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I have no connection with any camera company

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back to my "Orphancameras" manuals /flash and light meter site

Only one "donation" needed per manual, not per multiple section of a manual! The large manuals are split only for easy download size.



# new... Automatic exa



The Automatic Exa is one of the world's most prized cameras. It gives you the advantages of 35-mm. automatic single reflex photography. A streamlined version of the Exakta, the Exa is a marvel of 35-mm. precision miniature engineering which has become one of the most sought-after additions to the working shelf of the most critical camera fan. Measuring only 5"x3½"x 2", the Exa is small, and can be put into your pocket. The Exa is so designed that most Exakta equipment is interchangeable with its own. Every Exakta owner will find the Exa to be a welcome fulfillment of his wish for a second camera for himself, or as a gift for his family or favorite friend.

With its single reflex design, the Exa provides you with a preview of the exact, true picture that your film will record as seen in the viewfinder. As thousands upon thousands have discovered, the Exa is one of the mightiest little giants in all photodom.

Exa with Penta Prism and Split-image Rangefinder and 50-mm., f/2.8 Isco Westanar lens with Automatic 

Exa with waist level reflex finder and 50-mm., f/2.9 Meritar lens with Preset Diaphragm ...... \$79.50

Exa camera, body only, with waist-level reflex finder ......\$59.50

YOUR DEALER WILL GLADLY SHOW THIS EQUIPMENT TO YOU





**EXAKTA BELLOWS EXTENSION** 

The ability of the human eye to shift its focus, in a split second, from the palm of your hand to an object a few feet away is duplicated in your Exakta when it is equipped with the amazing Bellows Extension. With this simple bellows extension and lens attached to your camera, an incredible range of focus is yours. You can focus with needle sharpness from infinity down to 9 inches with nothing more than the turn of a single knob. Telephoto photography, hyperclose-ups, and everything in between are yours without changing, adding, or interchanging equipment.

This newest advancement in single lens photography aims at adding to the already fabulous versatility and range of your Exakta.

The Exakta Bellows Extension pictured here consists of a bellows extension and a special short barrel coated Steinheil f / 4.5. 105-mm lens with click stops. The Extension Bellows is priced at \$34.50. The Steinheil lens with Exakta adapter for bellows extension is \$31.50.

### NEW EYEPIECE FOR PENTA PRISM

New Eyepiece for Exakta eliminates disturbing side glare when Penta Prism Viewfinder is used. Eyepiece rotates. Can be used with both left and right eye. Photographers who wear glasses can have a correction lens corresponding to their prescription inserted into Eyepiece, thus eliminating the need for glasses when focusing.



### GIANT RELEASE KNOB

For easy, non-shake shutter release. Can be used on all Exakta and



### REWIND LEVER

For Exakta I, II and V only. Enables rapid rewinding after ex-





# THE 21/4 x 21/4-INCH EXAKTA 66

Photographers prefer the Exakta 66 because of its versatility, large film size, and ability to render perfect results no matter what the assignment. The single lens reflex principle insures complete elimination of parallax at all times, and provides a brilliant ground-glass image. Control over depth-of-field is always in the hands of the photographer who can choose his area of sharp focus by visual observation and with absolute precision. The ground-glass image, large and life-like, eliminates completely squinting and eyestrain, makes picture-taking comfortable and allows the photographer to concentrate on his subject.

The large negative size,  $2\frac{1}{4} \times 2\frac{1}{4}$  inches (6 x 6 cm), provides the advantage of grain-free enlargements up to 16 x 20 inches and beyond. This, combined with a sharp-cutting lens, insures superlative definition which will easily surpass the most critical standards.

Standard lens equipment is the matchless f/2.8 Carl Zeiss Jena Tessar 80-mm lens with pre-set diaphragm, focusing range from 3 feet to infinity, and stops down to f/22. Viewing is through the lens at all times. You see precisely what you get with focusing at maximum aperture, shooting at any pre-determined aperture with a simple twist of the wrist. The built-in magnifier further insures absolute critical focusing. In addition, the snap-up folding viewfinder is combined with an eye-level sportsfinder for complete follow-focus versatility when your subject is in motion.

The "66" offers the unique Exakta range of shutter speeds, including 1/1000, 1/500, 1/250, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, 1/150, and 1/150 second, plus 1, 2, 3, 4, 5, 6, 7, 8, 9, 11 and 12 seconds along with Bulb and Time settings. A self-timer, which operates at both fast and slow speeds, is also built-in.

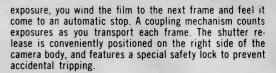
Popular 120 rollfilm, available anywhere, is used either color or black-and-white, to provide twelve 2½ inch square pictures. Film wind is linked with shutter cocking, for swift and efficient picture-taking, as well as double exposure prevention, although provision is made for intentional double exposures. In the back of the body you will find a built-in indicator to tell you when the first frame is in taking position. The film transport mechanism locks automatically after winding and until exposure. After











Telephoto lenses all interchangeable in split-seconds with the fool-proof Exakta bayonet mount, are now offered. Focal lengths range from 135mm to 400mm. No extra viewfinders are ever needed, since each lens provides through the lens viewing with all its attendant advantages.

Close-up work with the Exakta "66" is equally simple. Attach the bellows extension to the bayonet mount, or use a set of extension tubes. You'll see the image of the subject right on the ground-glass up until the exact moment of shutter release. As with the lenses, no special view-finders are necessary. What you see is what you get.

