

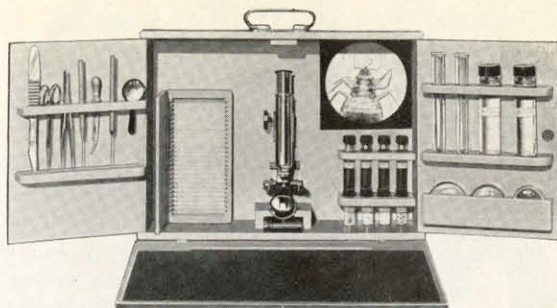
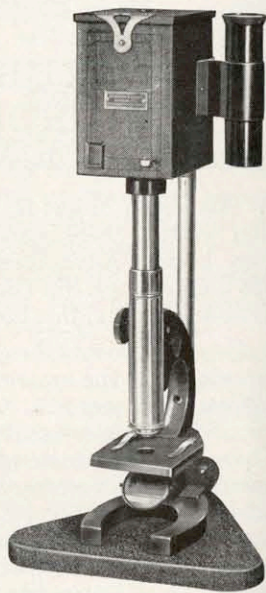
108  
MICROSCOPE  
EQUIPMENT  
*for the*  
AMATEUR

## THE PHOTOMICROGRAPHIC OUTFIT

● Here is what every amateur has wanted! With this Outfit you can make photomicrographs as inexpensive and as easy as snapshots.

The Outfit consists of a camera, focusing tube, base, clamp and light-tight connector. The microscope (any make) is clamped to the base, where it is held firmly. The focusing tube, at the side of the camera, is rested on the microscope's eyepiece, and the microscope manipulated until the image is sharp and clear. Then the camera is swung over the eyepiece and the exposure made.

Ordinary Eastman roll film No. 127 or equivalent is used. The picture will be as sharp and as rich in detail as the quality of your microscope will permit. Price of this Bausch & Lomb Photomicrographic Outfit is \$12.00. Instruction book "Amateur Photomicrography" is included free. This book sells for 75c separate from the Outfit.



## THE NEW GEM SCIENCE KIT

● A complete portable laboratory for making permanent slides of specimens. Now it is easy to build an extensive slide library that will excite comment and admiration—here are the materials and equipment. Nothing like it on the market!

Unique solid walnut case, nickel mounted. Front lets down to form work bench. Inside are racks for slides and 49 pieces of equipment—fixers, hardeners, stains, clearers, dissecting instruments, cover glasses, petri dishes, specimens, etc., etc., etc.

Book of directions on how to mount different types of slides. Complete, ready for you to open up and go to work, \$9.50 without microscope. \$24.00 with New Gem.

## PROFESSIONAL MICROSCOPES

● For the advanced worker, whose needs are not as exacting as those of the research laboratories, Bausch & Lomb manufacture several models. When low or medium magnification is desired, with precision characteristic of Bausch & Lomb, the FS microscope marks a standard of high achievement. As a general purpose instrument the FS answers every purpose of elementary biological and general industrial laboratory for a precise compound microscope.

Obviously the many details of such an instrument cannot be compressed into few words. Literature is available on request, or models may be inspected by the serious inquirer, by arrangement. Prices range from \$83.00 to \$131.00.

Bausch & Lomb microscopes, representative of the greatest versatility and excellence now practicable, are supplied to scientists and institutions.

*Bausch & Lomb can supply any type of precision optical instrument for science, education, industry or the amateur.*

## MICROSCOPY AS A HOBBY

● Worlds within worlds! All around you there exists an invisible universe whose jungles, beasts and beauties put our familiar world to shame. Down there in that land great monsters smaller than the point of a pin, battle, feed, die; strange plants that are really animals bloom and suck into their "flowers" their living food; tiny crystals achieve the glory of a South Sea sunset; a bit of dust reveals unimagined mysteries.

The golden gate into this magic world is the microscope. Like Alice Through the Looking-Glass, you step through its crystal doors into a country where common things reveal unsuspected wonders and every new sight brings a gasp of astonishment.

