

NEW WILEY BOOKS

A TEXTBOOK IN ELECTRICITY AND MAGNETISM

By **HARRY C. KELLY**, *Associate Professor of Physics, Montana State College.*

This book is intended for use by students both in electrical engineering and in science. The level of the book is intermediate between those textbooks that are decidedly elementary and those that are too advanced for a second-year course in physics. A review of the fundamentals of mechanics and heat is given.

356 pages

6 by 9

\$3.75

TEXTBOOK OF QUANTITATIVE ANALYSIS

By **WILLIAM T. HALL.**

For the usual one-year course in quantitative analysis. Revisions have been made in many sections, such as the one on theory of indicators. Expanded discussions are given in the sections on oxidation-reduction indicators, colloidal solution, flocculation and precipitation, and others.

Third Edition

364 pages

6 by 9

\$3.00

AN INTRODUCTION TO PHYSICAL STATISTICS

By **ROBERT BRUCE LINDSAY**, *Hazard Professor of Physics, Brown University.*

This book is intended to present a brief survey of and introduction to all the fundamental methods of statistical technique now in use in physics. It is suitable for use by graduate students of the first or second year.

306 pages

6 by 9

\$3.75

PROTECTIVE AND DECORATIVE COATINGS, Volume I

By **JOSEPH MATTIELLO**, *Technical Director, Hilo Varnish Corporation, Brooklyn, N. Y., Editor-in-Chief, and a Staff of 38 Contributors.*

The first volume of a comprehensive three-volume treatise offering the latest and most authoritative information on paint and varnish. Volume I comprises twenty-nine chapters on the oils, the resins, driers, thinners and solvents, natural minerals, and others.

819 pages

6 by 9

\$6.00

THE MATHEMATICS OF FINANCE

By **L. R. PERKINS**, *Chairman of the Department of Mathematics, Middlebury College,* and **R. M. PERKINS.**

For undergraduate students at college level who have a grounding in algebra, this textbook offers sound, practical means of applying the tools of mathematics to financial computations. New methods and techniques which make for increased efficiency are suggested.

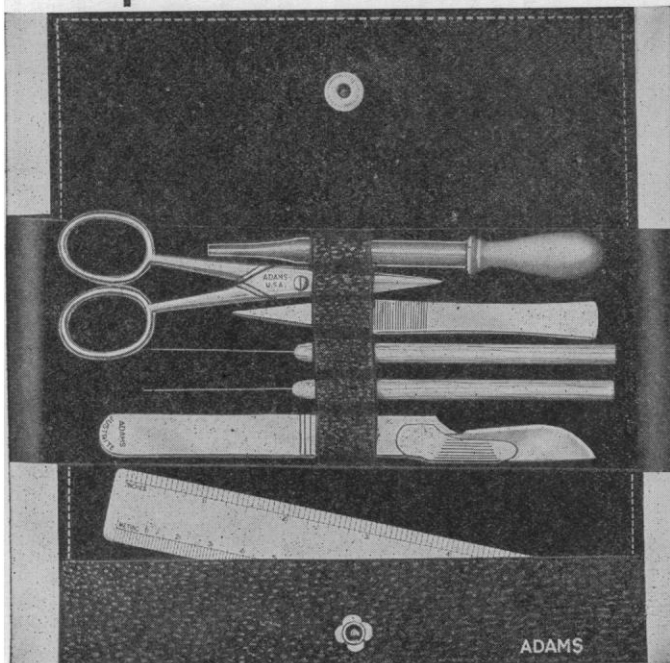
321 pages

5½ by 8½

\$3.25

JOHN WILEY & SONS, INC., 440 FOURTH AVENUE, NEW YORK

A NEW LOW PRICED DISSECTING KIT WITH A REPLACEABLE BLADE SCALPEL



A-199 Dissecting Kit, complete
as illustrated.
Each \$1.25, dozen \$12.50

B-300 Replaceable Blade Scal-
pel, as illustrated in kit.
Each \$.35, dozen \$3.50

B-300X Blades for B-300 Scalpel
dozen \$1.00

*Consult our Catalog No. 102S LABORATORY
INSTRUMENTS AND SUPPLIES for other Kits
and Dissecting Instruments. If you don't have a
copy, please write for one on your letterhead.*

CLAY-ADAMS CO., Inc.
44 East 23rd St., New York

SPECIAL LaMOTTE PRODUCTS FOR RESEARCH

N (1-naphthyl) Ethylendiamine Dihydrochloride
Sulfamic Acid-Cryst.
Ammonium Sulfamate-Cryst.
Benzidine
pH and Oxidation-Reduction Indicators
2-6-Dichlorophenol Indophenol

LaMotte Chemical Products Co.
Dept. "H" Towson, Baltimore, Md.

