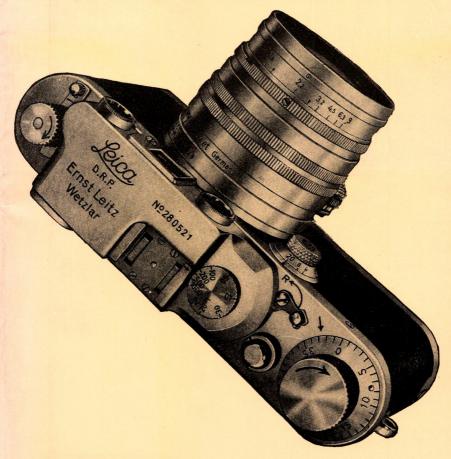


# COMPLETE ILLUSTRATED PRICE LIST OF LEICA CAMERAS AND ACCESSORIES



E. LEITZ, INC. 730 FIFTH AVE. NEW YORK, N. Y.

HIS CATALOGUE contains a complete listing of all Leica cameras, accessories, projectors, enlargers, and Leitz prism binoculars. Because of space limitation only a concise description of each item is given herewith. However, booklets are available describing in detail one or more of the Leica items listed in this catalogue. These pamphlets are listed below and are obtainable free of charge, upon request.

No. 1223 The Reelo and Correx Developing Equipment

No. 1226 The VALOY and FOCOMAT Enlargers

No. 1231 Leica Slow Timing Device, Table Tripod and Sunshades

No. 1246 Weston Exposure Meter LEICAMETER

No. 1248 The Rapid Winder

No. 1259 Sport Finders

No. 1260 Daylight Loading Developing Tank

No. 1261 The LEICA Gun

No. 1262 Continuous Projector Attachment

No. 1263 Enlarger Film Holder

No. 1269 The Eldia Printer

No. 1271 Stereoly Polaroid Process

No. 7040 Enlarging Equipments

No. 7207 Auxiliary Reproduction Devices

No. 7323 Large Professional Printer

No. 7327 Special View Finders

No. 7427 Lens Tables

No. 7428 Stereoly Attachment

No. 7433 Combined Enlarging and Projecting Apparatus

No. 7454 LEICA Camera 250 Exposure Model

No. 7485 Copying Equipment

No. 7540 Panorama Tripod Head

No. 7561 Film Winder

No. 7562 Single Exposure Camera

No. 7567 TELYT Lens 200mm

No. 7568 HEKTOR Wide Angle Lens 28mm

No. 7574 Range Finders

No. 7587 Remote Shutter Control

No. 7613 Filters

No. 7615 The Interchangeable LEICA Lenses

No. 7652 Optical Near Focusing Device

No. 7675 THAMBAR Lens

No. 7839 Projector VIII-c (Gnome II)

No. 2-J Complete Listing of Prism Binoculars

Bull. 6 Sliding Focusing Copying Attachment

Bull. 13 Micro Ibso Attachment

#### LIST OF CONTENTS

Pages

Leica Cameras	
Leica Lenses	
Orange Filters and Correction Lenses for Built-in Range Finder and View Finder	
Exposure Meters	
View Finders	
Range Finders	
Leica Filters	
Sunshades	
Small Camera Accessories	
Timing Devices	
Tripod Heads	
Supplementary Camera Accessories	
Stereo Apparatus	
Photoflash Units	
Carrying and Protective Cases	
Darkroom Supplies	
Developing Apparatus	
Developer	
Negative Viewers	
Negative File Systems	
Film and Slide Printing Apparatus	
Professional Printers	
Accessories for Professional Printers	
Material for mounting Lantern Slides	
Copy and Reproduction Apparatus	
Apparatus for Photomicrography	
Equipments for Scientific and Industrial Photography	
Enlarging Apparatus	
Interchangeable Accessories for Enlargers	
Enlarger Easels	
Distortion Eliminating Device	
Spare Lamps for Enlargers and Accessories for Using Photoflood Lamps	
Special Accessories for Enlargers	
Projection Apparatus	
Prism Binoculars	
Range Finders for Shooting and Surveying Horizontal and Vertical Measurements	,
of all kinds	
Conversion of Leica Cameras	
Leica Publications	
Alphabetical Index of Code Words	

# LEICA CAMERAS



CHROM



Price

Cat. No. and	No. 65,032
65,000 LEMAX	LEICA CAMERA, STANDARD MODEL, complete with focal plane shutter with speeds from 1/20 to 1/500th second, ELMAR 50mm focus f:3.5 lens, one film magazine and turret clip for range finder, black finish, without case
65,002 LEMAX- CHROM	LEICA CAMERA, STANDARD MODEL, same as No. 65,000, but chrome finish
65,005 LENOT	LEICA CAMERA, STANDARD MODEL, black finish, but without lens with turret clip for range finder
65,008 LENOT- CHROM	LEICA CAMERA, STANDARD MODEL, chrome finish, but without lens
65,010 LYSTA	LEICA CAMERA, STANDARD MODEL, same as No. 65,000, but with special horizontal detachable range finder
65,012 LYSTA- CHROM	LEICA CAMERA, STANDARD MODEL, same as No. 65,010, but chrome finish
65,020 LYKAN	LEICA AUTOFOCAL CAMERA MODEL II, with focal plane shutter with speeds from 1/20 to 1/500th second, built-in automatic focusing range finder, 10 in. cable release and one film magazine, black finish without lens or case
65,022 LYKAN- CHROM	LEICA AUTOFOCAL CAMERA MODEL II, same as No. 65,020, but chrome finish
65,030 LYKUP	LEICA AUTOFOCAL CAMERA MODEL II, same as No. 65,020, but with ELMAR 50mm focus f:3.5 lens
65,032 LYKUP- CHROM	LEICA AUTOFOCAL CAMERA MODEL II, with ELMAR 50mm focus f:3.5 lens, but chrome finish
65,035 LYHEC	LEICA AUTOFOCAL CAMERA MODEL II, same as No. 65,020, but with HEKTOR 50mm focus f:2.5 lens
65,037 LYHEC-	LEICA AUTOFOCAL CAMERA MODEL II, with HEKTOR 50mm focus f:2.5 lens, but chrome finish

[2]

#### LEICA CAMERAS





No. 65,067

No. 65,088

Cat. No. and Code Word	
<b>65,050</b> LYDRO	LEICA AUTOFOCAL CAMERA MODEL III, complete with focal plane shutter with speeds from 1 to 1/500th second, built-in automatic focusing range finder, special 1½X magnifying eye-piece for range finder, eyelets for neckstrap supplied with camera. 10 in. cable release, and one film magazine, black finish, without lens or case
65,052 LYDRO- CHROM	LEICA AUTOFOCAL CAMERA MODEL III, same as No. 65,050. but chrome finish
65,055 LYMAR	LEICA AUTOFOCAL CAMERA MODEL III, same as No. 65,050. but with ELMAR 50mm focus f:3.5 lens
65,057 LYMAR- CHROM	LEICA AUTOFOCAL CAMERA MODEL III, with ELMAR 50mm focus f:3.5 lens, but chrome finish
65,060 LIHIG	LEICA AUTOFOCAL CAMERA MODEL III, same as No. 65,050. but with HEKTOR 50mm focus f:2.5 lens
65,062 LIHIG- CHROM	LEICA AUTOFOCAL CAMERA MODEL III, with HEKTOR 50mm focus f:2.5 lens, but chrome finish
65,065 LYSUM	LEICA AUTOFOCAL CAMERA MODEL III, same as No. 65,050, but with SUMMAR 50mm focus f:2 lens
65,067 LYSUM- CHROM	LEICA AUTOFOCAL CAMERA MODEL III, with SUMMAR 50mm focus f:2 lens, but chrome finish
65,080 LIGOO	LEICA AUTOFOCAL CAMERA MODEL IIIb, with focal plane shutter with speeds from 1 to 1/1000th second, built-in automatic focusing range finder having a 1½X magnified field; eyepieces of range finder and view finder placed closely together to facilitate the change from one to the other, eyelets for neckstrap supplied with camera, 10 in. cable release and one film magazine, chrome finish, without lens or case
65,082 LEYOO	LEICA AUTOFOCAL CAMERA MODEL IIIb, same as No. 65,080, but with ELMAR 50mm focus f:3.5 lens
65,084 LEHEK	LEICA AUTOFOCAL CAMERA MODEL IIIb, same as No. 65,080, but with HEKTOR 50mm focus f:2.5 lens
<b>65,086</b> LUDOO	LEICA AUTOFOCAL CAMERA MODEL HIIb, same as No. 65,080, but with SUMMAR 50mm focus f:2 lens
<b>65,088</b> LOOBT	LEICA AUTOFOCAL CAMERA MODEL HIB, same as No. 65,080, but with LEITZ XENON 50mm focus f:1.5 lens

#### LEICA CAMERAS



No. 65,200 with SUMMAR Lens and Eveready Case



No. 65,400
with ELMAR 50mm Lens
and View Finder

Cat. No. and Code Word

Price

65,200 LOOMY LEICA AUTOFOCAL CAMERA 250 EXPOSURE MODEL, with large film capacity (250 exposures). Magazines hold 33 feet of standard 35mm motion picture film. This camera is particularly well adapted for aerial, copy, and other types of photography where a greater film capacity is a convenience. Complete, with focal plane shutter with speeds from 1 to 1/1000th second, built-in automatic focusing range finder, special 1½X magnifying eyepiece for range finder, 10 in. cable release, and two special 33 ft. capacity film magazines. (A magazine is used at both ends of this camera, making rewinding unnecessary), without lens or case....

65,205 LOOYE LEICA AUTOFOCAL CAMERA 250 EXPOSURE MODEL, same as No. 65,200, but with ELMAR 50mm focus f:3.5 lens .....

NOTE: SEE NO. 68,325 FILM TRIMMING GUIDE FOR 250 EXPOSURE LEICA, NO. 68,050 EVEREADY CASE, AND NO. 68,305 FILM WINDER.

65,400 OLIGO SINGLE EXPOSURE CAMERA, for testing and similar purposes requiring only one exposure. It also serves as a miniature view camera. The camera consists of a round metal body into which the LEICA lens is screwed. Metal film holders are used which accommodate standard 35mm motion picture film in strips 1½ in. long. The exposure is made with an IBSOR shutter supplied with the camera. A ground glass focusing screen, which is interchangeable with the film holder is used for focusing the lens. A view finder may be attached to the camera body if desired. The camera complete consisting of camera body, ground glass focusing screen, one metal film holder, and IBSOR shutter which can be used on all LEICA lenses of 28mm, 35mm, 50mm, 90mm and 135mm focus, except XENON and THAMBAR, but without lens

65,405 GHOX SINGLE EXPOSURE CAMERA, same as No. 65,400, but without IBSOR shutter

NOTE: SEE NO. 66,120 FOR SPECIAL VIEW FINDER AND NO. 66,825 FOR SPARE FILM HOLDER.

