HARROW & SHERWIN’S BIOCHEMISTRY

Complete. This book is a uniform, well-balanced presentation of the entire subject of Biochemistry. The work was definitely planned and specifically outlined before a single word was written. It is modern and up-to-date in every respect. It is the work of 30 teachers who have put into it every bit of modern knowledge and their ways of teaching it. Here are the 30 teachers:

A. M. Ambrose
W. R. Bloor
Robert Chambers
P. W. Clutterbuck
Barnett Cohen
G. F. Cori
G. T. Cori
J. C. Drummond
Philip Eggleton
John H. Ferguson
Benjamin Harrow
Michael Heidelberger
Harold E. Himwich
Israel S. Kleiner
John Knaggs
Clifford S. Leonard
J. Murray Luck
E. V. McCollum
Withrow Morse
Irvine H. Page
R. H. A. Plimmer
H. Bailey
Leonard G. Rowntree
Carl L. A. Schmidt
Carl F. Sherwin
Alfred T. Shohi
Harry Sobotka
Warren P. Sperry
Eric T. Stiller
R. Stuart Tipson

The approach to the subject is biologic and the introduction is through a chapter on the Living Cell. Then the presentation proceeds to a discussion of carbohydrates, fats, proteins, nutrition, vitamins, digestion, metabolism, immunology, and biochemistry of bacteria.

Octavo of 797 pages, illustrated. By 30 teachers. Edited by Benjamin Harrow, Ph.D., Associate Professor of Chemistry, The City College, College of the City of New York; and Carl P. Sherwin, M.D., Sc.D., D.P.H., LL.D., Member of the Staff of St. Vincent's and French Hospitals, New York. Cloth, $6.00 net.

RAND, SWEENEY, VINCENT’S THE YOUNG CHILD

Second Edition. The well-merited success accorded this work called for a second edition. To meet this demand the authors thoroughly revised the book from beginning to end, added much new material, included a number of new teaching aids, added Questions and Answers after each chapter, incorporated new facts on the endocrines, the significant advances in feeding and nutrition, and an entirely new chapter on Biological Development.

By Winifred Rand, A.B., B.N., Specialist in Parental Education; Mary E. Sweeney, M.S., M.A., Nutritionist; and E. Lee Vincent, Ph.D., Psychologist, at the Merrill-Palmer School, Detroit. 429 pages, illustrated. Cloth, $2.75 net.

BOGERT’S NUTRITION and PHYSICAL FITNESS

Second Edition. In this thorough revision Dr. Bogert has included the new quantitative basis of measurement, giving tables which show the exact number of units in the vitamin-rich foods. She gives details on the functions of the vitamins, symptoms of low-grade shortage, and the importance of high-vitamin diet. She has added a new chapter on Constipation, including means of its correction. Dr. Bogert’s long and practical teaching experience has enabled her to write a textbook that has received the highest commendation by teachers and students.

By L. Jean Bogert, Ph.D., Formerly Instructor of Medicine, University of Chicago; Consultant in Nutrition, Delineator Institute. 12mo of 666 pages. Cloth, $3.00 net.
KEWAUNEE Furniture

Offers Your School this
THREE-WAY SAVING

1. Save on First Cost.  2. Save Floor Space.  3. Save on Installation Cost.

Besides this three-way saving, Kewaunee Furniture offers greater efficiency in class management and greater incentive for individual accomplishment. It is ruggedly built—and will stand severe use for many years—provides all modern conveniences and offers "things that can't be covered by specifications nor their value expressed in price."

Write today for Kewaunee's Catalog of Laboratory Furni-
ture. It's sent without cost to buyers. Write us on your institution's letterhead.

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

KEWANEEE Furniture

Offers Your School this
THREE-WAY SAVING

1. Save on First Cost.  2. Save Floor Space.  3. Save on Installation Cost.

Besides this three-way saving, Kewaunee Furniture offers greater efficiency in class management and greater incentive for individual accomplishment. It is ruggedly built—and will stand severe use for many years—provides all modern conveniences and offers "things that can't be covered by specifications nor their value expressed in price."

Write today for Kewaunee's Catalog of Laboratory Furni-
ture. It's sent without cost to buyers. Write us on your institution's letterhead.