Not bacteria, you understand, not the germs of disease—they are a totally uninteresting study for the beginner, being only points of light under the microscope, except to the college trained technician. Specimens for your microscope come from ponds, flower vases, the garden, pantry—within a stone's throw of your front door are enough exciting sights to keep you busy for years.

Make microscopy your hobby and you have entered the fields of thrilling science, joined fun with education and found a pleasant occupation for spare moments both Winter and Summer.

And remember this, Amateur Microscopy, is one of the most inexpensive of hobbies. With reasonable care microscopes do not wear out. Other necessities for microscopy can be taken from your medicine chest or pantry, or cost only a few pennies apiece.

## BAUSCH & LOMB SUPERIORITY

● Every maker of microscopes claims advantages for his own instrument, and in this conflict of claims a buyer often becomes confused. Here are some facts which may prove helpful.

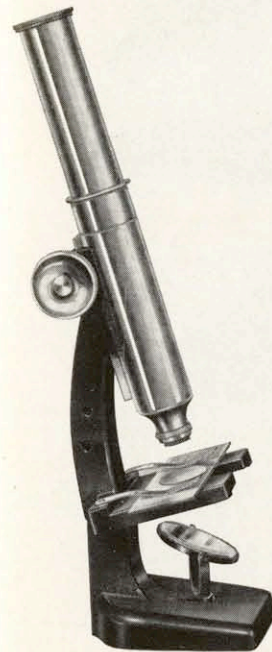
Bausch & Lomb has been making optical instruments for eighty years. It is America's leading optical institution. From its large Scientific Bureau and great factory come the precise scientific instruments used in the laboratories of the world. From Bausch & Lomb you can buy microscopes costing as much as \$1000.00 or more.

When this great company speaks of precision it means millionths, not thousandths, of an inch. When it speaks of quality it refers to the highest obtainable. The Bausch & Lomb name on any product guarantees to you that this product is the finest that can be produced in its price class.

The scientific equipment offered in the following pages has been designed by Bausch & Lomb especially for the amateur. Everything described there is backed by the famous Bausch & Lomb name. The microscope optics are made of the same optical glass that goes into the professional microscopes. The lenses are ground and polished to an accuracy of eight millionths of an inch. The mechanical construction and the quality of the material is obviously superior.

## THE NEW GEM MICROSCOPE

● At \$14.50 the New Gem is truly an exceptional value. In the vital feature of "resolution" among amateur 'scopes, it is second only to another Bausch & Lomb microscope—the Model R, at \$21.00. This permits the making of photomicrographs that are the envy of those who use a less precise instrument.



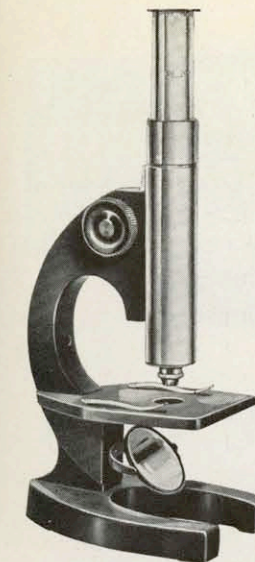
The Gem magnifies 72 to 150 diameters. An additional objective lens, for \$2.50, increases the magnification to 300 diameters. A third objective can be added to raise the power to 375 $\times$ ; \$2.50 also. So precise is the optical system that even at the greatest magnification there is none of the blurry color-fringe characteristic of inferior lenses. The many Gem advantages are worth seeing. Price \$14.50 with one objective (75 $\times$  to 172 $\times$ ) and Book I, "Microscope Experiments" free. Extra objective and Book II, "Microscope Experiments" free, \$2.50. See next page for details on "Microscope Experiments."