**65,408** IBSOR Ibsor Shutter, for use on camera lenses when focal plane shutter is not to be used. This shutter is supplied with the OLIGO Single Exposure Camera, but will be found useful in certain work when used in conjunction with the regular models of LEICA Cameras.

#### **LEICA LENSES**

All lenses except TELYT 200mm, TELYT 400mm and 135mm HEKTOR short mounted lens are supplied with the coupling mount for use with the built-in range finders on the Model II, III, IIIb, and 250 Exposure cameras. All lenses can also be used with the Standard Model LEICA. Some lenses have a small focusing mark for use with Infra-Red films and filters.

ALL LEICA LENSES HAVE A DEPTH OF FOCUS SCALE ON THE LENS MOUNT.



LEICA Lenses

Price

Code Word	
65,600 HOOPY	<b>LEITZ Anastigmat HEKTOR,</b> 28mm focus, f:6.3, (extremely wide angle lens), angle of view 76°, minimum focusing distance 3.5 ft., in non-collapsible focusing mount
	NOTE: SEE NO. 66,100 OR 66,102 FOR SPECIAL VIEW FINDER.
65,610 EKURZ	LEITZ Anastigmat ELMAR, 35mm focus, f:3.5, (wide angle lens), angle of view 65°, minimum focusing distance 3.5 ft., in non-collapsible focusing mount
	NOTE: SEE NO. 66,110 OR 66,112 FOR SPECIAL VIEW FINDER.
65,620 ELMAR	LEITZ Anastigmat ELMAR, 50mm focus, f:3.5, (standard lens), angle of view 48°, minimum focusing distance 3.5 ft., in collapsible focusing mount
<b>65,630</b> HEKTO	<b>LEITZ Anastigmat HEKTOR, 50</b> mm focus, f:2.5, (speed lens), angle of view 48°, minimum focusing distance 3.5 ft., in collapsible focusing mount

Cat. No. and

#### LEICA LENSES

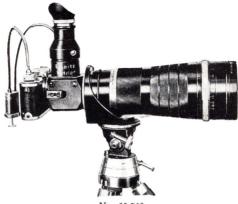
Price

Cat. No. and Code Word	1
<b>65,640</b> SUMUS	LEITZ Anastigmat SUMMAR, 50mm focus, f:2, (super speed lens), angle of view 48°, minimum focusing distance 3.5 ft., in collapsible focusing mount
65,650 XEMOO	LEITZ Anastigmat XENON, 50mm focus, f:1.5 (extreme speed lens), angle of view 48°, minimum focusing distance 3.5 ft., in focusing mount (non-collapsible)
65,660 HEGRA	LEITZ Anastigmat HEKTOR, 73mm focus, f:1.9, (ultra-speed lens), angle of view 34°, minimum focusing distance 5 ft., in focusing mount, including special sunshade
65,670 ELANG	LEITZ Anastigmat ELMAR, 90mm focus, f:4, (speedy distance lens), angle of view 27°, minimum focusing distance 3.5 ft., in focusing mount
65,680 TOODY	LEITZ Anastigmat THAMBAR, 90mm focus f:2.2, (soft focus lens of highest speed for artistic portrait photography), angle of view 27°, minimum focusing distance 3.5 ft., in focusing mount, including special sunshade
65,690 HEFAR	LEITZ Anastigmat HEKTOR, 135mm focus f:4.5, (lens for increased distances), embodying the HEKTOR optical principles in a distance lens, yielding exceptional results, angle of view 19°, minimum focusing distance 5 ft., in focusing mount
65,700 TOOLP	LEITZ Anastigmat TELYT, 200mm focus, f:4.5, (full telephoto lens of highest definition, free from distortion), angle of view 12°, minimum focusing distance 10 ft., in focusing mount, including special sunshade, with Mirror Reflex Housing No. 65,720

NOTE: SEE NO. 66,115 FOR SPECIAL VIEW FINDER.

65,702 EMTOO Calf's Leather Case for TELYT 200mm lens with Mirror Reflex Housing No. 65,700

## LEICA LENSES



No. 65,710
with LEICA Camera on Tripod

Cat. No. and Code Word	
65,710 TLOOB	LEITZ Anastigmat TELYT, 400mm focus, f:5 (full telephoto lens of highest definition, free from distortion), angle of view 6°, minimum focusing distance 25 ft., in focusing mount, with Mirror Reflex Housing No. 65,720
65,720 PLOOT	Mirror Reflex Housing, when supplied separately, with ground glass focusing screen, magnifying arrangement, two magnifiers and double cable release
<b>65,7</b> 30 MOOSP	Intermediate Extension Ring, 15mm, for use with TELYT lenses 200 or 400mm. This ring or multiple units thereof, are recommended when it is desired to use these lenses for "close up" photography at less than 10 ft. or 25 ft., respectively
65,740 OHEBO	<b>LEITZ Anastigmat HEKTOR,</b> 135mm focus, f:4.5, angle of view 19°, minimum focusing distance 5 ft., in <b>short</b> focusing mount, without coupling to the range finder for use with the Mirror Reflex Housing No. 65,720, or with the intermediate collar No. 65,750
65,750 ZOOKE	Intermediate Collar with Automatic Coupling for LEICA range finder (with this collar the HEKTOR lens No. 65,740 may be used in the same manner as the regular HEKTOR 135mm lens No. 65,690)
	NOTE: WHEN ORDERING THE INTERMEDIATE COLLAR NO. 65,750, IT IS NECESSARY TO SEND US THE HEKTOR 135MM LENS NO. 65,740 IN ORDER TO ADJUST THE INTERMEDIATE COLLAR TO THE LENS.
65,760 ZOOAN	Short Focusing Mount for HEKTOR 135mm lens No. 65,690 (as supplied with No. 65,740) to be interchanged with the regular mount when using this lens in conjunction with the Mirror Reflex Housing No. 65,720
	[7]

# ORANGE FILTERS AND CORRECTION LENSES FOR BUILT-IN RANGE FINDER AND VIEW FINDER



No. 65.922

Cat. No. and Code Word	
65,920 ORAKO	Orange Filter, in slip-on mount, for range finder for LEICA Cameras II and III. This orange filter gives better contrast between the two range finder images
65,922 ORAKO- CHROM	Orange Filter, same as No. 65,920, but for chrome LEICA cameras, II, III and IIIa
65,925 OKARO	Orange Filter, same as No. 65,922, but for LEICA Camera IIIb only, chrome finish
<b>65,930</b> ORTUX	Correction Lenses, for use on range finder or view finder of LEICA Models II, Standard Model, III and IIIa for near and farsightedness. Prices vary according to the diopter selected, viz.: Up to plus or minus 8 diopters Above plus 8 diopters From minus 8.5 up to minus 13 diopters From minus 13.5 up to minus 20 diopters
65,932 ORUXO	Correction Lenses, for use on range finder or view finder of LEICA Models II, Standard Model, III and IIIa, to correct astigmatism. Prices vary according to the amount of correction necessary, viz.: From plus 0.25 to plus 13.0 of cyl. plus 0.25 up to plus 6.0
65,935 ORWYB	Correction Lenses, for use on range finder and view finder of LEICA Model IIIb, for near and farsightedness. Prices vary according to the diopter selected ranging from about
65,937 ORYCE	Correction Lenses, for use on range finder and view finder of LEICA Model IIIb, to correct astigmatism. Prices vary according to the diopter selected, ranging from about
	NOTE: PERSONS WHO WEAR SPECTACLES MAY HAVE SPECIAL LENSES OF THE SAME CORRECTION AS THEIR SPECTACLES (FAR-SIGHTEDNESS, NEAR-SIGHTEDNESS OR ASTIGMATISM), WHICH SCREW INTO THE RANGE FINDER OR VIEW FINDER REAR LENS MOUNT. PRESCRIPTION OF THE PARTICULAR EYEGLASSES MUST BE SENT WITH THE ORDER. CORRECTION LENSES NOT IN STOCK MUST BE ORDERED FROM THE FACTORY AND WILL TAKE FROM 8-10 WEEKS TO OBTAIN.  Important: When ordering correction lenses state your model of LEICA Camera.

## **EXPOSURE METERS**



No. 65,950

Cat. No. and Code Word		Price
<b>65,950</b> WESTO	WESTON LEICAMETER Model C (No. 650), direct exposure reading scale, simply operated calculator giving readings for films of different Weston speeds, and also the shutter speeds to use for various diaphragm openings, without case	
65,955 WESCA	Soft Leather Case, with zipper for LEICAMETER	
65,958	Calf's Leather Case for LEICAMETER	

# VIEW FINDERS



CALFA

No. 66,070



No. 66,050

66,000 VIDOM	VIDOM Universal View Finder, with adjustable masking aperture and parallax adjustment, for use with all LEICA Cameras and all Lenses of 35mm, 50mm, 73mm, 90mm and 135mm focus
66,005 VIDOM - CHROM	VIDOM Universal View Finder, same as No. 66,000 but chrome finish
66,008 VILUI	Brown Cowhide Leather Case, for VIDOM finders Nos. 66,000 or 66,005
66,050 AUFSU	Reflecting View Finder, for LEICA Camera for use with all 50mm lenses
66,052 AUFET	Brown Cowhide Leather Case, for Reflecting View Finder No. 66,050

## VIEW FINDERS







No. 66,110

Cat. No. and Code Word	
66,055 AYOOC	Reflecting View Finder, same as No. 66,050, but with negative auxiliary lens, for use with the 35mm and 50mm LEICA lenses. (When the negative lens is in position, use the 35mm lens; when swung out, use the 50mm lenses.)
66,060 AHOOT	Reflecting View Finder, similar to No. 66,055, for use with 28mm and 50mm lenses
66,062 ETHOO	Brown Cowhide Leather Case, for Reflecting View Finders Nos. 66,055 and 66,060
66,070 RASUK	<b>Direct Vision View Finder,</b> with parallax adjustment. Special wire type metal finder for use with all LEICA lenses of 35mm, 50mm, 73mm and 90mm focus
66,075 RASUK- CHROM	Direct Vision View Finder, same as No. 66,070 but chrome finish
66,080 RAMET	Mask for RASUK Direct Vision Frame Finder for use with the 105mm (discontinued) and 135mm lenses
66,081 RAMET- CHROM	Mask for RASUK Direct Vision Frame Finder, same as No. 66,080, but chrome finish
66,085 RASAL	Direct Vision View Finder, complete with mask for use with all LEICA lenses (combination of RASUK and RAMET) of 35, 50, 73, 90, 105mm (discontinued) and 135mm focus
66,090 RASAL- CHROM	Direct Vision View Finder, complete, same as No. 66,085, but chrome finish
66,092 RWBOO	<b>Soft Leather Purse Case,</b> for Direct Vision View Finders Nos. 66,070, 66,075, 66,085 and 66,090
66,100 SUOOQ	Special View Finder for 28mm HEKTOR lens
66,102 SUOOQ- CHROM	Special View Finder, same as No. 66,100, but chrome finish
66,103 YSOOE	Adapter for Special View Finder for 28mm lens when used on Standard LEICA
66,104 RVZOO	<b>Brown Cowhide Leather Case,</b> for Special View Finders Nos. 66,100 and 66,102
	F 10 7