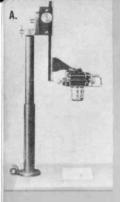
The "66" is fully synchronized for both regular and electronic flash. A single, foolproof outlet at the left, top side of the camera is used for all flash connections. Synchronization delay time is completely adjustable from 0 to a full delay of 20 milliseconds.

Designed to fit into your hand and especially balanced for handling, the Exakta "66" is  $5\frac{1}{2}$  inches high,  $4\frac{1}{2}$  inches deep and  $4\frac{1}{2}$  inches wide (without its lens). All operating mechanisms are conveniently located on the right side of the camera body.

Additional features: a film-notes device, loops for neckstrap and tripod sockets on both bottom and side.

Exakta 66 (21/4x21/4) with f/2.8, 80mm. Zeiss Tessar lens, with pre-set diaphragm Leather carrying case for Exakta 66... Flashgun for Exakta 66 (B.C. Capacitor)..... 15.50 f/3.5, 135mm. Hugo Meyer Goerlitz Primotar Telephoto lens, pre-set diaphragm .. f/3.5, 180mm. Hugo Meyer Goerlitz Primotar Telephoto lens, pre-set diaphragm 149.50 f/5.5, 400mm. Hugo Meyer Goerlitz Tele-Megor Telephoto lens, pre-set diaphragm.. 199.50 Versal Assembly, Complete Outfit.....(For Versal, Parts only, see page 31) 177.50 Bellows Extension for Exakta 66. 89.50 Ihagee Set of Extension Tubes with Adapters.... 46.00 Ihagee Two-in-one adapter for Exakta 66-for extremely short extension 21.00





Arrangement used for copying books, documents, or other materials.

This setup consists of 1 2 4

Setup recommend-ed for making magnified copies.

This setup consists



This setup consists of (1) (2) (4)

Setup for photomicrography.

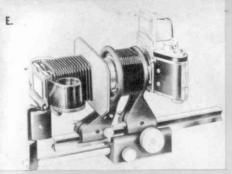
of (1) (2) (3) (6)

# THE VERSAL\*... ingenious multi-use unit for the Exakta

To genuine camera enthusiasts. Versal\* is a well-known family name. It is the name given by Exakta to that compact, co-ordinated, cleverly designed family of accessories created to help the Exakta devotee achieve the fullest potentialities of his instrument. Whether exploring the amazing universe contained in a single drop of rain or probing the sheer, miledeep precipice in a great canyon via telephoto lens, the immensely versatile Versal Assembly enables the Exakta fan to perform virtual miracles of varied photography.

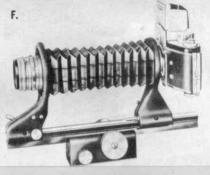
The explorers of nature, the industrial engineer, the medical researchers - are just a few of the kinds of specialists, not to mention photography hobbyists, who daily conquer new frontiers with the Versal-equipped Exakta. For the serious Exakta practitioner, a whole new world of photo-exploration is opened up, by means of the multi-use Versal Assembly.

\*In Germany it is called "Vielzweck".



Special duplicating setup for making copies of color and black-and-white transparencies

This setup consists of (2) (3) (5)



Bellows unit for hyperclose-up photography and portraiture.

This setup consists of (2) (3)



In essence, the Versal consists of several basic, co-ordinated units, each intended to increase the value and scope of the Exakta, Precision-made, they can be used separately. of course, or in many different combinations with the Exakta. There are the wooden baseboard with metal post; a bellows and rack unit and a special transparency duplicating unit. Through the baseboard-with-post unit setup, the copying of book pages, artwork, legal and other documents is easy. Bellows use is optional here. Still Stereography is made swift and professional via the sliding arm that mounts on the post and permits the camera to move sideways as much as 430-mm. When the bellowsrack unit and light trap are secured to the post, whole new techniques of photomicrography become possible: a single adjustment of the bellows allows instant change in the scale of enlargement.

Used alone or on a tripod with the Exakta, the bellows-rack unit provides the photographer with a magnificent instrument for extra-close work and for unobtrusive portraiture. (The bellows permits a continuous extension of from 35-mm. to 220-mm. and has a measuring scale marked for every 20-mm). In addition, for fast speed shots, the camera can be held in the hand, with the bellows attached. Should more extension be required, extension tubes may be added between the lens and the front part of the bellows.

The duplicating of all kinds of transparencies becomes a process of assured fidelity, much greater speed and markedly simpler operation, with the Versal Transparency Copying Attachment.

In short, the Versal Assembly adds an incalculable new range of rich possibilities for the Exakta owner, whose instrument is already outstanding for versatility in the field of 35-mm, photography.

# Versal Assembly [and Components]

1) Baseboard Metal Post Arrangement	\$50.00
2 Sliding Arm with Calibrated Scale	30.00
3 Bellows Extension	35.00
A Rotating Angle Bracket Assembly	20.00
(5) Transparency Copying Attachment	35.00
(6) Light-trap Tube for Photomicrography	7.50

Versal Assembly, Complete Outfit......\$177.50 The Versal Assembly can be purchased as a complete unit or in individual parts. please note:

Setup in picture D includes a light-trap tube cludes a light-trap tube for Photomicrography (6) and a special light shield tube (2) The light-trap tube (6) is available from us. The special light shield tube (7) is available only from the propulativer of your manufacturer of your microscope.