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.

PERFECTUM MICROSCOPE SLIDES
Offered in three qualities. Non-Corrosive. Packed in 1/2 gr. cardboard cartons.

PerfeKturn MICROSCOPE COVER GLASSES

Not "shatter-proof" but HARD
Not "Quartz"- but NON-CORROSIVE
Not "mathematically accurate"—but CORRECT IN DIMENSIONS

PerfeKturn Products
are available through your own Supply House
or write

POPPER & KLEIN
General Distributors 300 Fourth Ave., N. Y.
For Heavy Service in the
Chemical Laboratory—

THE CENCO
DOUBLE BEAM-AGATE BEARING TRIP SCALE

The bearings are six polished agate shelves of large dimensions, carefully cemented in aluminum alloy hangers, a great improvement over bearings made of a hand-filed groove in a rough casing. The index and the beams, one of which is graduated from 0 to 10 grams by 1/10 gram and the other graduated from 0 to 200 grams by 10 grams, are of German silver etched and filled with black enamel. The pans are of vitrolite. The whole combination is one of pleasing design and being made of non-corrodible material will remain unaffected by laboratory fumes.

The capacity of the Cenco-Improved Trip Scale is 5000 grams as contrasted to similar balances of light construction and of but 2000 grams capacity. For weighings of 210 grams or less no loose weights are required. The guaranteed sensitiveness, determined by the method of swings, is 1/2 gram under the full load of 5000 grams, 2/10 gram with 2000 grams and 1/10 gram with light loads. This degree of sensitivity is permanent and does not decrease with use.

3560. Cenco Double-Beam Trip Scale  -       -       -       -       -       $9.75

CENTRAL SCIENTIFIC COMPANY
LABORATORY SUPPLIES
Apparatus and Chemicals
NEW YORK-BOSTON-CHICAGO-TORONTO-LOS ANGELES
BOSTON
79 Amherst St.
Cambridge A Sta.
CHICAGO
1700 Irving Park Blvd.
Northcenter Sta.
THE NATION'S Calling LIST

THE telephone directory is the nation’s calling list. Millions of people refer to it daily — in homes and offices and in public pay stations. It is the busiest book — it plays a part in countless activities.

For the names in the telephone book are more than names. They are friendships and homes and families. They are bridge parties and golf games — business successes — buyers and sellers of wheat or pins or skyscrapers.

More than 12,000,000 names are listed in the directories of the operating companies of the Bell System. You can go straight to any one of these millions of people — easily, quickly, and economically — by telephone.

The classified directory is an important feature of your telephone book. It is a handy, reliable buying guide — a quick, easy way to find "Where To Buy It."

BELL TELEPHONE SYSTEM
BURETTE MENISCUS READER, A.H.T. Co. Specification. With improved type of background, quick-acting clamp and focusing lens. Designed primarily for observing the position of the meniscus of an aqueous liquid in a burette, which is sharply defined as a curved black line against a white field. Can be used with tubes of from 6 mm to 21 mm diameter, the depth of focus of the lens being sufficient to permit superposition of lines on the front of a tube with those on the back—on burettes with all-round graduations—avoiding parallax. Observations can be made with either reflected or transmitted light and position of the meniscus at a mercury-gas or mercury-water interface can be accurately observed. Construction is rigid but light in weight, being of aluminum finished in dull black.

Thermometer reading attachment contains a lens of greater magnifying power than that supplied for use with the Burette Reader and of different depth of focus.

THERMOMETER READER, A.H.T. Co. Specification. With improved type of background and quick-acting clamp exactly as furnished with No. 2502 Burette Meniscus Reader, but with a higher power magnifying lens so mounted that reflections from the surface of the outside tube of an enclosed scale thermometer such, for example, as a Beckmann thermomter, are reduced to a minimum. This greatly increases the ease and accuracy of reading a thermometer scale graduated in small intervals.

The Burette Meniscus Reading Attachment contains a lens of lower magnifying power and of different depth of focus, mounted in a shorter tube.