#### VIEW FINDERS





No. 66,180

Cat. No. and Code Word	ı
66,110 WEISU	Special View Finder for 35mm ELMAR lens
66,112 WEISU- CHROM	Special View Finder, same as No. 66,110, but chrome finish
<b>66,115</b> SFTOO	Special View Finder for 200mm TELYT lens
66,120 SUWOO	Special View Finder for 50mm lenses, for use on single exposure camera No. 65,400 or 65,405
66,150 SAIOO	Sport Finder, permits quick and convenient operation with long focus lenses. It is an optical finder giving a larger field of view than that actually embraced by the camera lens, the picture area being defined by a translucent white border, thus permitting a moving subject to be kept in view before it is actually photographed. To compensate for parallax at close range, a lever is turned. For use with the HEKTOR 73mm lens in chrome finish
66,152 SEROO	Sport Finder, same as No. 66,150, but for use with all LEICA lenses of 90mm focus, in chrome finish
66,154 SYEOO	Sport Finder, same as No. 66,150, but for use with all LEICA lenses of 135mm focus, in chrome finish
66,155 YSOOE	Adapter for Sport Finders when used on Standard LEICA
66,156 COOLG	Leather Case, accommodating any of the Sport Finders Nos. 66,150/66,154
66,170 WINKO	WINKO Angle View Finder, for LEICA Camera Models A, C and Standard LEICA, for use with 50mm lenses
	Brown Cowhide Leather Case, for WINKO Angle View Finder
66,180 WINTU	WINTU Angle View Finder, black finish for LEICA Camera Models II and III, for use with 50mm lenses with prism for focusing at

#### VIEW FINDERS

Cat. No. and Code Word

66,182 WINTU-CHROM WINTU Angle View Finder, same as No. 66,180, but in chrome finish, for LEICA Camera Models II, III, IIIa and IIIb .......

66,185 WIVOO Brown Cowhide Leather Case, for WINTU Angle View Finders Nos. 66,180 or 66,182, or for FOKOS Range Finders No. 66,250 and 66,251

NOTE: THE ANGLE VIEW FINDERS PERMIT TAKING PHOTOGRAPHS INCONSPICUOUSLY WHILE FACING IN A DIRECTION AT RIGHT ANGLES TO THAT OF THE SUBJECT, IN OTHER WORDS, ONE CAN PHOTOGRAPH "AROUND THE CORNER."

#### RANGE FINDERS





Price

No. 66,255

No. 66,248

66,245 FOKUX 66,246

Adjustable Holder, with Universal Joint for FOKIN Range Finder

FONOR 66,248 FOFER

Range Finder FOFER, with 10cm base length for small cameras with fixing clip

66,249 EUVER Calf's Leather Case, for FOFER, FOKIN or FONOR Range

66,250 FOKOS 66,251 66,251 FOKOS-CHROM

finish

66,255 HFOOK Short Base Range Finder FOKOS, but with special turret clip for use on Models A, B and C LEICA Cameras or other miniature cameras

66,256 HFOOK-CHROM Short Base Range Finder FOKOS, same as No. 66,255 but chrome finish .....

66,258 EURUS Soft Leather Purse Case, for FOKOS Range Finder No. 66,250 and Angle Finders Nos. 66,180 and 66,182 .....

66,260 SHOEE Metal Clip (shoe) black finish, with 3 metal screws for attaching view finders or range finders to cameras other than Leica ......

66,262 CLIPP Metal Clip (shoe), same as No. 66,260 but chrome finish .....





Cat. No. and Code Word



No. 66,340

Price

NOTE: ALL LEICA FILTERS ARE OF SOLID GLASS IN WHICH THE COLOR IS INHERENT. THEY MAY THEREFORE BE USED UNDER ALL CLIMATIC CONDITIONS AND RETAIN THEIR ORIGINAL COLOR. (Soft Leather Purse Cases for filters are listed on page 29.)

19 mm Filters in screw-in mounts for LEICA lenses ELMAR 35 and 50 mm only:

66,300 FIXTA	Yellow Filter 0 (very light)
66,302 FIRHE	Yellow Filter I (light)
66,304 FIRMY	Yellow Filter II (medium)
66,306 FINUS	Yellow Filter III (dark)
66,315 FIORE	U.V. (ultra violet) Protection Filter
66,318 FIXIO	Panchromatic (green) Filter
66,320 FCZOO	Infra Red Filter I (light)
66,322 FIBOB	Infra Red Filter II (medium)
66,324 FDOOH	Infra Red Filter III (dark)
	34mm Filters in slip-on mounts with clamping screw for Leica lenses: HEKTOR 28mm, ELMAR 35mm, ELMAR 50mm, HEKTOR 50mm, SUMMAR 50mm, ELMAR 90mm, HEKTOR 135mm, and HEKTOR 135mm lens in short focusing mount.
66,340 FIHEL	Yellow Filter 0 (very light)
66,342 FIGRO	Yellow Filter I (light)
66,344 FIGAM	Yellow Filter II (medium)
<b>66,346</b> QCPOO	Yellow Filter III, (dark)

[ 13 ]

Cat. No. and Code Word		Price
66,355 FIRAD	Graduated Yellow Sky Filter	
66,358 FIOLA	U.V. (ultra violet) Protection Filter	
66,370 FIPOS	Panchromatic (green) Filter	
66,372 FOOBD	Graduated Panchromatic (green) Filter	
66,378 FIQUX	Orange-Red Filter (very light)	
66,380 FEDOO	Infra Red Filter I, (light)	
66,382 FIKYB	Infra Red Filter II, (medium)	
66,384 FEOOG	Infra Red Filter III, (dark)	
	NOTE: ON SPECIAL REQUEST, FILTERS CAT. NOS. 66,340 TO 66,384 CAN BE SUPPLIED WITH CHROME MOUNT, ADDITIONAL COST	
	30mm Filters in screw-in mounts for Leica lenses: Hektor 28mm, Summar 50mm, Elmar 90mm, Hektor 135mm and Hektor 135mm in short focusing mount.	
66,400 FIMOO	Yellow Filter 0, (very light)	
66,402 FIOOC	Yellow Filter I, (light)	
66,404 FAVOO	Yellow Filter II, (medium)	
66,406 QBOOE	Yellow Filter III, (dark)	
66,415 FBOOK	U.V. (ultra violet) Protection Filter	
66,418 FBXOO	Panchromatic (green) Filter	
66,420 FNOOY	Infra Red Filter I, (light)	
66,422 FCOOI	Infra Red Filter II, (medium)	
66,424 FNUOO	Infra Red Filter III, (dark)	

Price

Cat. No. and Code Word 39mm Filters in screw-in mounts for Hektor 73mm lens. 66,450 Yellow Filter O, (very light) ..... FIWAS 66,452 Yellow Filter I, (light) ..... FIREG 66,454 Yellow Filter II, (medium) ..... FIWIG 66,456 Yellow Filter III, (dark) ..... FILXA 66,460 U.V. (ultra violet) Protection Filter ..... FIWET Graduated Yellow Sky Filter, in slip-on mount ..... 66.463 FIGIL 66,465 Panchromatic (green) Filter ..... FIRYX 66,468 Graduated Panchromatic (green) Filter, in slip-on mount ...... FOOCR 66,470 Infra Red Filter I, (light) ..... FGOOE Infra Red Filter II, (medium) ..... 66.472 FIPLO Infra Red Filter III, (dark) ..... 66,474 FHOOD Filters in bayonet mount for XENON f:1.5 lens: 66,490 Yellow Filter 0, (very light) ..... XOOAM 66.492 Yellow Filter I, (light) ..... XOOBZ Yellow Filter II, (medium) ..... 66,494 XOOCN Yellow Filter III, (dark) ..... 66,496 XOOMT Graduated Yellow Sky Filter ..... 66,500 XOODA 66,502 U.V. (ultra violet) Protection Filter ..... XOOFB Panchromatic (green) Filter ..... 66.504 XOOGP Graduated Panchromatic (green) Filter ..... 66,508 XOOHC 66,512 Infra Red Filter I, (light) ..... CIOOX Infra Red Filter II, (medium) ..... 66.514 XOOKD 66.516 Infra Red Filter III, (dark) ..... XOOLR

Cat. No. and Code Word	1	Price
	48mm Filters in screw-in mounts for Leica lenses: Thambar 90mm, and Telyt 200mm.	
66,530 POOAH	Yellow Filter 0, (very light)	
<b>66,532</b> POOBV	Yellow Filter I, (light)	
66,534 POOCI	Yellow Filter II, (medium)	
66,536 POOFX	U. V. (ultra violet) Protection Filter	
<b>66,540</b> PGOOX	Graduated Yellow Sky Filter, in slip-on mount	
<b>66,544</b> POODW	Panchromatic (green) Filter	
<b>66,550</b> PGYOO	Graduated Panchromatic (green) Sky Filter, in slip-on mount	
66,554 POOGL	Infra Red Filter I, (light)	
<b>66,556</b> POOEK	Infra Red Filter II, (medium)	
66,558 POOHY	Infra Red Filter III, (dark)	
	85mm Filters in screw-in mounts for LEICA lens Telyt 400mm.	
66,570 TFOOG	Yellow Filter 0, (very light)	
66,572 TFSOO	Yellow Filter I, (light)	
66,574 TGOOF	Yellow Filter II, (medium)	
66,580 TIOOD	U.V. (ultra violet) Protection Filter	
<b>66,586</b> TGUOO	Infra Red Filter I, (light)	
<b>66,588</b> Thooe	Infra Red Filter II, (medium)	
<b>66,590</b> THWOO	Infra Red Filter III, (dark)	
66,620 MOUNT	Filter Mount, 34mm diameter with set screw and special adapter ring to fit Wratten Filters of 32mm diameter	
66,625 CHROM	Filter Mount, same as No. 66,620, but chrome finish	