THE SCIENCE PRESS PRINTING COMPANY

PRINTERS OF
SCIENTIFIC AND EDUCATIONAL
JOURNALS, MONOGRAPHS
AND BOOKS

Correspondence Invited

LANCASTER, PENNSYLVANIA

Make Your Laboratory LOOK BETTER— Make Your Money GO FARTHER!

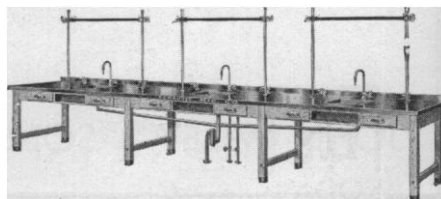
Kewaunee's
"CUT-COST SYSTEM"

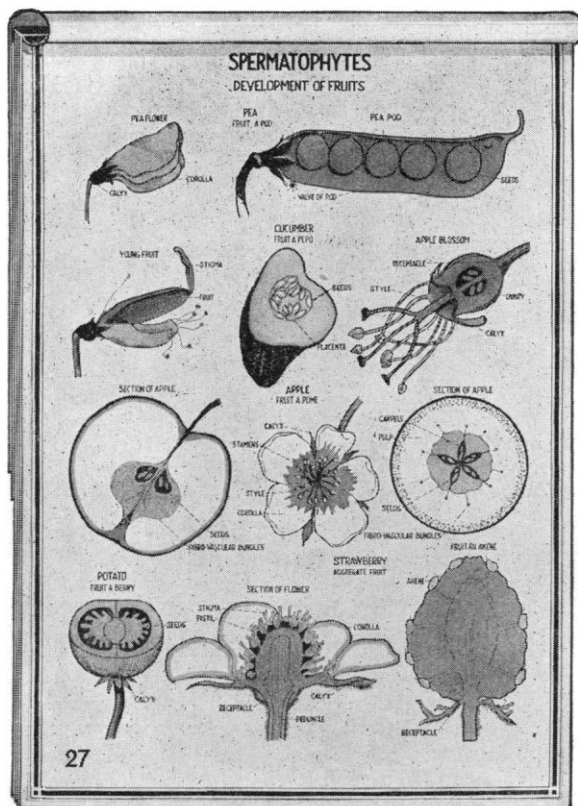
Kewaunee Standard Matched Units give attractive uni-
formity. Costs are lowered because special engineering
is eliminated and large scale manufacturing is made pos-
sible. Installation costs are reduced. Deliveries are
speeded up. Write for Kewaunee Catalogs of Wood and
Metal Furniture.

Kewaunee Mfg. Co. C. G. Campbell, President
LABORATORY FURNITURE EXPERTS 5013 S. Center St.,
Adrian, Mich.

Representatives in Principal Cities

6-Student
Science
Table
No. W-1690





First Edition

SMALLWOOD CHARTS

IN DIAGRAMMATIC COLORS

SIZE 24 x 36 INCHES

BOTANICAL CHARTS or
ZOOLOGICAL CHARTS

Set of 30 each.

With Tripod or Wall Bracket Mounting.

COMPLETE SET, Each \$27.50.

BIOLOGICAL CHARTS—

Set of 60, including all Botanical and Zoological
Charts.

With Tripod or Wall Bracket Mounting.

COMPLETE SET, \$45.00.

ANY SET GLADLY SENT FOR
YOUR INSPECTION.

W. M. WELCH SCIENTIFIC CO.

Established 1880

1517 Sedgwick Street, Chicago, Ill., U.S.A.

DETERMINATION OF VITAMIN B₆

REAGENT—2,6-Dichloroquinonechloroimide

METHOD—Colorimetric

REFERENCE—Scudi, *J. Biol. Chem.*, **139**, 707 (1941)

Specificity, good sensitivity, and a satisfactory degree of stability are advantages of the colorimetric method for the determination of vitamin B₆, with 2,6-dichloroquinonechloroimide. A blue color is formed that can be measured in a visual comparator, spectrophotometer, or colorimeter; the range of concentrations to which the test is applicable varies with the instrument that is used.

