

Science Courses for Baccalaureate Education Project (V. L. Parsegian, Rensselaer Polytechnic Inst., Troy, N.Y.)

Society for General Systems Research (R. F. Ericson, George Washington Univ., Washington, D.C.)

Society for the History of Technology (R. Sanders, Industrial College of the Armed Forces, Washington, D. C.)

Medical Sciences

Alpha Epsilon Delta (M. L. Moore, The Society, Bronxville, N.Y.)

American Acad. of Psychoanalysis (E. A. Weinstein, Washington School of Psychiatry, Washington, D.C.)

American Assoc. of Bioanalysts (M. M. Cohen, 165-25 Hillside Ave., Jamaica, N.Y.)

American Physiological Soc. (F. Halberg, Univ. of Minnesota, Minneapolis)

American Psychiatric Assoc. (J. O. Cole, Natl. Inst. of Mental Health, NIH, Bethesda, Md.)

Education

AAAS Commission on Science Education (J. R. Mayor, AAAS, Washington, D.C.)

American Nature Study Soc. (D. E. Wade, 106 Depot St., Oregon, Ill.)

Cooperative Committee (E. Will, State College of New York, Oneonta)

Educational Policies Commission (J. E. Russell, The Commission, Natl. Education Assoc., Washington, D.C.)

National Assoc. of Biology Teachers (W. Stephenson, Earlham College, Richmond, Ind.)

National Science Teachers Assoc. (A. F. Eiss, NSTA, Washington, D.C.)

Pennsylvania Science Teachers Assoc. (D. Ulmer, Lock Haven State College, Lock Haven, Pa.)

Science Teaching Soc. Coordinated Program (A. F. Eiss, Natl. Science Teachers Assoc., Washington, D.C.)

Information and Communication

National Assoc. of Science Writers (L. Zahn, Hill and Knowlton, Inc., 150 E. 42 St., New York, N.Y.)

Society of Technical Writers and Publishers (I. D. Welt, School of Government, American Univ., Washington, D.C.)

Biometric Soc. ENAR (D. S. Robson, Dept. of Plant Breeding, Cornell Univ., Ithaca, N.Y.)

Science in General

Academy Conference (K. Reiss, Tulane Univ., New Orleans, La.)

Scientific Research Soc. of America (D. B. Prentice, The Society, 51 Prospect St., New Haven, Conn.)

Society of the Sigma Xi (T. T. Holme, 51 Prospect St., New Haven, Conn.)

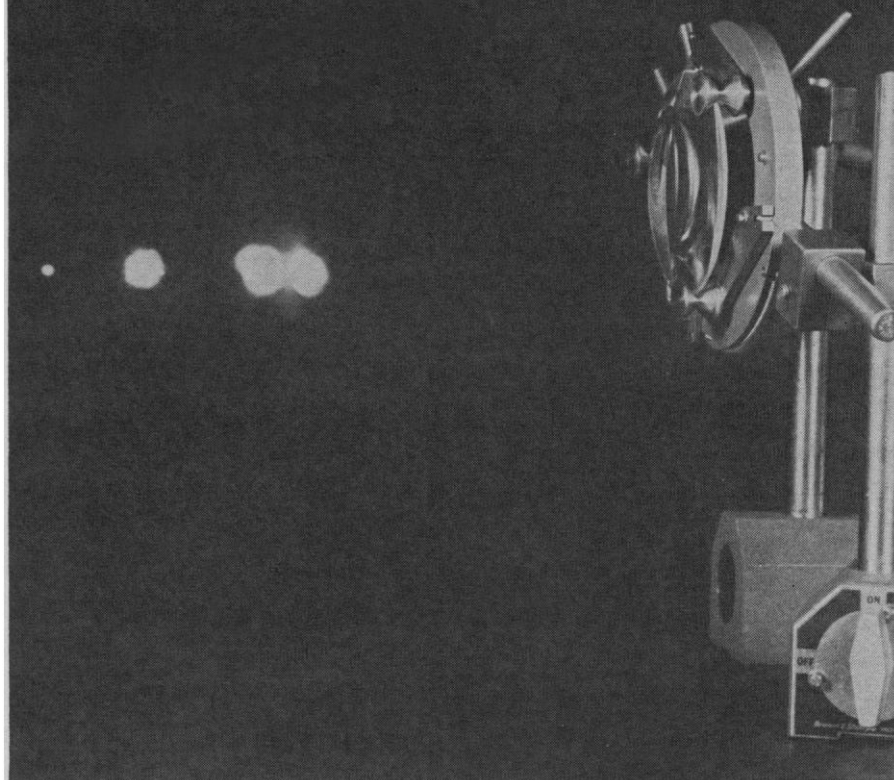
Washington Acad. of Sciences (J. K. Taylor, The Academy, Washington, D.C.)