ARThUR H. THOMAS COMPANY
RETAIL-WHOLESALE-EXPORT
LABORATORY APPARATUS AND REAGENTS
WEST WASHINGTON SQUARE
Cable Address, BALANCE, Philadelphia

PHILADELPHIA, U. S. A.
ANSWERS EVERY NEED IN PETROGRAPHICAL MICROSCOPY

The Precision required for exacting petrographical microscopy, the sturdiness necessary for years of service, and the very latest developments in microscope design have all been combined in the B & L Model LC Microscope with the following advantages:

1. Well balanced, stable stand.
2. Extra clearance of arm and body tube to allow the use of the Universal Stage.
3. Large diameter eyepieces which give wider fields.
4. Focusing and centerable Bertrand Lens.
5. Improved polarizer and analyzer.
6. 1.10 N.A. and 1.40 N.A. Interchangeable condensers.
7. Quick changing, centerable nosepieces.
8. Available accessories for measuring optical characteristics.

Complete details on the LC Microscope will gladly be sent on request. Bausch & Lomb Optical Co., 642 St. Paul St., Rochester, New York.
from areas of the same leaves obtained with a planimeter.

JOHN W. MITCHELL

BOTANY DEPARTMENT
UNIVERSITY OF CHICAGO

A SIMPLE QUARTZ MERCURY ARC
The small and inexpensive arc to be described has proved to be exceedingly useful for many laboratory purposes. It can be used conveniently with a monochromator or filters to obtain fairly intense visible and ultra-violet monochromatic radiations. In our laboratory it has been used for the following purposes: (1) In conjunction with a quartz monochromator and quartz microscope to make photomicrographs with visible and ultra-violet monochromatic radiation and to study the effects of these radiations on microorganisms.1 (2) In conjunction with a microscope to make cinema films of microorganisms. (3) For dark field photomicrographs. (4) As a source of ultra-violet radiation for fluorescence microscopy. (5) With filters as a monochromatic light source for the polariscope. (6) As a light source for studying Raman spectra.

The arc can be made in practically any shape to meet specific experimental requirements. Two types which will satisfy most requirements, one having a vertical and one having a horizontal discharge tube, will be described.

<table>
<thead>
<tr>
<th>Fig. 1a</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fig. 1b</td>
</tr>
</tbody>
</table>

Following are instructions for constructing the arc (see Fig. 1 (a) and (b)): A clear fused quartz tube 25 cm long with an approximate bore of 8 mm is pulled down to about 0.5 mm bore at B. This is done to prevent the arc from oscillating. The tube is then pulled down to 3-4 mm at D, which is the part in which the arc is maintained. The tube is also pulled down at F to a 1-2 mm bore. This constriction serves to diminish the heat conduction to G. The tube is then bent into the desired form; the horizontal type is shown in Fig. 1 (a) and the vertical type in Fig. 1 (b). The tube is then filled with very clean mercury and heated until all air bubbles are expelled by boiling. A tight-fitting cork stopper containing an iron electrode is inserted into G. A small flat head stove bolt serves admirably, for the nut can be turned up so as to expand the cork, causing a tight fit when the cork has been inserted into the tube. A loose-fitting stopper is inserted at A so as to allow air to escape when the mercury column is heated. The arc is operated from a 110 V. D.C. circuit in series with a 1.5 ampere 100 ohm variable resistance (a 150 watt lamp will often suffice). The arc is started by heating at D with the flame of a Bunsen burner until the mercury is separated by the vapor pressure of the mercury. When the arc is struck, about one ampere flows through the circuit. An inductance placed in series often improves the operation of the lamp. The portions C and E are made larger to provide more cooling surface. Part C of the vertical lamp tends to become too hot, causing the arc to migrate from D to C and it is sometimes necessary to wind copper wire about this part to cool it adequately. In the horizontal type a holder, made of ¼” lead sheet, as indicated in Fig. 1 (a), provides adequate cooling surface to stabilize the arc. Lead is used on account of its flexibility and weight. For use with the microscope, the holder can be made so as to facilitate placing the arc just under the condenser and thus eliminate the use of a mirror. A fan can be used to prevent excess heating of the microscope.

A. J. ALLEN

BIOCHEMICAL RESEARCH FOUNDATION
OF THE FRANKLIN INSTITUTE
Dr. Ellice McDonald, Director

BOOKS RECEIVED


HOAGLAND, HUBERT. Pacemakers in Relation to Aspects of Behavior. Pp. x+138. 34 figures. Macmillan. $3.00.