# **SUNSHADES**







No. 66,740



No. 66,715

Cat. No. and Code Word	1
66,700 SOOHN	Lens Sunshade, with clamping screw, for HEKTOR lens 28mm
66,705 FLQOO	Lens Sunshade, with clamping screw, for ELMAR lens 35mm
66,710 FISON	Lens Sunshade, with clamping screw, for ELMAR 50mm and 90mm, and HEKTOR 50mm and 135mm lenses
66,712 FISON- CHROM	Lens Sunshade, same as No. 66,710, but chrome finish
66,715 SOOMP	Lens Sunshade, for SUMMAR 50mm lens. It is especially designed for this lens, and provides the highest efficiency
66,718 XIOOM	Lens Sunshade, for XENON 50mm lens special collapsible type
66,720 FGHOO	Lens Sunshade, for HEKTOR 73mm lens (as replacement)
66,725 SHADE	Lens Sunshade, for THAMBAR 90mm lens (as replacement)
66,735 SUNGO	Lens Sunshade, for TELYT 200mm lens (as replacement)
66,740 FIKUS	Lens Sunshade, adjustable, for ELMAR 50 and 90mm, SUMMAR 50mm, HEKTOR 50 and 135mm lenses. Barrel is calibrated for the various focal length lenses and may be adjusted accordingly

# **SMALL CAMERA ACCESSORIES**





Cat. No. and



No. 66,800



No. 66,880

Code Word	
66,800 FILCA	Spare Roll Film Magazine, for LEICA Camera (all models except 250 Exposure Model)
66,805 SPUCA	Magazine Spool, for LEICA film magazine No. 66,800
66,810 SPULM	Take-up Spool, for LEICA Cameras Standard Model, II, III or IIIb, and former Models A, C or IIIa
66,820 KOOBF	Spare Roll Film Magazine, for LEICA Camera 250 Exposure Model. Accommodates rolls of 33 feet of film
66,825 KOOAS	Spare Film Holder, for Single Exposure Camera
66,835 FIRHU	Dust Cap, metal, to be screwed on base of LEICA lens when not in use (supplied either in black or in chrome finish; please state your preference)
66,840 ORVZO	Lens Cap, for all LEICA lenses excepting XENON 50mm, HEK- TOR 73mm, THAMBAR 90mm, TELYT 200mm and TELYT 400mm lenses, black finish
66,842 ORVZO- CHROM	Lens Cap, same as No. 66,840, chrome finish
66,845 XENCA	Lens Cap, for XENON lens 50mm
66,848 ORXDO	Lens Cap, for HEKTOR lens 73mm
66,860 ORZHO	Lens Cap, for TELYT 200mm or THAMBAR 90mm lens
66,870 ORTVO- CHROM	Special Lens Opening Cover, for LEICA Camera, chrome finish
66,880 FINOT	Wire Cable Release, 10 in. long, with arresting set screw for time exposures, for LEICA Cameras
66,882 OPKOM	Wire Cable Release, same as No. 66,880, but 20 in. long
66,885 FIDRI	Wire Cable Release, 10 feet long, for LEICA Cameras
66,888 FISEX	Wire Cable Release, 20 feet long, for LEICA Cameras

#### SMALL CAMERA ACCESSORIES







No. 66,895 in use with LEICA

Price

Cat. No. and Code Word

66,890 OOFRC

66,893 FIBOS Shoulder Strap, for LEICA Models III, IIIa and IIIb for replacement (one strap comes with each new Model III and IIIb LEICA), complete with metal snaphooks ......

66,895 TROOV Camera Sling, adjustable in length, of leather, with safety lock, for steadier pictures .....

#### TIMING DEVICES



No. 66,900



No. 66,915

66,900 HEBOO 66,903 ETOOQ Soft Leather Purse Case, for Automatic Slow Speed Timing Device No. 66,900

66,910 DIREKT Self-Timing Device for LEICA Cameras. Permits delayed action for exposures

66,915 APDOO Self-Timing Device for LEICA Cameras, improved model, permits the shutter of the camera to be automatically released in 12 to 15 seconds.

66,918 APOOM Soft Leather Case for Self-Timing Device No. 66,915 .....

## TRIPOD HEADS



Cat. No. and Code Word	
67,000 FOOMI	Ball Jointed Tripod Head, for use when mounting LEICA Camera in any fixed position
<b>67,005</b> KGOON	Large Ball Jointed Tripod Head, similar to No. 67,000, but larger and heavier, especially recommended for the TELYT 200mm and 400mm focus lenses
67,010 ZSOOG	Intermediate Socket for ball-jointed tripod heads when used on tripod stands with large top plate
67,015 SDOOG	Quick-Changing Snap-Socket Tripod Head
67,018 ZTNOO	Adapter for accommodating cameras or accessories with foreign tripod base to those having American tripod base, and vice versa
67,020 VEZUK	Protection Shield, for LEICA Camera; slips over side of camera having the tripod socket, protecting base plate and side of camera from injury
67,025 FARUX	Panorama Tripod Head, calibrated both for vertical and horizontal pictures with the LEICA Camera and any of the 50mm LEICA lenses. This panorama head permits the interchange of calibration rings so that perfectly matched pictures can be made with any of the LEICA lenses, except TELYT 400mm. (Rings for other than the 50mm lenses are sold separately, see below)
67,027 FOONW	Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 28mm lens
67,029 FAROS	Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 35mm lens
67,031 FAWAG	Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 73mm lens
67,033 FAXIS	Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 90mm lens

#### TRIPOD HEADS

Cat. No. and Code Word

Price

67,038 FARLY Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 135mm lens ......

67,042 FOOOL Interchangeable Calibrated Ring, for use on Panorama Head No. 67,025, calibrated for 200mm lens ......

NOTE: ITEMS NOS. 67,038 AND 67,042 ARE ARRANGED FOR PANORAMA PHOTOGRAPHY WITH CAMERA IN HORIZONTAL POSITION ONLY. WHEN USING OBJECTIVES 135MM AND 200MM FOCUS, THE PANORAMA HEAD NO. 67,025 SHOULD BE ATTACHED TO THE OBJECTIVES PROPER, WHICH HAVE A TRIPOD THREAD AND NOT TO THE CAMERA. TO PROVIDE FOR RIGID SUPPORT, THE LARGE BALL AND SOCKET HEAD NO. 67,005 SHOULD BE USED.

67,050 FIAVI Angle Bracket, for convenience in attaching and leveling LEICA Camera to panorama head ......

NOTE: THE SPIRIT LEVEL NO. 67,080 OR NO. 67,082, WHICH IS ATTACHED TO THE ANGLE BRACKET NO. 67,050 OR DIRECTLY TO THE LEICA CAMERA, SHOULD BE USED WHEN MAKING PANORAMA PICTURES.









No. 67.018

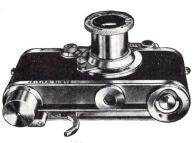
No. 67,060

67,060 TOOSF LEICA Table Tripod, all metal construction, leather-faced where required to prevent scratching the camera, with leveling and tripod screws, complete, ready for use

67,080 DOOLU 67,082 DOOLU- Spirit Level, same as No. 67,080, but chrome finish ......

## SUPPLEMENTARY CAMERA ACCESSORIES





No. 67,110

No. 67,117

Cat. No. and Code Word

Price

67,110 MOOLY **LEICA Motor,** for making sequence pictures automatically. Will permit series of up to 12 exposures at a speed of two exposures per second to be made. Contains powerful spring, and counting mechanism. Fits on base of camera in place of regular baseplate, in **chrome finish**.....

NOTE: ALL LEICA CAMERAS BEARING A SERIAL NUMBER BELOW 111,450 MUST BE ALTERED TO FIT THE LEICA-MOTOR. THE CHARGE FOR THIS CONVERSION IS \$15.00 ALSO LEICA CAMERAS BEARING SERIAL NUMBERS BETWEEN 111,450 AND 159,000 MUST BE CHANGED AT A COST OF \$4.50. LEICA CAMERAS WITH SERIAL NUMBERS ABOVE 159,000 CAN BE USED DIRECTLY WITH THE LEICA-MOTOR WITHOUT ANY CHANGE, EXCEPT FOR A MINOR ADJUST-MENT OF THE MOTOR.

67,115 SCNOO 67,117 SCNOO-CHROM Rapid Winder, same as No. 67,115, but chrome finish ......

NOTE: ALL LEICA CAMERAS BEARING A SERIAL NUMBER BELOW 111,450 MUST BE ALTERED TO FIT THE RAPID WINDER. THE CHARGE FOR THIS CONVERSION IS \$15.00. ALSO LEICA CAMERAS BEARING SERIAL NUMBERS BETWEEN 111,450 AND 159,000 MUST BE CHANGED AT A COST OF \$4.50. LEICA CAMERAS WITH SERIAL NUMBERS ABOVE 159,000 CAN BE USED DIRECTLY WITH THE RAPID WINDER WITHOUT ANY CHANGE.

#### SUPPLEMENTARY CAMERA ACCESSORIES



No. 67,150
with TELYT 200mm Lens,
Mirror Reflex Housing and
LEICA

Cat. No. and Code Word

Price

67,150

If the LEICA Gun is ordered for use with a TELYT or HEKTOR lens already in your possession, it is necessary to forward your camera and lens to us for proper adjustment.

67,155 RIFUN Carrying Case, for LEICA Gun with TELYT 200mm lens or HEK-TOR 135mm lens in short focusing mount .....

67,157 NUFIR Carrying Case, for LEICA Gun with TELYT 400mm lens ......



No. 67,200

67,200 NOOKY 67,210 NOOKY-HESUM Optical Short Distance Focusing Device, same as No. 67,200, however, for use with LEICA lenses HEKTOR 50mm f:2.5 No. 65,630 or SUMMAR 50mm f:2 No. 65,640

# STEREO APPARATUS







Nos. 67,315 with 67,320

Price

Cat. No. and Code Word	
67,300 STERO	STEREOLY Attachment, for taking stereo pictures with the LEICA Model IIIb, in case
67,302 VOSTN	STEREOLY Attachment, for taking stereo pictures with the LEICA Models II, III, or IIIa, in case
67,305 VORSA	STEREOLY Attachment, for taking stereo pictures with the LEICA Models A, C or Standard Model, in case
67,310 VORUF	Arm for STEREOLY Attachment (for using No. 67,305 in connection with LEICA Models II, III, IIIa)
67,312 ARMST	Arm for STEREOLY Attachment (for using No. 67,302 or 67,305 in connection with LEICA Model IIIb)
67,315 VOTRA	STEREO Viewer, for LEICA pictures, taken with the STEREOLY Attachments No. 67,300, No. 67,302 or No. 67,305, without stand, in case
67,320 VOTIV	Stand, serving as support for Stereo Viewer No. 67,315
	No. 67,325
67,325 FIATE	Stereo Slide Bar, for use when making two separate LEICA negatives for stereoscopic pictures

(SEE PAGE 37 FOR STEREO COVER GLASS PLATES)

## PHOTOFLASH UNITS



No. 67,500 with LEICA

No. 67,550 with LEICA

Cat. No. and Code Word

Price

67,500 SYNCO LEICA Synchronized Flash Unit, Model V, permits free access to the shutter speed dial, enabling the LEICA to be used at all shutter speeds. Complete, including battery case with two batteries, and means for attaching it to the tripod base of the Leica, built-in receptacle for miniature testing lamp, detachable aplanatic reflector, adjustable for different lamp sizes, special synchronizing head which fits into the accessories clip of the Leica, special quick-changing lamp socket

67,510 FLASH LEICA Synchronized Flash Unit, Model Va, same as No. 67,500 but for use with the Standard Model Leica

NOTE: NOS. 67,500 AND 67,510 ARE REGULARLY SUPPLIED WITH A POLISHED REFLECTOR. A DULL SURFACED REFLECTOR CAN BE SUPPLIED UPON SPECIAL ORDER OR OBTAINED AS AN ADDITIONAL ACCESSORY, AS LISTED BELOW:

67,520 FLECT **Dull Surfaced Reflector,** for use with Nos. 67,500 and 67,510. This reflector is useful for occasions where soft light is desirable, as in portraiture

67,530 BRACK 67,535 SYBAT Battery Case Extension, permitting three batteries to be used with flash units Nos. 67,500 or 67,510. (This is recommended when it is desired to use the flash lamps at a distance from the camera.) Including one battery......