Wildlife Soc. (J. L. Buckley, U.S. Dept. of the Interior, Washington, D.C.)

27-30. American Astronomical Soc., 123rd mtg., University of California, Los Angeles, (G. C. McVittie, The Society, Univ. of Illinois Observatory, Urbana)

28-30. Econometric Soc., winter mtg., San Francisco, Calif. (Box 1264, Yale Station, New Haven, Conn.)

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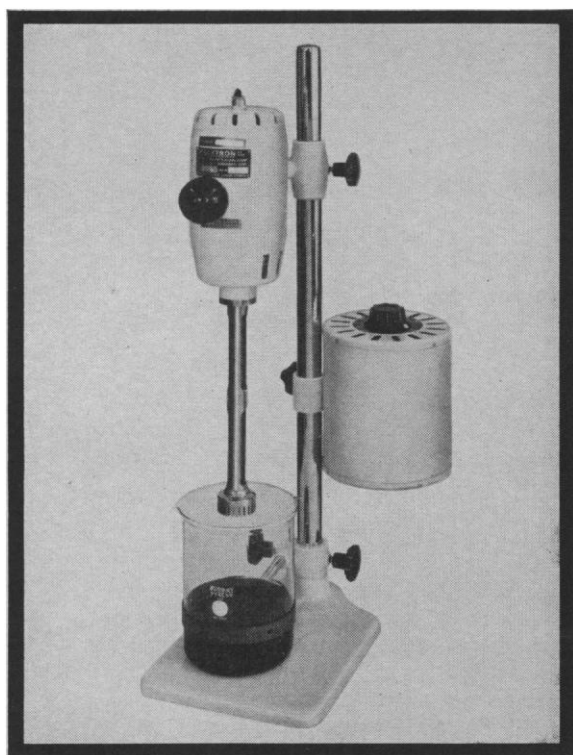
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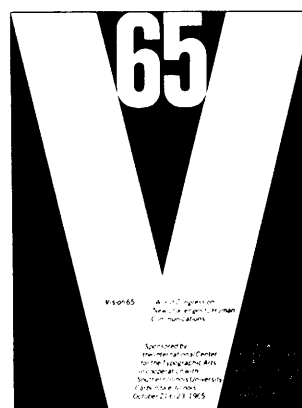
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FEBS

The Federation of European Biochemical Societies (FEBS), which comprises 21 Biochemical Societies in the European area, has decided to **create an international journal** devoted to the publication of original papers of high quality on all aspects of biochemistry or molecular biology. The FEBS Journal will be named

European Journal of Biochemistry



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and will accept papers from any country — European or not — whether or not the author is a member of the Federation.

The FEBS Journal will be published by Springer-Verlag early in 1967 on behalf of the Federation.
"Biochemische Zeitschrift" will simultaneously cease to appear.

The Editorial Board of the FEBS Journal, under the Honorary Chairmanship of Sir Hans Krebs (Oxford), is composed of: C. Baglioni (Naples), J. Berthet (Louvain), A. E. Braunstein (Moscow), F. Chapeville (Gif-sur-Yvette), G. N. Cohen (Gif-sur-Yvette), L. Ernster (Stockholm), U. Henning (Tübingen), O. Hoffmann-Ostenhof (Vienna), A. T. James (Sharnbrook), E. Katchalski (Rehovoth), M. Klingenberg (Marburg/Lahn), C. Liébecq, **Editor-in-Chief** (Liège), U. Z. Littauer (Rehovoth), S. Pontremoli (Ferrara), B. R. Rabin (London), S. M. Rapoport (Berlin), P. Reichard (Stockholm), J. Rudinger (Prag), D. Shugar (Warsaw), A.-M. Staub (Paris), K. Wallenfels (Freiburg i. Br.) and O. Westphal (Freiburg i. Br.).