# B. C. FLASHGUN

With the care and attention to details which typify the design and manufacture of all Exakta accessories, the Exakta B.C. (battery capacitor) Flashgun has been precision engineered to the needs and requirements of the Exakta. Because of this, there are no lost shots, no flashbulb failures, no shorts. It synchronizes with the Exakta shutter on all speeds. No wonder the Exakta B.C. Flashgun is so popular with Exakta photographers!

Compact in design, it features a highly polished reflector just a bit higher than the camera itself, and a battery case no larger than a kingsize pack of cigarettes. Maximum durability is assured.

Attached snugly to the tripod socket of the Exakta by means of an aluminum bracket, the B.C. Flashgun features an outlet for extension flash and an approved cord which plugs into the flash sockets of the Exakta; features a safe, direct, bulb ejector. Utilizing inexpensive small-sized bulbs, the Exakta B.C. Flashgun provides balanced, controlled lighting required to secure excellent pictures. Similar model is also available for Exa.



### MAGNEAR LENS VIEWFINDER

The Magnear is a scientific viewfinder perfected by lhagee for the Exakta. It is interchangeable with the penta prism and waist-level finders and is especially valuable for close-up photography and photomicrography. The Magnear has a bayonet mount at one end that accepts an Exakta lens. At the other end is a focusing glass, available ground or clear. When using the Magnear, the Exakta picture-taking lens serves as a distortion free magnifier because it has been highly corrected and is free from all optical aberrations and color fringing which inevitably occurs in a simple uncorrected magnifier. A standard 50-mm lens when used with the Magnear renders a 5x magnification. The Magnear is used in conjunction with the picture taking lens of the camera and employs this lens as a magnifier through which the image may be critically examined and focused. The lens is set at infinity.

All normal and special ground or clear focusing glasses may be used in the Magnear. With a partially or fully clear focusing glass, the image is easily and quickly visible. Normal or long-focus lenses used with the Magnear permit one to examine the whole screen area, whereas with a 40-mm lens the range of vision is somewhat limited so that only the middle part of the image is seen. Additional magnifications can be obtained when holding the Zeiss Jena Tellup Telescopic Magnifier over the Magnear as a supplementary focusing device. The Tellup renders a 2.5 times magnification. The total magnification results from multiplying the lens magnification with that of the Tellup (2.5) Telescopic Magnifier.

Magnear with ground glass	\$21.00
Magnear (ground glass) with 50mm, f/3.5 Zeiss Tessar	59.50
Ground glass with clear center spot and hairline cross	16.00
Zeiss Tellup Telescopic Magnifier (for additional magnification)	18.00

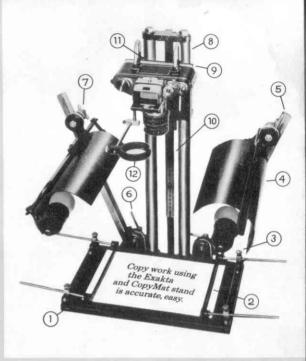
### MAGNIFICATION TABLE

Page 26

	MAGNEAR PLUS LENS
Magnear plus	40mm focal length lens7.0 times
Magnear plus	50mm focal length lens
Magnear plus	58mm focal length lens4.9 times
Magnear plus	75mm focal length lens
Magnear plus	100mm focal length lens2.8 times
Magnear plus	135mm focal length lens 2.1 times

WITH ZEISS JENA TELLUP ADDED	
with Tellup17.5 times	YOUR
with Tellup13.5 times with Tellup12.3 times	100 K
with Tellup 9.5 times	
with Tellup 7.0 times	
with Tellup 5www.orphanca	meras.com

THE COPYMAT



Imported, precision copy and lighting unit. Ideal for use in the • home • laboratory • office • class room • library. The CopyMat conveniently facilitates the copying of drawings, photographs, books and documents, as well as the taking of macrophotographs (photographs of small objects, e.g., coins, jewelry, biological specimens and machine parts). The CopyMat was designed according to the principles of the optical bench by outstanding specialists in the field of miniature photography and is the product of the latest achievements in engineering and photography.

BASE—A solid diecast metal base (1) covered by 8½x13-inch opaque plyboard provides a rigid foundation, essential for copying. On each side of the base are adjustable metal copy holders (2), with spring aligned setting knobs, which provide the most accurate position for the objects to be photographed.

LIGHTING SYSTEM—Four household bulbs, two on each side, furnish proper illumination for the subject. The bulbs are recessed below two cylindrically curved, adjustable reflectors (4) with silvered inside surfaces. The lighting system is divided in two individual sections. Each of the sections of the lighting system is set on a "T" shape master arm of duraluminum (5). By means of two setting levers (6), these arms can be rotated and are adjustable to any position from 45° to 90°. By loosening the wing-nut (7) the lighting sections can also be raised or lowered on the duraluminum arms in monorail fashion. The CopyMat's unique arrangement is your assurance of maximum light efficiency for all copying contingencies.