67,550 BLITZ LEICA Synchronized Flash Unit, Model VI, new compact unit permitting free access to the shutter speed dial and allowing the LEICA to be used at all shutter speeds. Contact is made directly through the baseplate of the LEICA, eliminating the use of additional synchronizing heads. Complete, consisting of special baseplate which is interchanged with the regular baseplate of the LEICA, battery case, with two batteries, which is quickly attached to the special baseplate through a dove-tailed slide, built-in receptacle for miniature testing lamp, detachable reflector, two positions for reflector for different lamp sizes, special quick-changing lamp socket.



No. 68,020 with LEICA Camera

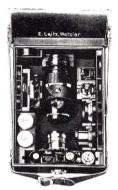


No. 68,055 with LEICA Camera and Accessories

Cat. No. and Code Word	
68,000 ESNAR	Eveready Case, cowhide, with neckstrap, for LEICA Models II, III, IIIa or IIIb, having any of the following lenses attached: ELMAR 35mm, ELMAR 50mm, HEKTOR 28mm, HEKTOR 50mm
68,005 ESOOR	Eveready Case, similar to No. 68,000, but for camera with Rapid Winder attached
68,010 EWOON	Eveready Case, similar to No. 68,000, but for camera with LEICA Motor attached
68,015 ESMOS	Eveready Case, cowhide, with neckstrap, for Standard Model LEICA and Range Finder FOKOS attached
68,020 ESFUS	Eveready Case, cowhide, with neckstrap, for LEICA Models II, III, IIIa or IIIb with SUMMAR 50mm lens attached
68,025 EPZOO	Eveready Case, similar to No. 68,020, but, for camera with Rapid Winder attached
68,030 EYSOO	Eveready Case, similar to No. 68,020, but, for camera with LEICA Motor attached
68,035 EXOOM	Eveready Case, cowhide, with neckstrap, for LEICA Models II, III, IIIa or IIIb with XENON 50mm lens attached
68,040 EMOOX	Eveready Case, similar to No. 68,035, but for camera with Rapid Winder attached
68,045 EZOOK	Eveready Case, similar to No. 68,035, but for camera with LEICA Motor attached
68,050 ESFOO	Eveready Case, cowhide, with neck strap, for 250 Exposure Model LEICA No. 65,205
<b>68,055</b> ETTWO	Combination Case, cowhide, with strap handle and shoulder strap; space for LEICA Camera, and ELMAR 50 and 90mm lenses, Universal View Finder, three filters and one extra magazine



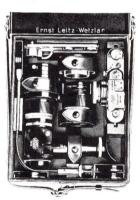
No. 68,060 and equipment



No. 68,065 and equipment



No. 68,070 and equipment



No. 68,080 and equipment

Price

Cat. No. and Code Word

68,060 ETTRE Combination Case, cowhide, with strap handle and shoulder strap; space for LEICA Camera, three LEICA lenses, Universal View Finder, Angle View Finder or FOKOS Range Finder, two Front Lenses, one extra film magazine and two filters......

68,065 ETNEU Combination Case, cowhide, with strap handle and shoulder strap; space for LEICA Camera, four LEICA lenses, Universal View Finder, Angle View Finder or FOKOS Range Finder, Reflecting View Finder, three Front Lenses, two extra film magazines and five filters

Cat. No. and Price Code Word 68,070 Combination Case, cowhide, with strap handle and shoulder strap; space for LEICA Camera, five LEICA lenses, Universal View Find-ETGUS er. Angle View Finder or FOKOS Range Finder, Reflecting View Finder, three Front Lenses, three extra film magazines, sunshade and five filters ..... Combination Case, cowhide, with strap handle and shoulder strap; 68,075 space for LEICA Camera, seven LEICA lenses, Universal View ETMAX Finder, Angle View Finder or FOKOS Range Finder, Reflecting View Finder, three Front Lenses, two extra film magazines, and four filters ..... 68,080 Combination Case, cowhide, with strap handle and shoulder strap, space for LEICA Camera, three LEICA lenses (any one of the EYOOL 50mm lenses plus HEKTOR 135mm and TELYT 200mm with Mirror Reflex Housing), Rapid Winder and four filters ..... Soft Leather Purse Case, for all LEICA Models except 250 exposure 68,085 model with any of the following lenses: HEKTOR 28mm, HEK-ETTAS TOR 50mm, ELMAR 35mm, ELMAR 50mm, SUMMAR 50mm ..... Soft Leather Purse Case, same as No. 68,085, but with zipper ..... 68,090 **ERDOO** Calf's Leather Case, for ELMAR 35mm or HEKTOR 28mm lenses 68,095 ETILA Calf's Leather Case, for ELMAR or HEKTOR 50mm lens ...... 68,100 ETIME Soft Leather Purse Case, for either HEKTOR 28mm and 50mm, 68,105 or ELMAR 35mm and 50mm lenses (accommodates one lens only) ETTIG Calf's Leather Case, for SUMMAR or XENON 50mm lens ...... 68,110 ETBIX Soft Leather Case, for SUMMAR 50mm lens ..... 68,112 ETBUL Soft Leather Case, for XENON 50mm lens ..... 68,114 **EXQOO** Soft Leather Purse Case, for ELMAR 90mm lens ..... 68,115 ETTON Calf's Leather Case, for ELMAR 90mm lens ..... 68,116 ETINI Soft Leather Purse Case, for HEKTOR 73mm lens ..... 68,117 ETTOX Calf's Leather Case, for HEKTOR 73mm lens ..... 68,118 ETINX Calf's Leather Case, for either ELMAR 35mm and HEKTOR 73mm, 68,120 or HEKTOR 28mm and 73mm in combination ..... **ETOSA** Calf's Leather Case, for THAMBAR 90mm lens ..... 68,124 EQOOT Soft Leather Purse Case, for THAMBAR 90mm or HEKTOR 135mm 68.125 ETTUM



Price

	100.00,120 00,110 00,100
Cat. No. and Code Word	
<b>68,126</b> ETIPO	Calf's Leather Case, for HEKTOR 135mm lens
68,130 EMTOO	Calf's Leather Case, for TELYT 200mm lens with Mirror Reflex Housing No. 65,700
68,134 ETISY	Calf's Leather Case, for either HEKTOR 28mm, or ELMAR 35mm, and HEKTOR 135mm lenses in combination
68,140 EUVIL	Soft Leather Purse Case, for filters of 30mm and 34mm diameter
68,142 EUVAT	Soft Leather Purse Case, for filters of 39mm and 48mm diameter and filters for XENON lens
68,144 ETOOQ	Soft Leather Purse Case, for Automatic Slow Speed Timing Device No. 66,900
68,148 VILUI	Brown Cowhide Leather Case, for VIDOM Finders No. 66,000 and 66,005
68,158 AUFET	Brown Cowhide Leather Case, for Reflecting View Finder No. 66,050
68,162 ETHOO	Brown Cowhide Leather Case, for Reflecting View Finders Nos. 66,055 and 66,060
68,164 RWBOO	<b>Soft Leather Purse Case,</b> for Direct Vision View Finders Nos. 66,070, 66,075, 66,085 and 66,090
68,166 RVZOO	Brown Cowhide Leather Case, for SUOOQ Special View Finders Nos. 66,100 and 66,102
68,168 COOLG	Leather Case, accommodating any one of the Sport Finders Nos. 66,150 to 66,154
68,178 WIOOK	Brown Cowhide Leather Case, for WINKO Angle View Finder No. 66,170
68,182 WIVOO	Brown Cowhide Leather Case, for WINTU Angle View Finders Nos. 66,180 and 66,182, or for FOKOS Range Finders Nos. 66,250 and 66,251
68,185 EUVER	Calf's Leather Case, for FOKIN, FONOR or FOFER Range Finders
68,187 EUKOS	Calf's Leather Case, for FOKOS Range Finders
<b>68,188</b> EURUS	Soft Leather Purse Case, for FOKOS Range Finders or Angle Finders Nos. 66,180 and 66,182

[29]

#### DARKROOM SUPPLIES

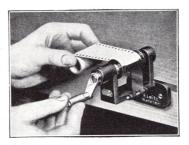


Cat. No. and Code Word

**68,295** FOOVA

LEICA Film-Tank, to facilitate the loading of Leica and other magazines in daylight. Consists of a chamber which holds approximately 325 feet of 35mm film; a compartment in which the Leica magazine is inserted and loaded in daylight; a meter to indicate approximately the amount of film in the large chamber, and means for indicating the amount of film wound into the magazine. No parts of the Film-Tank touch the sensitive emulsion, preventing scratches

Price



No. 68,305

68,305 AFLOO 

#### DARKROOM SUPPLIES



No. 68,310

Cat. No. and Code Word

68.310

AGRIF

Hand Film Winder, for use in loading LEICA magazine spools in

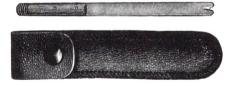
Price



No. 68,320

68,320 ABLON Film Trimming Guide, of hinged metal, used to shape and trim ends of film for loading into film magazines ......

68,325 ANZOO



No. 68,330

68,330 ABCOO Film Cutting Knife, serves to cut the film while in the camera; particularly desirable in connection with the 250 Exposure LEICA No. 65,200, in case



No. 68.340

68,340 FHKOO Film Holding Device, for making single exposures with the LEICA Camera (for darkroom loading) ......

