dutta, J. Ghosh	447
	Multiplication of Poliovirus in Reticuloendothelial Cells without Generalized Cytopathogenic Effect: G. Barski	448
Book Reviews	Spectroscopy at Radio and Microwave Frequencies; Therapeutic Use of Arti- ficial Radioisotopes; The Biochemistry and Physiology of Bone; Photosynthe- sis and Related Processes; International Review of Cytology; New Books	449
Meetings and Societies	Calder Hall Nuclear Power Station; Meeting Notes; Society Elections; Forthcoming Events	452
	Letters	457
	Equipment News	460

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE



a new low cost infrared instrument for the organic chemical laboratory:

THE INFRACORD[®] DOUBLE BEAM SPECTROPHOTOMETER

The new Infracord Spectrophotometer puts infrared analysis and its advantages within the reach of every laboratory. The result of a 4-year development program by Perkin-Elmer, the Infracord embodies the latest advances in optical, electronic, and mechanical design. A highly efficient *double beam* optical null system, previously available in only the most expensive spectrophotometers, provides the speed, energy, short path length and resolution so necessary for good qualitative and quantitative analysis.

Designed to meet the rapidly expanding use of infrared and analytical techniques, the Infracord is as simple to operate as an analytical balance.

Rugged and compact, the Infracord as an everyday tool for the chemist gives him a fast answer and a permanent record of his work—at the bench. It handles the spectroscopist's routine work. Write for complete information. *T.M.

NOTE THESE FEATURES:

- double beam measuring system
- atmospheric and solvent compensation
- differential analysis
- linear wavelength vs. transmittance recording
- broad line of sampling accessories
- single unit construction
- requires only 120 volt, 60 cycle power source
- 2.5 to 15 microns in 12 minutes
- instant wavelength reset
- direct recording on notebook size paper
- reproducible performance

PRICE: \$3850.00 f.o.b. Norwalk, Connecticut (in U. S. and Canada only)



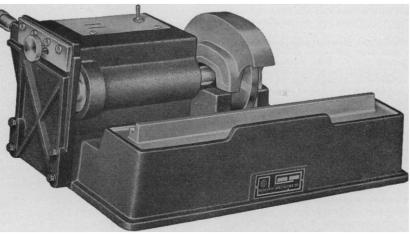


MICROTOME KNIFE SHARPENER RSCo Model 2200



design based on the well-known glass wheel and liquid abrasive suspension principle, keeps microtome knives in excellent condition for the most exacting of sectioning requirements, and it produces a sharpened and polished edge far superior to that obtainable by other methods.

2005 Hopkins Street,



WRITE FOR BULLETIN 2200

RESEARCH SPECIALTIES COMPANY



Berkeley 7, California