CAMERA SYSTEM—Two 22" high\*, rigid-parallel steel pillars (8) are set into the horizontal diecast base. The camera is attached to an elevator (9) and can be set at any height. To facilitate calculation of the desired proportion of the copy, a scale calibrated in millimeters (10), is situated between the pillars. At any time, should it be necessary to duplicate copy work in exactly the same size, the elevator is simply adjusted to the previous scale setting. The camera can be adjusted to any horizontal or diagonal position on any one of five individual camera retaining openings which work in conjunction with two guide posts (11) that firmly support the camera and hold it firmly in the desired position. A holder (12) for filters and supplementary lenses swings in and out of position on a pendulum base. This permits the instantaneous change of filters which the operator can select depending upon film used and work to be accomplished. Color enthusiasts will find this unit very useful.

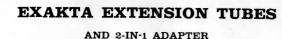
### COPYMAT, OPTICAL BENCH SYSTEM COPYSTAND

*Model 1 (base 8½" x 13", height 22")	\$ 97.50
Model 2 (base 13"x17", height 33")	117.00









Extension tubes attached to an Exakta open new vistas to the Exakta photographer. Close-up work, called "Macrophotography", the photographing of small objects at close range, is easy with these tubes. No additional costly viewfinders are required. Such tubes not only permit the taking of pictures at close range, but also make it possible to show great detail by filling the entire film frame with only a portion of an object photographed.

For Doctors, Dentists, Engineers, Architects, Scientists, Journalists and Educators, close-up photography is a professional necessity. However, for the Exakta photographer, this phase of photography is most exciting. Things that may interest the scientist from a professional point of view, often attract the amateur photographer because of their pictorial qualities; as, insects, flowers, plants, minerals, coins, etc. Other copywork, as reproducing pictures, documents, and stamps is very interesting, yet simple and enlightening with Exakta's extension tubes.

Exakta's famous extension tube set consists of two adapters, giving 10-mm. extension, and three tubes—5-mm., 15-mm. and 30-mm. long. An extra 2-in-1 adapter is also available to provide extremely-short extensions for close-ups. This makes it possible to have all extensions ranging from 5-mm to 60-mm. A booklet containing tables, scales of reproduction, and exposure factors is supplied with each set of extension tubes.

Exakta	Extens	ion Tub	e Set	only	24.00
Exakta	2-in-1	Adapter	only		10.00

### MICROSCOPE ADAPTERS

Photomicrography, the photographing of objects through a microscope, is fascinating and relatively simple. The object to be photographed is observed continuously in the Exakta viewfinder up to the moment of exposure. No additional costly viewfinders are required.

Doctors, scientists, engineers, and hospital, laboratory and industrial technicians have found photomicrography with the Exakta marvelously efficient, as well as swift, sure and economical. And through its use, hobbyists find Exakta photography through a microscope most absorbing and revealing as it literally magnifies many times over the Exakta's range of operation . . . while it permits the photographer to explore and photograph the world of the infinitesimal.

The Exakta is easily adapted for Photomicrography with either of two adapters. The adapters link the camera to the microscope with a light-tight shield and position the film plane of the camera the proper distance from the ocular. The camera lens is not used. Both microscope adapters can be used with all 35-mm. Exakta models. Model I is a hinged microscope adapter with two extension tubes. The hinge allows the camera to be moved to one side for the purpose of interchanging oculars, etc., without being removed from the microscope. Model II is a "quick-change" two piece microscope adapter with two extension tubes which fits over the microscope tube like a spring-loaded "chuck". If necessary, the camera can be quickly and easily removed from the microscope tube. When the microscope is being used by more than one person, the Model II adapter is recommended.

Model	1		\$29.50	
Model	11	***************************************	36.00	

### YOUR DEALER WILL GLADLY SHOW THIS EQUIPMENT TO YOU

# DUST CAP



# FOCUSING GLASSES AVAILABLE FOR THE EXAKTA

There is available a complete line of special focusing glasses for the Exakta for close-up work and photomicrography. These unique glasses are tremendous aids to workers in both fields. Subjects that are difficult to photograph by ordinary methods become easy to record with special glasses. Clear glasses, for example, are essential in photomicrography because they allow for extra critical focusing at magnifications of more than 150x, and are also invaluable for close-ups of life-size or larger. Bisected glasses simplify centering of the subject in the picture area. And with the Exakta, you can keep film in your camera while you are changing focusing glasses—impossible to do with other cameras.

Special focusing glasses that fit the Penta Prism will also fit the Magnear. These glasses are interchanged by the Exakta photographer. Special glasses are also furnished for the hooded waist-level finder, however, for the hooded finder these glasses should be installed by Exakta Camera Company. If the regular ground glass and special glass are to be used with equal frequency in the waist-level finder, or if you do not wish to dispense with the ground glass of the hooded finder, it will be practical for you to purchase an extra waist-level finder so that you can interchange waist-level finders with special focusing glasses (see Complete Scientific Hooded Waist-Level Reflex Viewfinder helpw)

illider below).
FOCUSING GLASSES AVAILABLE FOR THE EXAKTA PENTA PRISM AND MAGNEAR Ground Glass With Clear Center Spot
Groung Glass With Clear Center Spot and Hairline Cross
Plain Ground or Clear Glass
Bisected Glass either Ground or Clear
FOCUSING GLASSES AVAILABLE FOR EXAKTA WAIST-LEVEL FINDER
Ground Glass With Clear Center Spot\$14.00(*)
Ground Glass With Clear Center Spot and Hairline Cross
Plain Ground or Clear Glass
Plain Ground or Clear Glass
(*) Includes installation by Exakta Camera Company
COMPLETE SCIENTIFIC HOODED WAIST-LEVEL REFLEX
VIEWFINDER FOR EXAKTA VX AND V WITH SPECIAL FOCUSING GLASS:
With Ground Glass with Clear Center Spot\$29.50
With Ground Glass and Clear Center Spot with Hairline Cross
With Bisected Glass either Ground or Clear
Leather Case of Hooded Waist-level Viewfinder 3.00



# 5

### CLOSAL ATTACHMENT

The Closal Attachment is a cleverly designed unit which permits Automatic Diaphragm lenses to be used with bellows extensions and extension tubes while retaining the Automatic feature of these lenses.