The Table of Contents will be subdivided as follows:

1. Nucleic Acids and Protein Synthesis — Biochemical Genetics — Morphogenesis.
2. Protein Chemistry — Enzymology — Physical Chemistry.
3. Cellular Biochemistry and Metabolism.
4. Natural Products.
5. Immunochemistry.

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The way to become a writer may be to take a course in penmanship or typing. This phase of preparation is rarely emphasized. Apparently on the same principle, relatively few teachers in subjects based largely on microscopic observation bother much about teaching the use of the microscope. The student is expected to have picked it up from a knowledgeable lab partner back in high school freshman biology. With luck, this training will have been supplemented by figuring out the foreign language in the instruction manual that was left behind in the case in the attic when Uncle Arthur pawned great-granddad's microscope in '31.

Some students, however, will conclude that all microscopy is a fake and will go on to careers in used car salesmanship instead of science. Of the remainder, many will at some later date, and perhaps with the prudence to use their home addresses, order our "Photography Through the Microscope" in lieu of one of the far weightier tomes on microscopy that would be wonderful company if one had five years to spend alone on a coral atoll.

In the course of telling people how to make consistently informative lecture slides, other illustrations, and motion pictures (speeded, slowed, or actual) through the microscope, we have to explain how to adjust a microscope properly in the first place. When the seeing is good, the desire to photograph and the justification to photograph follow. We just happen to

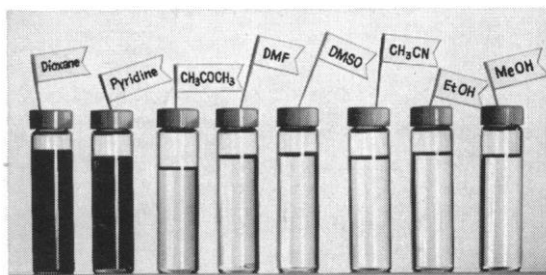
like to see people doing photography.

You'd think we could dispense with the buck for the book. Sorry, but it would be unfair to bury its cost in the price of merchandise that may be purchased for other purposes. We have to charge for the book because too few bucks' worth of our photographic materials produce too much high-grade photomicrography. Thanks, no doubt, to the expository excellence of "Photography Through the Microscope." Only a dollar.

Solvents and solvatochromic compounds

Fifteen years ago we suggested (*J.A.C.S.*, 73:5350)[†] that certain dyes be used as indicators of solvent polarity, but it fell to another investigator (*Ibid.*, 80:3253) to bring the idea off.

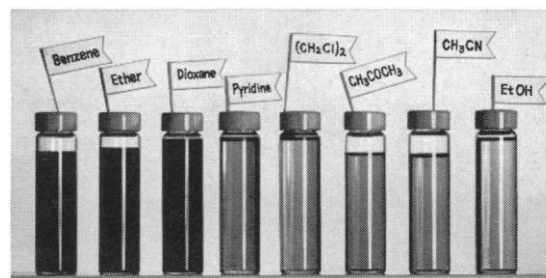
The dye he chose, 4-Carbomethoxy-1-ethylpyridinium Iodide, we now offer as EASTMAN 9765, which shifts its absorption band toward the blue with increasing solvent polarity. Put it into some solvents, look through a band-pass filter that removes the distractions of color, and arrange in the order of decreasing wavelength instead of by dielectric constant. You



now have a series that may relate better to the intermolecular forces that govern solvation behavior than does dielectric constant (*Angew. Chem., internat. Edit. [English]*, 4:29).

A dye that shifts its absorption band in the opposite direction, i.e., toward the red with increase in solvent polarity, is the merocyanine, *N,N*-Dimethylindoaniline (EASTMAN 9766).

Here is another solvatochromic dye, *Pyridinium Cyclopentadienylide* (EASTMAN 10009), seen through a filter that passes only one of its four absorption bands, the one that is most sensitive to a change in solvent polarity (*J.A.C.S.*, 81:856):



There is also [*Bis*(2-hydroxyethyl)amino]-*p*-benzoquinone (EASTMAN 9967). Not only is it solvatochromic but also piezochromic, thermochromic, fluorescent, and soluble in both acid and base (*J.O.C.*, 30:4107).