#### DEVELOPING APPARATUS





No. 68,450 and 68,490

Price

Code Word 68,400 REELO All Bakelite Developing Tank Model A for LEICA and all FETAN other 35mm cine film up to 51/2 ft. lengths, complete with tank, lid, grooved reel and hand agitator ..... 68,402 Extra Reel for REELO Tank Model A ..... FEVIN REELO Tank Model A and lid only (without reel) ..... 68,405 FEVOP 68.407 **FEVUQ** 68.410 REELO All Bakelite Developing Tank Model B for all roll films of the vest-pocket No. 127 size, complete with tank, lid, grooved reel FETBE and hand agitator ..... 68,412 Extra Reel for REELO Tank Model B ..... FESAR REELO All Bakelite Developing Tank Model C for all roll films 68,415 of the 21/4 x 31/4 in. No. 120 size, complete with tank, lid, grooved FETCA reel and hand agitator ..... Extra Reel for REELO Tank Model C ...... 68.418 **FESCO** 68,420 Washing Nozzle for REELO Tanks A, B and C; facilitates washing NOZLE LEITZ Reel Type Developing Tank for LEICA and all other 35mm 68,430 cine film up to 51/2 ft. length, complete with tank, lid, spiral reel, DEFOO hand agitator and trimming guide ..... CORREX All Bakelite Developing Tank, complete with reel, apron 68,450 and hand agitator ..... CORUN Hand Agitator for CORREX tank ..... 68.452 COSTI Extra Reel for CORREX tank ..... 68,455 CORID 68,458 Extra Celluloid Apron for CORREX tank .....

CORYB

#### DEVELOPING APPARATUS

Cat. No. and Code Word

68,460
CORREX Tank and Lid Only, with hand agitator, without reel or apron

68,462
CORREX Tank Only, without lid, hand agitator, reel or apron ...

CORPE

68,465
Extra Lid, for CORREX tank

CORCF



Price

No 68,480

No. 68,430

68,480 TAHOO Daylight Loading Developing Tank for LEICA and other 35mm cine films up to 5½ ft. lengths, permits loading film onto developing reel from LEICA Camera magazine or film cartridge, in daylight. Consists of tank, film loading mechanism, reel, lid, special built-in film cutting knife, trimming guide and hand agitator.....

68,490 CORET Tank Thermometer, calibrated in Fahrenheit for use with REELO, CORREX, Daylight Loading or LEITZ Reel Type tanks ........





No. 68.490

No. 68,520

68,520 FIMAN Developing Drum Outfit, complete with two glass trays, metal stand support for drum, and glass revolving drum. Especially useful for developing natural color film and positive film strips where it is necessary to observe the development of the image on the film ....

68,522 FICYL Glass Drum, of developing drum outfit, No. 68,520 without axle ....

68,525 FIXAM Extra Metal Clip, for developing drum outfit, No. 68,520 ......

68,528

Glass Tray of No. 68,520 .....

FISUL 68,540 FIALT

Holder for Single Negatives, to facilitate handling cut LEICA Films with single exposures in the developing and fixing solution. Especially recommended for negatives exposed in the Single Exposure Camera No. 65,400 and film holder No. 73,840......

#### **DEVELOPER**

Cat. No. and Code Word

Price

68,560 ULTRA

#### **NEGATIVE VIEWERS**



No. 68,600

68,600
NATRA
NATRA

NATRA

LEICA Negative Viewer and Marker, with polished metal film channel, film-notching punch, and magnifying lens. Permits negatives to be seen clearly, distinctly and greatly enlarged so that detail in each is quickly noted without the necessity of placing in enlarger

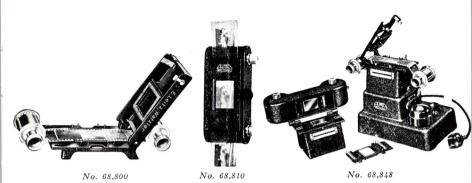
68,610
NAKUL

LEICA Negative Viewer and Marker, similar to No. 68,600, but with handle

68,615 Small Plate of Milk Glass, with frame for attaching in front of the NAMAS negative viewers No. 68,600 or 68,610 to provide diffused light ....

## **NEGATIVE FILE SYSTEMS**

## FILM AND SLIDE PRINTING APPARATUS



Cat. No. and Code Word	
68,800 ELDUR	LEICA Positive Printing Apparatus, for LEICA glass diapositives 50 x 50mm
68,810 ELDIA	ELDIA Printing Apparatus, for printing paper or film strips from LEICA negatives, complete with window for LEICA negatives
68,815 ELKIN	Reducing Window, for ELDIA Printer, No. 68,810, accommodating single frame negatives 18 x 24mm ( $\frac{3}{4}$ x 1")
68,820 ELLET	Window, for ELDIA Printer No. 68,810, accommodating standard LEICA 24 x 36mm negatives. (For replacement)

### PROFESSIONAL PRINTERS

Price

68,840 KOVIR	(50 x 50mm.) glass plates, consisting of:
	(1) Base Housing with 15 Watt bulb for the exposure, built-in rheostat for the control of the exposure, opal glass disc for dif-
	fusion, ruby bulb for viewing the negative, device for dodging
	and two negative film spools.  (2) Lantern Slide Attachment with 1 x 1½ in. (24 x 36mm) masking
	window and holder for 2 x 2 in. (50 x 50mm) glass plates

**68,842 Professional Printer** for printing LEICA negatives on 35mm positive film rolls, consisting of:

- (1) Base Housing as described under item 1 of No. 68,840.
  (2) Positive Film Attachment holding up to 33 ft. of 35mm positive film, with two spools, sprocket drive with catch device as a

### PROFESSIONAL PRINTERS

Price

	PROFESSIONAL PRINTERS
Cat. No. an Code Word	
68,844 KOPAT	Combination Professional Printer for printing LEICA negatives on lantern glass plates 2 x 2 in. (50 x 50mm) and on 35mm positive film rolls, consisting of:  (1) Base Housing as described under item 1 of No. 68,840.  (2) Lantern Slide Attachment as described under item 2 of No. 68,840.  (3) Positive Film Attachment as described under item 2 of No.
	68,842
68,846 Koora	Professional Printer for printing LEICA negatives 1 x 1½ in. (24 x 36mm) or single frame negatives ¾ x 1 in. (18 x 24mm) on 35mm positive film rolls, consisting of:
	(1) Base Housing as described under item 1 of No. 68,840.  (2) Positive Film Attachment holding up to 33 ft. of 35mm positive film, with two spools, sprocket drive with catch device as a guide for winding the film and interchangeable masking windows for 1 x 1½ in. (24 x 36mm) and ¾ x 1 in. (18 x 24mm)
68,848 KOORA- KOGLA- KOREF	Combination Professional Printer for printing LEICA negatives 1 x 1½ in. (24 x 36mm) and single frame negatives ¾ x 1 in. (18 x 24mm) on 2 x 2 in. (50 x 50mm) glass plates and on 35mm positive film rolls, consisting of:  (1) Base Housing as described under item 1 of No. 68,840.  (2) Lantern Slide Attachment as described under item 2 of No. 68,840.
	<ul> <li>(3) Positive Film Attachment as described under item 2 of No. 68,846.</li> <li>(4) Masking Window No. 68,878</li></ul>
	ACCESSORIES FOR PROFESSIONAL PRINTERS
68,860 KOLOM	Base Housing for Professional Printer (item 1 of No. 68,840)
68,862 KOGLA	Lantern Slide Attachment for Professional Printer (item 2 of No. 68,840)
<b>68,864</b> KOTOS	Positive Film Attachment with non-interchangeable masking window 1 x $1\frac{1}{2}$ in. (24 x 36mm) (item 2 of No. 68,842)
<b>68,866</b> Koohi	Positive Film Attachment with interchangeable masking windows for 1 x $1\frac{1}{2}$ in. (24 x 36mm) and $\frac{3}{4}$ x 1 in. (18 x 24mm) films
68,878 KOREF	<b>Masking Window,</b> for Lantern Slide Attachment for Professional Printer, with ¾ x 1 in. (18 x 24mm) aperture
68,880 Konaf	Masking Window, same as No. 68,878, but with 30 x 40mm aperture
68,882 KODRE	Masking Window, same as No. 68,878, but with 40 x 40mm aperture
	F 9.6.7

### ACCESSORIES FOR PROFESSIONAL PRINTERS

	ACCESSORIES FOR PROFESSIONAL PRINTERS
Cat. No	
68,884 KOSUS	Two Spools, for Professional Printer to take roll films of 30 x 40mm and 40 x 40mm size
68,886 ELGL	Metal Pressure Plate, for the Lantern Slide Attachment of Professional Printers Nos. 68,840, 68,844 and 68,848. This device permits the making of paper contact prints. It may also be used for ELDUR Printer No. 68,800
68,890 OSRO	Ruby Observation Lamp, for all Professional Printers (for replacement)
68,892 OSLA	Lamp, 15-watt, for all Professional Printers (for replacement)
	MATERIAL FOR MOUNTING LANTERN SLIDES
69,000 USTOI	Paper Slide Masks, aperture 24 x 36mm, for use with standard 50 x 50mm glass slides. One side is coated with a special tin-foil compound which deflects the heat from the lamp housing and protects the slide from excessive heatper hundred
69,005 ULSM	LEICA (Medium) 50 x 50mm Lantern Plates, for black tones.  Grade A glassper dozen
69,010 ULSO	LEICA (Contrast) 50 x 50mm Lantern Plates, for black tones.  Grade A glassper dozen
69,015 UGLA	Cover Glass Plates, 35 x 120mm, for mounting three stereo pictures or three film positivesper hundred
69,020 UGLIT	Cover Glass Plates, 50 x 50mm, for mounting glass positives, per hundred
69,025 LANC	Case for LEICA Lantern Slides, capacity 100 slides, 50 x 50mm
69,030 UMAS	Black Paper Masks, 50 x 50mm with 24 x 36mm aperture K
69,035 UMKI	Black Gummed Paper, ½ in. wide, 250 ft. long, for binding glass positives, per roll
69,040 CELL	Scotch Cellulose Binding Tape, black, 2592 in. per roll, ½ in. wide. (This tape is opaque and makes a very smooth and attractive slide binding material.)
69,042 CEREI	Scotch Cellulose Binding Tape, same as No. 69,040, but red, per roll
<b>69,050</b> UMDO	Mounting Kit for Leica Color Films, consisting of 25 metal changing frames, 50 glass plates 2 x 2 in. (50 x 50mm), 25 tinfoil folding masks, and case for 25 slides
69,055 UDOO	Folding Masks as used in No. 69,050per hundred L

#### ROTATING FOCUSING COPYING ATTACHMENTS



No. 70,000 with No. 70,020 and LEICA attached to upright with baseboard of enlarger



No. 70,010 with No. 70,020 and LEICA 250 attached to upright

Price

Cat. No. and Code Word

70,000 OORES Rotating Focusing Copying Attachment, consisting of rotating stage which holds the LEICA Camera and ground glass focusing screen with clear glass center.