Exakta photographers who use bellows extensions and extension tubes in close-up photography, will find the Closal Attachment most valuable.

The "Closal Attachment" consists of two parallel cables which are contained in a cylindrical chrome control unit. The tip of one cable attaches to the Automatic lens. The tip of the other cable attaches to the camera. As pressure is applied to a Plunger (which extends from the control unit), both releases of the two cables are immediately put into action . . . the first closes the lens diaphragm down automatically to the desired diaphragm stop and the second trips the shutter in split-second succession!

Closal Attachment for Exakta Camera....

.....\$7.5



### ENDOSCOPIC ADAPTER

### COBRA AUTOMATIC DIAPHRAGM LENS RELEASE EXTENSION

When using Automatic Diaphragm lenses for close-ups with extension tubes and bellows extensions, the Cobra establishes contact between the shutter release on the camera and the automatic diaphragm release on the lens. When installed, the lens operates in the normal manner with all advantages of the automatic diaphragm. Cobra can be used



## METAL NECKSTRAP

Page 28

AUTOMATIC* EXAKTA IIA 35MM. SINGLE-LENS REFLEX CAMERA WITH PENTA PRISM EYE-LEVEL VIEWEINDER AND AUTOMATIC SPLIT-IMAGE RANGEFIND	ED	
		Price
* with f/2.0, 58-mm. Zeiss Biotar, fully automatic lens * with f/1.9, 50-mm. Schneider Xenon, fully automatic lens		\$399.00 399.00
<ul> <li>★ with f/1.9, 50-mm. Schneider Xenon, fully automatic lens.</li> <li>★ with f/1.9, 55-mm. Steinheil Auto-Quinon, fully automatic lens.</li> </ul>		399.00
* WITH T/2.0, 50-mm, Westagon, Tully automatic lens		339.60
★ with f/2.8, 50-mm. Westanar, fully automatic lens  ★ with f/2.8, 50-mm. Zeiss Tessar, fully automatic lens		299.50
with f/1.5, 75-mm. Zeiss Biotar lens, with pre-set diaphragm		333.00 450.00
with f/1.9, 75-mm. Hugo Meyer Goerlitz Primoplan lens, with pre-set diaphragm		356.50
VIEWFINDERS & CASES Leather eveready carrying case for Exakta with lenses up to 58-mm		12.00
Leatner eveready carrying case for Exakta with 75-mm, lens		15.00
Penta Prism eye-level prismatic viewfinder with split-image rangefinder.  Penta Prism eye-level prismatic viewfinder only		85.00 50.00
Split-image rangefinder glass only (to fit Penta Prism Finder)		35.00
New Eyepiece for Penta Prism (with large oblong soft rubber cup)		5.50
Waist-level reflex viewfinder Leather case for Penta Prism viewfinder or waist-level reflex viewfinder		20.00 3.00
AUTOMATIC LENSES f/1.9, 50-mm. Schneider Xenon, fully automatic lens		169.50
t/1.9, 55-mm. Steinheil Auto-Quinon, fully automatic lens		169.50
f/2.0, 50-mm. Westagon, fully automatic lens		110.00
f/2.8, 50-mm. Westanar, fully automatic lens		69.50 100.00
f/2.8, 50-mm. Zeiss Tessar, fully automatic Iens		162.80
1/3.5, 50-mm. Meyer Primotar, fully automatic lens		79.50
HIGH SPEED LENSES f/1.5, 50-mm. Angenieux (S21) pre-set diaphragm		165.00
t/1.5, /5-mm. Zeiss Biotar, pre-set diaphragm		165.00 216.50
1/1.9, /5-mm. Hugo Meyer Goerlitz Primoplan, pre-set diaphragm		135.00
f/1.8, 90-mm. Angenieux (P1)		149.50
WIDE-ANGLE LENSES	Price	Leather Case
f/2.8, 35-mm. Zeiss Flektagon, fully automatic diaphragm.	149 50	6.95
1/3.5, 28-mm. Angenieux Retrofocus	120.00	6.95
f/2.5, 35-mm. Angenieux Retrofocus f/4.5, 35-mm. Hugo Meyer Goerlitz Primagon	99.50	6.95
1/4.5, 40-mm. Hugo Meyer Goerlitz Helioplan	59.50 54.50	5.75 5.75
1/3.5, 40-mm. Steinneil Cassaron	54.50	5.75
TELEPHOTO LENSES		
f/2.8, 80-mm. Zeiss Tessar	79.50 69.50	6.95 6.95
1/1.0, 50-mm. Angemeux (F1)	149.50	7.95
f/2.5, 90-mm. Angenieux (Y1)	94.50	7.95
f/2.8, 100-mm. Hugo Meyer Goerlitz Trioplan. f/2.8, 135-mm. Steinheil Quinar, fully automatic, w/sunshade and case	75.00 189.50	7.95
f/2.8, 135-mm. Steinheil Quinar, pre-set, w/sunshade and case	149.50	
1/3.5, 135-mm. Hugo Meyer Goerlitz Primotar	89.50	7.95
1/4.U. 135-mm. Zeiss Triotar pre-set diaphragm	85.00	7.95
f/3.5, 180-mm. Hugo Meyer Goerlitz Primotar	115.00	7.95
f/4.5, 200-mm. Steinheil Quinar, pre-set, w/sunshade and case	55.95	7.95
1/3.3. 180-mm, Hugo Meyer Goerlitz Tele-Megor	82.95	7.95
f/5.5, 250-mm. Hugo Meyer Goerlitz Tele-Megor. f/4.5, 300-mm. Hugo Meyer Goerlitz Tele-Megor.	132.15	15.95
1/3.3, 400-mm, huko meyer Goeriitz Tele-Megor	199.50 199.50	19.95 19.95
1/3.5. 300-mm. IV Fernlinse Telagon	360.00	29.95
f/4.5, 400-mm. TV Fernlinse Telagon	360.00	29.95
f/6.3, 800-mm. TV Ferninse Telagon.	450.00	39.95
COPYSTAND OPTICAL BENCH SYSTEM	750.00	49.95
CopyMat, optical bench system copystand, complete with accessories		
Model 1 (baseboard 8½"x13", height 22")		97.50 117.00
VERSAL ASSEMBLY (AND PARTS)		117.00
Baseboard Metal Post Arrangement		50.00
Stiding Arm with Calibrated Scale		30.00
Bellows Extension Rotating Angle Bracket Assembly		35.00 20.00
Transparency Copying Attachment		35.00
Light-trap Tube for Photomicrography		7.50
Versal Assembly Complete Outfit		177.50
BELLOWS EXTENSION APPARATUS Rellows extension for Evakta		
Bellows extension for Exakta		34.50 5.95
1/4.5, 105-11111. Stellinell lens with Exakta adapter for Bellows Extension		31.50
1/4.5. 135-mm. Steinheil lens (short mount) with Fyakta adapter for Rellows Extension		60.00
Adapter for lens head of 135-mm. Steinheil Culminar Telephoto so it can be used for bellows extension Adapter for lens head of 135-mm. and 200-mm. Quinar Telephotos so that they can be used for extension	hellows	6.00
		13.50
Precision chrome focusing mount for 135-mm. and 200-mm. Quinar Telephotos so that they can be to bellows extension. Mount has engraved dual focusing scale and permits extra-critical adjustments		28.00
STEREO FOR EXAKTA  Zeiss Stereo Attachment (Model A) for Stereo pictures from 5 feet to infinity (Specify for 1/2 5)		
Zeiss Stereo Attachment (Model A), for Stereo pictures from 6 feet to infinity. (Specify for f/3.5 (Zeiss Tessar lens when ordering).		139.95
Zeiss Tessar Iens when ordering)		103.50 59.50
(*) mount into camera in place of normal viewfinder.		MM orn