The reaction is given only by phenols unsubstituted in the para position; however, any interfering substances can be readily removed from the solution. The reagent is available as a stock compound, as *Eastman 2483 2,6-Dichloroquinonechloroimide*, MP 65-68°.

Write for an abstract of the article in which the determination of vitamin B₆ with 2,6-dichloroquinonechloroimide, is described.... Eastman Kodak Company, Chemical Sales Division, Rochester, N. Y.



There are more than 3400

EASTMAN ORGANIC CHEMICALS

Time It!

WITH THIS
NEW



PRECISION ELECTRIC SPLIT-SECOND TIMER

THE introduction of this unusually precise instrument has been prompted by the fact that modern laboratory procedure presents occasions for timing an increasingly wide variety of processes and operations and by a more dependably accurate method than heretofore offered by even the finest stopwatches and clocks.

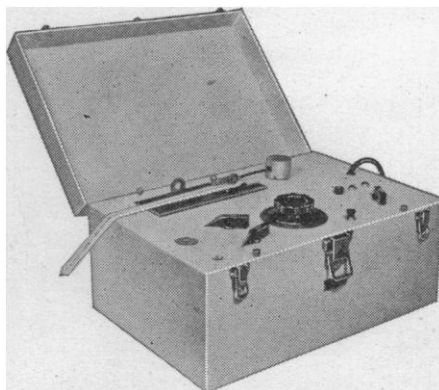
If you have split-second or split-minute interval timing problems in your laboratory work the advantages of this new precision instrument should prompt you to immediately include it on your want list. For example, consider these convenience features:

Resettable to zero from any reading . . .
Operates on 115 volts, 60 cycles A.C. . . .
Eliminates costly adjustments, repairs, errors
in reading and tedious computations . . .
Is sturdily built to withstand hard, long use
. . . . Compactly designed in finely finished
aluminum housing with dust-proof window
over counting mechanism . . . measures only
4 x 5 x 3 1/4 inches . . . Is available in two
models as follows:

No. 38767—Reads direct to 1/10 second,
totalizes to 10,000 seconds (2 hrs., 46 min.)
No. 38768—Reads direct to 1/100 minute,
totalizes to 1000 minutes (16 hrs., 40 min.)
\$29.50
PRICE FOR EITHER MODEL

Chicago Apparatus Company
Science Laboratory Equipment
1735 NORTH ASHLAND AVENUE • CHICAGO, U. S. A.

THE ELECTRO-MEDICAL LABORATORY INCORPORATED HOLLISTON, MASSACHUSETTS U. S. A.

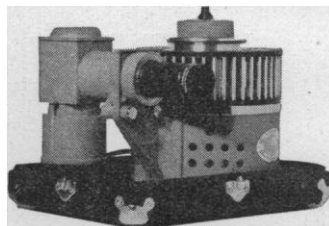


THE JUNIOR GARCEAU ELECTROENCEPHALOGRAPH

AC. Operated, inkless writing.
Makes standard records. No shielding required.
Also available in multiple types with 2 to 20
recording channels.

Write for literature.

"NOW" A NEW "COMPACT" SELECTROSLIDE



to project
your 35 mm.
SLIDES in
COLOR or
B/W

by REMOTE CONTROL at any distance

The complete outfit in case weighs less than 20 lbs. and is not larger than a Portable Typewriter. The "Compact" consists of the "Standard" Selectroslide with quickly interchangeable magazines for 48 Slides and built-in 200 Watt Projector with 3 lens condenser. Price without lens \$165.00
Same equipment but with additional automatic control (2 speeds) \$175.00
Special well corrected 3 inch Proj. lens of great light transmitting power \$20.00
(Detachable lenses of miniature cameras from 2 to 5 inches focal length can also be used.)
Carrying case for entire outfit \$13.50

SPINDLER & SAUPPE, INC.

86 THIRD ST.
SAN FRANCISCO

811 WEST 7TH ST.
LOS ANGELES