SHULL, A. FRANKLIN. Evolution. Pp. x+312. 64 figures. McGraw-Hill. $3.00.


CLEAR, complete explanations without oversimplification are a most important feature of this new textbook. The sequence of subjects is believed by the authors to be the most suitable one for classes beginning in the autumn. In determining this sequence, the authors have taken into consideration not only the logical advantage of passing from the relatively simple to the more complex, but also the expediency of introducing a subject when living materials are available for its study. Thus, coloration in plants is discussed first, followed by a consideration of the cell and then of the leaf and its physiology. The root has been taken up before the stem because the former is relatively a simpler structure. Special emphasis is placed upon physiology and growth and metabolism.

**Special Features**

Throughout the first part of the book, the physiology of an organ is considered in connection with its structure in general, but not at the expense of other phases of the subject.

In Part II, devoted entirely to a consideration of the different groups of plants, an attempt has been made to give an adequate and balanced survey of the plant kingdom without undue emphasis on any one group.

The book is up to date, presenting the latest developments on the life history of the lily and the life history of the pine.

The chapter on growth is more complete than usual.

Stress is laid on the physiological importance of color.

The illustrations are, with few exceptions, new and original with the authors, who have endeavored to make them correct in every detail. Microscopic views of plant tissues are mostly either photomicrographs or camera lucida drawings of actual structures.

In mimeographed form, this book has been used for several years by the authors and by others in classes consisting of students in agriculture, the liberal arts, and the sciences.
Even Boiling Alkalies* do not affect this new WHATMAN Filter Paper

WHATMAN Filter Paper No. 41 H is a rapid filtering Ashless Filter Paper that has been hardened until its wet strength is several times that of ordinary Filter Papers. The most careless laboratory boy with the most potent wash bottle stream will not puncture No. 41 H.

For Iron and Alumina, Silica when not too fine, Organic Precipitates, etc., No. 41 H is excellent.

Acids and alkalies in usual working concentrations do not affect it and circles can be removed from the funnel, washed and replaced without fear of tearing.

The ash weight is negligible, only .00005 gram in the 11 cm size, while prices are no higher than those of ordinary Ashless Filter Papers.

* In all usual concentrations met in Analytical Work.

Send for samples and test this remarkable paper today.

H. REEVE ANGEL & CO., INC.
7-11 SPRUCE ST., NEW YORK, N. Y.

Service characteristics during more than one year of widely spread application definitely established the success of the Sargent Constant Temperature Water Bath.

Underlying the added convenience and greater accuracy of reading resulting from complete visibility of immersed work are the significant essentials of correct engineering of control units which are directly responsible for the reliability of performance over long periods of time.

The effective concentration of heating and circulating facilities into one compact unit has not only resulted in larger unobstructed working area ratios, but has provided a much more effective circulating system as well as a more efficient application of heat. The rapid and complete circulation of this large volume of water is accomplished by a turbine with a highly efficient screw impeller and fast heat transfer is made possible by the application of heat at the point of most rapid circulation of water. As a result, no temperature differences perceptible to a Beckmann thermometer can be detected in any part of the bath.

Current flowing through the regulator contacts is reduced to 0.05 of a micro ampere by the Sargent Zero Current Relay Unit, permitting the use of the convenient type of regulator which operates in the atmosphere without progressive deterioration of the regulator contacts. Consequently, any selected temperature is maintained with an accuracy of plus minus 0.01° C indefinitely without need for readjustment.

For conditions requiring maintenance of only one temperature a fixed regulator permanently adjusted to any desired temperature may be supplied. This type of regulator is convenient and protected from tampering.

Complete with Pyrex container, central circulating and heating unit with motor, cooling coil, constant level device, Sargent Zero Current Relay Unit and cord and plug.

For 110V. 60 cycle or 220V. 60 cycle $150.00
For 110V. 50 cycle or 110V. D. C. . . 155.00

SARGENT
E.H. SARGENT & CO. CHICAGO

LABORATORY SUPPLIES
155 E. SUPERIOR ST.
CHICAGO, ILL.