EAARIA III FRIC	
MISCELLANEOUS ACCESSORIES	
Scientific waist-level reflex viewfinder for Exakta IIa, VX and V w/special focusing glass:	Price
With ground glass with clear center spot	29.50 29.50
With ground glass with clear center spot and hairline cross	33.50
Leather case for viewfinders	3.00
Ground glass with clear center spot	12.00
Bisected ground or clear glass	12.00 16.00
Plain ground or clear glass	3.75
Ihagee set of 3 extension tubes and 2 adapters	24.00 10.00
Ihagee Type I hinged microscope adapter, complete set, with 2 extension tubes	29.50
Ihagee Type II two-piece pressure microscope adapter, with 2 extension tubes Endoscopic Adapter (works with endoscope, cystoscope, gastroscope and thorakoscope in medical photography)	36.00 30.00
"Closal" Release Attachment for fully automatic lenses to work with extension tubes and bellows	7.50
"Cobra" Release Attachment for automatic lenses to work with extension tubes and bellows Camera Clamp—fastens to round or flat object for vertical or horizontal positioning	3.50 3.95
"C" Mount Adapter for 16-mm. movie cameras to take Exakta lenses	12.75
Flashgun for Exakta, B.C. Capacitor	15.50 6.95
Safety Intermediate Flashgun Plug—(for Exaktas up to 1955)	3.00
Cable release	.75 1.50
Ihagee Rewind Lever (for Models I, II and V)	2.00
Inagee Giant Release Knob (for all models)	1.25 1.50
Flexible metal neckstrap, chrome plated	3.50
Exakta lens holding flange for enlargers	5.00 14.95
SPECIAL SCIENTIFIC VIEWFINDER	
Magnear Viewfinder with regular ground glass Ground glass with clear center spot and hairline cross	21.00 16.00
Magnear Viewfinder with regular ground glass and Zeiss Tessar 50-mm., non pre-set f/3.5 lens for critical	
focusing	59.50 18.00
ADAPTERS, SUNSHADES, FILTERS	10.00
Series V for 3.5 and 4.5 Tessar	1.65
Series VI for 2.8 Tessar, 2.8 and 3.5 Tessar preset, 2.8 Westanar automatic, 4.5 Helioplan, 3.5 Cassaron, 2.8 Culminar, 2.5 Angenieux (Y-1), 3.5 Angenieux (Y-2), 4.5 Culminar, 5.5 Tele-Megor	
(150-mm.), 2.8 Westar, 2.0 Westagon automatic, 1.9 Xenon automatic	2.40
Series VII for 2.8 Trioplan (100-mm.), 1.9 Primoplan (58-mm.), 1.5 and 1.8 Angenieux (S-21 and P-1), 2.0 Biotar preset, 4.0 Triotar, 1.9 Primoplan (75-mm.), 2.8 Quinar, 2.0 Biotar automatic, 4.5	
2.0 Biotar preset, 4.0 Triotar, 1.9 Primoplan (75-mm.), 2.8 Quinar, 2.0 Biotar automatic, 4.5 Quinar, 2.8 Tessar (80-mm.), 2.8 Tessar automatic, 1.5 Tele-Megor (180-mm.), 3.5 Primotar (135-mm.), 3.5 Primotar (80-mm.), 4.5 Angenieux (180-mm.)	
3.5 Primotar automatic	4.50
Series VIII for 2.8 Flektogon, 1.5 Biotar (75-mm.), 5.5 Tele-Megor (250-mm.), 2.5 Angenieux (35-mm. W.A.), Angenieux Telephoto 135-mm. (P2), 3.5 Primagon (35-mm.), 3.5 Primotar (180-mm.) Series IX for 3.5 Angenieux (28-mm. W.A.), 5.5 Tele-Megor (400-mm.), 4.5 Tele-Megor (300-mm.)	6.50
Series IX for 3.5 Angenieux (28-mm. W.A.), 5.5 Tele-Megor (400-mm.), 4.5 Tele-Megor (300-mm.)	8.95
SUNSHADES: (Must be used with filter adapter above)	
Series V	1.95 2.25
Series VII	4.50
Series VIII	6.25 10.25
Series VIII-WA-(Wide Angle)	9.00
Series IX-WA-(Wide Angle)	10.25
Series V to VI	1.60
Series VI to VII	2.25 3.50
Series VIII to IX	5.00
Series V	2.10
Series VI	2.50
Series VIII	4.50 8.00
Series IX	10.75
Zeiss Screw-in Filters for Tessar f/3.5 and Tessar f/2.8 pre-set lenses—available in orange, light green, medium green and dark green	4.50
(when sunshade is required, use 42-mm. standard slip-on type) FILTER SETS, 4 filters with screw-in adapter and sunshade:	
with genuine leather top-grain cowhide filter case	
Series V	14.50 19.65
Series VI	33.00
PUBLICATIONS	
"My Beloved Exakta" by H. Muller-Brunke. A book describing the photographic experiences of one of Europe's best-known photographers with his Exakta Camera. 128 pages, 8 in color (printed in limited edition).	
Price \$5.00 (temporarily out of print)	
"Exakta Photography" by Jacob Deschin. A working manual for the Exakta and Exa cameras	4.95 1.75
"Insects Close Up" by Edward S. Ross. A pictorial guide for the photographer and collector featuring 125 color	
and black-and-white photographs and drawings	1.50
Theodore P. Haas, Ph.D. (Reprinted from "The American Journal of Pharmacy," Phila., Pa.)	.25
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ALL EXAKTA LENSES LISTED ARE FACTORY COATED	.50
All prices subject to change without notice Tax included where applicable ameras.com	