There must be plenty of occasions in chem labs when it would be handy to look into an eyepiece to find out whether Solvent A is more polar than Solvent B. If this pops an idea into somebody's head, he'd better note that the compounds here mentioned can be ordered from Distillation Products Industries, Rochester, N.Y. 14603 (Division of Eastman Kodak Company). Prices (f.o.b. Rochester, N.Y., subject to change without notice): EASTMAN 9765, 5 g. for \$4.75; EASTMAN 9766, 1 g. for \$3.45; EASTMAN 10009, 10 g. for \$6.60; EASTMAN 9967, 5 g. for \$3.45. With a \$10 minimum on orders, might as well order them all.

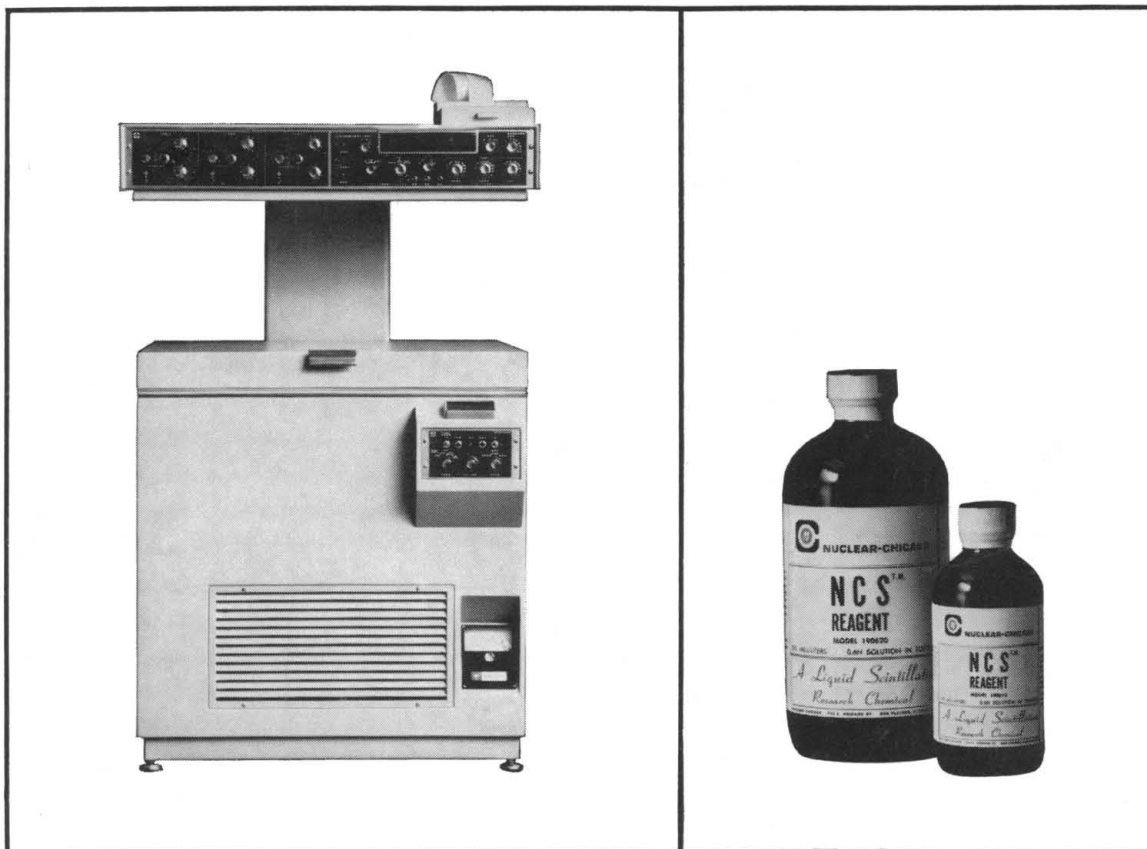
*Some people stack four or five of these types together in a single exposure.

[†]For a more recent publication on the subject from our laboratories, see *J.A.C.S.*, 87:2443.

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