## "MICROSCOPE EXPERIMENTS" (TWO BOOKS . . . BOTH FREE)

● Book I tells how to care for your New Gem, and how to use it. It is liberally illustrated, and contains 20,000 words of strictly scientific information, written in simple English. Beginning with instructions for setting up the instrument (a simple operation) it covers the gathering of specimens, tells how to identify and classify them, instructs in the interesting yet easy methods of preserving and permanently mounting. Given free with every Gem Microscope. Otherwise 75c.

Book II, equal to Book I in size, length and illustrations, fills the need of the user of magnifications between 150 and 300 diameters. Hence, it is given free to those who buy the additional lens; otherwise the price is 75 cents, postpaid.



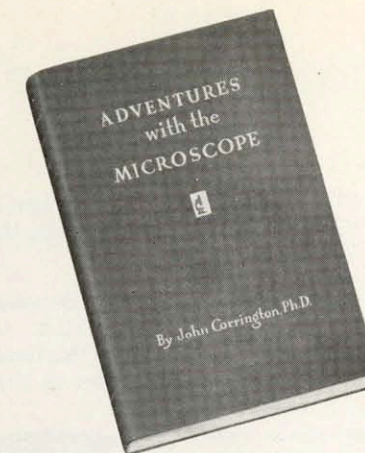
## MICROSCOPE Model R - \$21

● This newest addition to the Bausch & Lomb microscope line was designed to supply an instrument which, without possibility of doubt, would offer microscopists valuable features obtainable heretofore only at a much higher price.

Its outstanding superiority lies in its optical system—which is of course the very heart of any mi-

croscope. The exceptionally high power of resolution yields images to be expected only in a far costlier instrument. The price includes two objective lenses, giving magnifications of 75 to 300 diameters.

Of polished bakelite and chromium, Model R resembles the most modern curved-arm microscopes used for specialized scientific laboratory and clinical work. It may be used as a micro-projector and for photomicrographs. Before you buy any microscope, see this Model R and its many features. Solid walnut carrying case, 440 page book (see next page), 7 blank slides, specimen slide, instruction book on Model R included; price—\$21.00 complete.

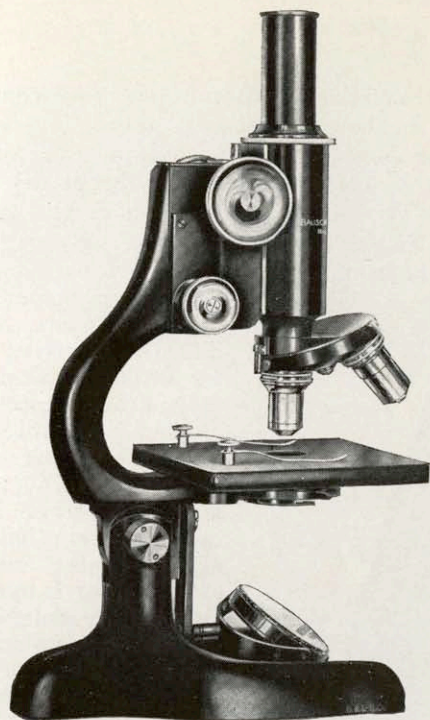


## "ADVENTURES With The MICROSCOPE"

(\$7.50 . 440 Page Book, free with Model R)

● With each Model R, in addition to the instruction booklet, there is given free a copy of the 440-page book, "Adventures With the Microscope." 365 illustrations, like the usual scientific volume in size and binding, this book retails for \$7.50.

This book covers the entire field and was written especially for the amateur. No other book on the subject compares with it for completeness, clarity, scientific exactness and simplicity of its English. There is material enough to carry an industrious microscopist for years to come, leading him from the initial care of the instrument through breeding and gathering of specimens, identification, staining, dissecting, mounting, and into deeper specialization as he grows more skilled.



**The F S Microscope**  
BY BAUSCH & LOMB

A CENTURY OF PROGRESS 1934



**Bausch & Lomb Optical Company**  
Rochester, New York

*The only scientific optical instrument manufacturer  
making microscope equipment for the amateur!*