# **EXAKTA PHOTOGRAPHY**

by Jacob Deschin

This book thoroughly explores the operational details and picture taking potentials of the 35mm EXAKTA and EXA single lens reflex cameras.

Containing fourteen chapters, more than 250 illustrations, and a number of helpful data tables for convenient reference, the book is in effect a working manual, but one designed not only to explain how the cameras work, but also how they may be used in a variety of fields most efficiently and with optimum results.

A detailed illustrated description of the cameras explains and shows the parts one by one, and a compact "dry run" routine provides for a quick acquaintance with the way in which the various parts relate to one another in actual photography.

Chapters on lenses, shutters, film and camera loading, and reflex viewing and focusing, cover the essentials of 35mm EXAKTA and EXA photography, going into painstaking detail to explain both the fundamentals and their practical application in actual picture-taking. Exposure is fully covered.

Chapters on the choice of lenses for the cameras and the available facilities for and the techniques of closeup work, describe the wide and growing range of optical equipment and accessories available.

There is a comprehensive chapter on color techniques including instruction on the processing of color film by the user. The chapter on light sources deals with flash, electronic and flood lamps, the three principal artificial mediums currently in use. Processing the miniature negative is the subject of a brief but compact outline of correct procedure.

Special Sections: A 29 page excellently illustrated and completely authoritative chapter on MEDICAL PHOTOGRAPHY has been contributed by JULIUS WEBER. A chapter on NATURE PHOTOGRAPHY by LYNWOOD M. CHASE.