NOTE: THE COPYING ATTACHMENT NO. 70,000 CAN BE USED FOR FOCUSING AT ANY DISTANCE INCLUDING INFINITY.

70,010 GRBOO Focusing Copying Attachment, similar to No. 70,000 but with a dove-tailed slide arrangement, for use with 250 Exposure Model LEICA

70,020 GOORM

NOTE: THE FOCUSING COPYING ATTACHMENTS NOS. 70,000 OR 70,010 TOGETHER WITH THE SLIDING ARM CAN BE ATTACHED TO THE VERTICAL UPRIGHT OF THE LEICA UNIVERSAL ENLARGERS. IF AN ENLARGER IS NOT AVAILABLE, THE BASEBOARD AND UPRIGHT MAY BE PURCHASED SEPARATELY. SEE ALSO NOS. 70,170, 70,180, 70,195, 70,220 AND 70,520/532.

70,040 LGCOO

70,045 LVFOO Large Wide-field Focusing Magnifier 5X, permitting to view the entire field of the image at one glance, for use on Copying Attachments Nos. 70,000 and 70,010

70,050 LKIOO

70,055 LWHOO Focusing Magnifier 30X, for increased exactitude in focusing, for use on Copying Attachments Nos. 70.000 and 70.010 ..............

[ 38 ]







No. 70,120



No. 70,070



No. 70,075

Price

Cat. No. and Code Word

70,070 Intermediate Focusing Mount, for conveniently focusing the 50mm ELMAR lens when used with Copying Attachments Nos. 70,000 and 70,010. With this focusing mount the lens can be focused at any distance between ∞ and 16.5 in. At 16.5 in. the reduction is 1/6....

70,072 ZWTOO-HESUM Intermediate Focusing Mount, same as No. 70,070 but for use with HEKTOR and SUMMAR 50mm lenses .....

70,075 BOOXZ Extension Tube (7mm) "B", giving reductions of from 1/3 to 1/2.5, or, in conjunction with intermediate focusing mounts Nos. 70,070 or 70,072 from 1/5 to 1/4. For use on Nos. 70,000 and 70,010 .......

70,078 MOOBG Extension Tube (16mm) "M.1:2", giving reductions in the ratio of 1/2. For use on Nos. 70,000 and 70,010 ......

70,080 MOODH Extension Tube (24.5mm) "M.1:1.5", giving reductions in the ratio of 1/1.5. For use on Nos. 70,000 and 70,010 ......

70,082 MOOGW Extension Tube (41mm) "M.1:1", giving reproductions in natural size. For use on Nos. 70,000 and 70,010 ......

NOTE: WHILE IT IS QUITE SATISFACTORY TO USE THE 50mm LENSES FOR ORDINARY COPY WORK, SUCH AS REPRODUCTION OF MANUSCRIPTS, ETC., THE PERSPECTIVE CAN BE GREATLY IMPROVED BY USING ONE OF THE LONG FOCUS LEICA LENSES, ESPECIALLY WHEN PHOTOGRAPHS OF OBJECTS ARE TAKEN WHICH HAVE A CERTAIN DEPTH. THE 90 AND 135mm LEICA LENSES WOULD NOT ALLOW OF FOCUSING AT ANY DISTANCE UP TO INFINITY WHEN USED IN THE FOCUSING COPYING ATTACHMENTS WITH THEIR STANDARD FOCUSING MOUNTS. FOR THIS REASON WE RECOMMEND THE SPECIAL FOCUSING MOUNTS NOS. 70,122 AND 70,125, WHICH CAN BE FOCUSED AT ANY DISTANCE UP TO INFINITY. FOR SHORTER DISTANCES AT GREATER MAGNIFICATIONS THEY ARE USED IN CONJUNCTION WITH ANY OF THE EXTENSION TUBES NOS. 70,075 TO 70,082 AND 70,400 TO 70,440.

70,120 COOED Special Short Focusing Mount, for the ELMAR 90mm lens for use with Nos. 70,000 and 70,010 ......

70,122 COOTL Special Short Focusing Mount, for the THAMBAR 90mm lens, for use with Nos. 70,000 and 70,010 ......

[39]

Price

Cat. No. and Code Word Special Short Focusing Mount, for the HEKTOR 135mm lens, for 70,125 use with Nos. 70,000 and 70,010 ..... COOHS 70,128 Extension Tube, for the TELYT 200mm lens, for use with Nos. 70,000 and 70,010 ..... MOORB No. 70,105 No. 70,150 70,140 Intermediate Adapter with correction lens, for use with Nos. 70,000 and 70,010, when making photomicrographs ...... TBKOO 70,142 Light-Excluding Ring, for making light-tight connection between LSZOO intermediate adapter No. 70,100 and microscope when making photomicrographs with Nos. 70,000 and 70,010 ..... NOTE: IT IS NECESSARY TO USE BOTH CAT. NOS. 70,140 AND 70,142 FOR PHOTOMICROGRAPHY WITH CAT. NOS. 70,000 AND 70.010. Copying Ring Illuminator, giving full, uniform illumination free 70,150 from reflections and shadows of any kind, on small objects. Any RIOOZ desired lighting effect can be obtained by moving the masking rings within the ring illuminator and by adjusting it in height; for Nos. 70,000, 70,010, 70,325, 70,330, 70,350 and 70,355 ..... 70,155 Rheostat Adjustable for 110-220-volt, fitted with ammeter, including electric cord, 5 ft. long, with plug. For use with Ring Illuminator RFUOO No. 70,150 ..... (THIS RHEOSTAT IS REQUIRED FOR USE WITH THE COPY-ING RING ILLUMINATOR.) 70.170 Collapsible Upright Pillar, with table clamp in three sections, total height 3 ft., 1¼ in. diameter ..... ZSLOO 70.172 Further Intermediate Portions (middle sections of the above Upright) 1 ft. long ......each **УОНОО** NOTE: THE COLLAPSIBLE UPRIGHT PILLAR WITH TABLE CLAMP NO. 70,170 WILL BE FOUND VERY USEFUL WHEN TRAVELING FOR SUPPORTING THE FOCUSING COPYING

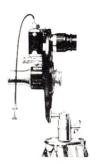
TRAVELING FOR SUPPORTING THE FOCUSING COPYING ATTACHMENTS NOS. 70,000, 70,010, 70,325, 70,330, 70,350 AND 70,355 IN PLACE OF THE UPRIGHT OF AN ENLARGER. THE COPYING DEVICES ARE ATTACHED TO THE UPRIGHT WITH THE SLIDING ARMS NOS. 70,020 OR 70,370. THE INTERMEDIATE PORTIONS SERVE FOR INCREASING THE HEIGHT OF THE UPRIGHT.



No. 70,055

No. 70,070 and 70,075

No. 70,000 with LEICA, Magnifier No. 70,040 attached to Stand No. 70,180



No. 70,000 with LEICA, Magnifier No. 70,040 and No. 70,185 attached to a Tripod



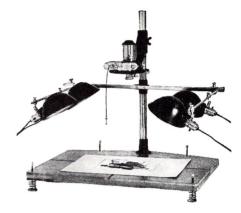
No. 70,195 with No. 70,200, 70,185, 70,000, 70,050 and LEICA with Lenses and Extension Tubes



No. 70,220 with Nos. 70,000, 70,020, 70,040, 70,055, 70,230 and 70,240. LEICA with Lens also shown



Nos. 70,000, 70,020, 70,040,



Nos. 70,220 with 70,000, 70,020, 70,045, 680

70,055, 7 70,230, 70,2	0,150, 70,155, 70,220, Nos. 70,220 with 70,000, 70,020, 70,049, 240 and LEICA Camera LEICA Camera with Lens and Illuminator No. 7	0,680
Cat. No. and Code Word		Price
70,180 SPOOV	Special Horseshoe Stand adjustable in height with white-surfaced board for the specimen, for the Copying Attachments Nos. 70,000 and 70,010	
<b>70,185</b> KGOON	Large Ball and Socket Head, similar to the regular LEICA ball and socket tripod head but larger and heavier, for attaching focusing Copying Attachments Nos. 70,000 and 70,010 to tripod or horse-shoe stand when photographing with the camera and rotary stage in a horizontal direction	
70,190 ZTNOO	Adapter, for accommodating cameras or accessories with foreign tripod base to those having American tripod base, and vice versa	
ZINOO	(This adapter is required for the Rotating Focusing Copying Attachments No. 70,000 and 70,010 when used on a tripod stand.)	
70,195 SPMOO- DOOSL	Large Horseshoe Stand with upright 25 in. high, 1¼ in. diameter and base board for specimens, for use with the Copying Attachments Nos. 70,000 and 70,010	
<b>70,200</b> GOOZQ	Short Sliding Arm with tape measure for attaching the Rotating Focusing Copying Device to the Large Horseshoe Stand (This Sliding Arm fits all uprights of 1½ in. diameter.)	
70,220 VAFOO	Base Board, 19 x 27 in., with upright 4 ft. high, 1½ in. diameter, with vibration absorbing, four-spring base, with cord, plug and switch for the illuminating units	
70,230 UNOOB	Sliding Arm with lens holder and variable bellows (lower stage) for use with Rotating Focusing Copying Attachment, for copying work at a magnification on the negative from 3 to 10 diameters	
70,240 STUOO	Steel Tape Measure with holder and weight	
70,250 FDBOO	Fine Focusing Adjustment for the lower or upper stage	

# COPY AND REPRODUCTION APPARATUS SLIDING FOCUSING COPYING ATTACHMENTS





No. 70,325 equipped with LEICA Camera and extension tubes, attached by sliding arm No. 70,370 to upright with baseboard.

Cat. No. and Code Word

70,325 FULDY Sliding Focusing Copying Attachment, Model 1, consisting of sliding attachment which holds LEICA Camera and ground-glass focusing screen ......

70,330 COPIN Sliding Focusing Copying Attachment, Model 1, same as No. 70,325, but with special focusing screen which has a calibrated clear glass strip for critical focusing .....

70,350 FULET Focusing Copying Attachment, Model 2, similar to No. 70,325, but does not contain the sliding camera attachment. The ground-glass screen is manually removed to make space for the LEICA Camera. Other than the inconvenience involved, it produces the same results as No. 70,325.

70,355 COSLA Focusing Copying Attachment, Model 2, same as No. 70,350, but with special focusing screen which has a calibrated clear glass strip for critical focusing ......