Jacob Deschin is Photography Editor, The New York Sunday Times. Fellow of both the Photographic Society of America. and the Royal Photographic Society of Great Britain, judge, critic, magazine writer, author of 13 books. His friendly feeling towards all photographers, his intense desire to be truly helpful, his thorough familiarity with Exakta photography, and his unique ability as a writer to make all things crystal clear are praiseworthy. Lynwood M. Chace has been a lover of nature and the outdoors for fifty years, has made a lifetime specialty of photographing nature subjects. He has acquired an international reputation as one of the leading photographers of nature stills and movies for educational purposes. His pictures have been reproduced widely in magazines and newspapers in this country and abroad. He produces nature movies regularly for the Encyclopaedia Britannica Films, Julius Weber is widely recognized as one of the top authorities and practitioners in the field of medical photography. He is head of photo research of Beth Israel Hospital, Hospital for Joint Diseases, and was formerly head of the department of photography at the Columbia Presbyterian Medical Center, all in New York City. Also he is a valued consultant on medical photography to the Armed Forces. Fine examples of Mr. Weber's work and special apparatus which he uses is displayed in this book. 10" x 7", 192 pp., 250 photographs......\$4.95



### 35MM PHOTOGRAPHY WITH AN EXAKTA

by Kenneth Allinson, A.R.P.S. (second edition)

The inspirational quality of this crisp yet imaginative excursion into the possibilities of the Exakta, and its popularity with owners of that camera, is attested to by the fifth printing of Mr. Allinson's book. The pages abound with striking Exakta photographs in many fields-portrait, landscape, action, architectural, scientific, and medical photography.

### EXAKTA GUIDE by W. D. Emanuel

The complete time-honored manual for knowing and operating your Exakta camera. A must; sooner or later this publication becomes a keystone of the photo-library because of the many diagrams and photographic data for every Exakta owner. Replete with fine photos, each one suggesting specific self-improvement possibilities with the Exakta.

5 x 6½, 114 pp.

### INSECTS CLOSEUP by Edward S. Ross

This stunning book is a pictorial guide written and illustrated by Dr. Edward S. Ross, eminent Exakta photographer. This book features 125 photographs and drawings of insects. The author, Curator of Entomology at the California Academy of Sciences, discusses various insects and includes photographs of each, eight in color. He describes how to find and catch insects, how to handle, mount, preserve, label and photograph them; also his picture-taking technique with the Exakta. 

### NATURE PHOTOGRAPHY WITH HIGH

SPEED FLASH by Walter Van Riper, Robert J. Niedrach and Alfred M. Bailey

The increasing use of high-speed flash in exploring the bird and animal world has focused nationwide attention on this book. The authors, all conected with the Denver Museum of Natural History (Mr. Van Riper is Director of the Department of Birds; Mr. Niedrach holds the same position in the Department of Insects; Mr. Bailey is the world-famed Director of the Museum) are among the world's foremost exponents of researching the lives of the lower orders by means of this highly efficient, illuminating type of flash usage. Beginning with a historical survey, from Talbot to Edgerton, the book goes on to give innumerable details and suggestions, plenty of Exakta-made photos, among others.

6 x 9, 64 pp., 57 photographs .....

### NATURE PHOTOGRAPHY WITH MINIATURE CAMERAS by Alfred M. Bailey

Any Exakta owner who wishes to achieve greater proficiency in the area of photographing wild life, will want to benefit from the author's experiences. These experiences literally span the world . . . and forty years of extensive investigation with the miniature camera into nature's own unspoiled domain. World-famous for his explorations and scientific activities on every continent, the author, Director of the Denver Museum of Natural History, has taken most of the photographs in this book with an Exakta.

6 x 9, 64 pp., 34 photographs .....

# STEPPING STONES ACROSS THE PACIFIC

by Alfred M. Bailey and Robert J. Niedrach

Director of the Denver Museum of Natural History and Curator of the Department of Birds, respectively, the authors have given a fascinating step-by-step account of their journey across the "stepping stones of the Pacific" . . . the exotic isles of song and story. From Oahu to Midway to Wake, their 35mm. Exaktas, and other instruments, have brought back alive, in a very true sense, a classic record of bird and other life on the Pacific Islands. A book that should inspire any Exakta owner to turn his camera lenses on the bird and insect and animal world that begins right in his own backyard.

6 x 9, 64 pp., 48 Exakta photographs

# **EDIXA STEREO CAMERAS**

Exakta owners were appreciative for having been introduced by us to Edixa Stereo Cameras, outstanding 3-D cameras that have achieved world-wide prominence in the field of 3-dimensional photography.

Because of their remarkable potentialities in capturing lifelike depth and color and due to their unusual simplicity, plus speed of operation, that give you mastery from the very start, Edixa Stereo's have truly added an extra dimension to the tri-dimensional photo art. These precision instruments offer to serious photographers a choice of stereo cameras to meet any need, with the assurance of maximum performance at every level. Not unimportant in the universal acceptance of the three-dimensional Edixas are the comparatively modest prices for these premium cameras. Here are the details you will want to know concerning these efficient stereo cameras:



Model IA—Edixa Stereo Camera. Here is an efficient stereo camera that will produce "salon" 3-dimensional quality pictures at a popular price. Its two-matched 35-mm., f/3.5 Steinheil Cassar lenses assure you of crisp, sharp color stereo pairs with every exposure. The rapid winding lever transports the film, cocks the shutter, advances the film counter and prevents double exposures. You have a choice of speeds from 1/25th to 1/200th of a second with the coupled Vario shutters. Other features include: a body shutter release, built-in flash, an accessory shoe for a rangefinder, and cable and tripod sockets. The Edixa Stereo Model IA is finished in satin chrome and black morocco leather...\$59.95





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Please tear at the side, check reverse side to make certain your name and address is correct, and mail with your remittance to your dealer or to: Exakta Camera Company, 705 Bronx River Rd., Bronxville 8, N.Y.

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