70,370 VEARM **Sliding Arm,** for attaching LEICA and Copying Attachments Nos. 70,325, 70,330, 70,350 and 70,355 to upright of Enlargers Nos. 73,000, 73,010, 73,100 and 73,215 ......

NOTE: THE FOCUSING COPYING ATTACHMENTS TOGETHER WITH THE SLIDING ARM CAN BE ATTACHED TO THE VERTICAL UPRIGHT OF THE LEICA UNIVERSAL ENLARGERS. IF AN ENLARGER IS NOT AVAILABLE, THE BASEBOARD AND UPRIGHT MAY BE PURCHASED SEPARATELY.

70,380 VEHAL Sliding Arm, for attaching LEICA and Copying Attachments Nos. 70,325, 70,330, 70,350 and 70,355 to upright of enlargers Nos. 73,040 73,110 and 73,300

[43]

Price

Cat. No. and Code Word

70,390 LGCOO Magnifier 5X with adjustable collar for Sliding Focusing Copying Attachments, Models Nos. 1 and 2, as well as Nos. 70,000 and 70,010

NOTE: ALSO SEE 30X MAGNIFIER NO. 70,055. WHEN THIS MAGNIFIER IS USED THE COPYING ATTACHMENTS NOS. 70,325 OR 70,350 SHOULD BE EQUIPPED WITH A SPECIAL FOCUSING SCREEN WHICH HAS A CALIBRATED CLEAR GLASS STRIP, WHICH CAN BE OBTAINED at \$5.55 additional and an installation charge of \$1.65. THE SLIDING FOCUSING COPYING ATTACHMENTS NOS. 70,330 AND 70,355 HAVE A CALIBRATED CLEAR GLASS STRIP ON THE FOCUSING SCREEN.

70,400 FULOR 1.2cm Extension Tube, for use with Copying Attachments Nos. 70,000, 70,010, 70,325, 70,330, 70,350 and 70,355 ......

70,410 UBECD

70,420 FULFO

70,430 FULGX 70,440 FULHI

### COLLAPSIBLE TABLE REPRODUCTION DEVICE



No. 70,500/510



Price

Nos. 70,520, 70,522, 70,550, LEICA and Angle View Finder

70,500 OOZIS 70,510 OOZKU Set of Five Adapter Rings, of different lengths .....

### SIMPLIFIED COPYING DEVICES

Cat. No. an Code Word	
70,520 FEFFU	Baseboard, 15½ x 18 in., with upright 20 in. high, $1½$ in. diameter
70,522 FELIF	Sliding Arm, short, for upright of 1¼ in. diameter, to carry the LEICA Camera
70,524 VELTU	Baseboard 15 $\frac{1}{4}$ x 18 in., with upright 40 in. high, $1\frac{1}{4}$ in. diameter
70,526 ROOMB	Sliding Arm, extra long, for upright of 11/4 in. diameter, to carry the LEICA Camera
70,530 VESTA	Baseboard, 20 x 24 in., with upright 4 ft. high, 2 in. diameter
70,532 VEHAL	Sliding Arm for upright of 2 in. diameter to carry the LEICA Camera
70,538 STAMA	Steel Tape Measure for conveniently setting the correct distance of the camera, self-rolling, with weight, attachable to any of the sliding arms
70,540 VEHIG	Ground Glass Housing for the exact determination of the boundaries of the image, complete, with 5X viewing magnifier and coverplate for the lens opening of the LEICA Camera, for use on sliding arms Nos. 70,522, 70,532 and 70,536
70,550 WZCOO	Adapter, for use of the Angle View Finder Nos. 66,180 and 66,182 in connection with reproduction stands
70,555 WICAB	Adapter, for use of the Angle View Finder No. 66,170
WICAB	(With these adapters the Angle View Finders are attached in front of the LEICA lens and can be used in this way for the alignment and for determining the size of the picture.)
70,560 FLOTH	Plumb Weight for the alignment of the LEICA Camera when used in copying work
SUPPLEME	NTARY FRONT LENSES
	Note: Front Lenses serve for focusing the 50mm ELMAR, HEKTOR and SUMMAR lenses at distances below 3½ ft. in copying work and when photographing small objects. They are not required for use with the Rotating and Sliding Focusing Attachments.
70,570 ELPRO	Front Lens I, for ELMAR 50mm lens (covers areas from $16_{16}^{\circ}$ x $24_{18}^{\circ}$ to $8_{16}^{\circ}$ x $12\%$ in.)
70,580 ELPIK	Front Lens II, for ELMAR 50mm lens (covers areas from $8\frac{7}{16} \times 12\%$ to $5\% \times 8\frac{1}{2}$ in.)
70,590 ELPET	Front Lens III, for ELMAR 50mm lens (covers areas from 4½ x $6\frac{\pi}{15}$ to $3\frac{3}{8}$ x 5 in.)
70,600 VMCOO	Front Lens Adapter, for accommodating ELMAR front lenses on SUMMAR 50mm lens

Price

	COPY AND REPRODUCTION APPARATUS		
Cat. No. and Code Word			
70,610	Front Lens I, for HEKTOR 50mm lens (covers area same as Front		
HEPRO	Lens No. 70,570)		
70,620 HEPIK	Front Lens II, for HEKTOR 50mm lens (covers area same as Front Lens No. 70,580)		
70,630	Front Lens III, for HEKTOR 50mm lens (covers area same as Front Lens No. 70,590)		
HEPET	Front Lens No. (0,390)  Front Lens Adapter, for accommodating HEKTOR front lenses		
70,640 VORGI	on SUMMAR 50mm lens		
70,650	Adapter Ring, for attaching LEICA filters on 50mm lenses when		
FIRGI	a front lens is being used on camera lens		
ΙΙΙΙΜΙΝΔΤ	ING DEVICES		
70.675	Illuminator, with two 60-watt 110-volt opal lamps, cord and plug,		
STALI	for all Rotating, Sliding and Simplified Copying Apparatus		
70,680 STYYX	Illuminator for Copying work, for use with any of the Rotating or Sliding Copying Attachments new, improved model with four 60-watt, 110-volt lamps. The lamps and lamp holders can be adjusted in two directions horizontally for evenly illuminating the area. The lamps are also provided with ball-jointed sockets and can be tilted in any direction. The entire illuminator is adjustable in height on the upright independent of the focusing devices. For use with uprights of 1½ in. (3.2cm) diameter (See illustration on page 42.)		
70,682	Hluminator, same as No. 76,680, for use with uprights of 2 in. (5cm) diameter		
ILLUM	Frosted Lamp, 60-watt 110-volt (for replacement)		
70,685 FILIF	Frosted Lamp, 60-watt 110-voit (101 replacement)		
	IES FOR COPYING X-RAY AND OTHER		
NEGATIVES AND FILMS			
	ELeitz, Wetzlar No. 70,570		



No. 70,820 Illuminator Box, 5 x 7 in. for copying ordinary or X-ray negatives and films with the LEICA camera. The size of the illuminated area is 5 x 7 in. (13 x 18cm). Equipped with four OSRAM ZIER lamps, 15-watt, 110-volt and ground and opal glass plates ...... Glass Plate for above, for holding films flat .....

70,802 VERYK 70,805

Illuminator Box, 91/2 x 12 in. (24 x 30cm), same as No. 70,800, but with three SOFIT lamps, 25-watt, 110-volt, giving a better and more even illumination .....

VIKUL 70,807 VIRUP

Glass Plate for above, for holding films flat ..... Illuminator Box, 12 x 16 in. (30 x 40cm), same as No. 70,800, but with four SOFIT lamps, 25-watt, 110-volt ..... Glass Plate for above, for holding films flat .....

70.810 VEPUT 70,812

VELYP

Cat. No. and Code Word

Price

70.820 VEKAS Illuminator Box, 16 x 20 in. same as No. 70,800, but with illuminated area of 16 x 20 in. (40 x 50cm) and with six frosted SOFIT lamps, 25-watt, 110-volt .....

NOTE: THE ABOVE ILLUMINATOR BOXES CAN BE USED IN CONNECTION WITH THE ROTATING, SLIDING AND SIM-PLIFIED COPYING APPARATUS.

70.825 VEDUK Connecting Cord, 11½ ft. (3½ meters) long, with plug and bell switch, for illuminator boxes .....

70.830 OSLAM OSRAM-ZIER Lamp, 15-watt, 110-volt, as replacement for the illuminator box No. 70,800 .....

70.835 SOFIT

SOFIT Lamp, 25-watt, 110-volt, 28cm long, frosted as replacement for illuminator boxes Nos. 70,805, 70,810 and 70,820 .....

### AUXILIARY REPRODUCTION DEVICES



No. 70,990



No. 70,922 with LEICA

No. 70,900 with LEICA

Auxiliary Reproduction Device, for use with LEICA Camera and interchangeable ELMAR 50mm lens, for 1:1 reproductions—the image on the negative being the same size as the object copied. Consists of an intermediate collar marked 1:1, clamping collar for lens, baseplate with cut-out portion to indicate the area reproduced, and three knurled connecting rods .....

70,912 BESUM

70,900

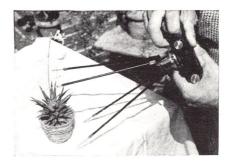
BELUN

Auxiliary Reproduction Device, same as No. 70,900, but for Summar

70.915 BETRY Set of Three Knurled Rods, to enable the use of the SUMMAR 50mm lens with Device No. 70,900 .....

70.920 BEINS

Auxiliary Reproduction Device, same as No. 70,900 but for ELMAR 35mm lens ......



No. 70,940 in use

Price

Cat. No. and Code Word	
<b>70,922</b> BEHOO	Auxiliary Reproduction Device, for LEICA with interchangeable ELMAR or SUMMAR lenses 50mm, for photographing small objects in slightly reduced size (scale 1:1.5, 1:2 and 1:3), the size limit of the object for the three possible settings is $1_{76}^+$ x $2\frac{1}{96}$ , $1\frac{1}{96}$ x $2\frac{1}{96}$ or $2\frac{1}{96}$ x $4\frac{1}{96}$ in consisting of three different intermediate collars marked 1:1.5, 1:2 and 1:3, universal clamping ring and four adjustable legs, with bands indicating distances (white bands for ELMAR and yellow bands for SUMMAR lenses)
70,925 BEKUR	Auxiliary Reproduction Device, same as No. 70,922, but for ELMAR 35mm lens
70,940 BEOOY	Setting Device, for the LEICA Camera, with interchangeable lenses ELMAR, HEKTOR or SUMMAR 50mm focus in connection with supplementary Front Lenses Nos. 2 or 3, consisting of clamping ring and four adjustable legs, with bands indicating distances (white bands for ELMAR and HEKTOR lenses, and yellow bands for SUMMAR lens). The size limit of the object for the three possible settings is $3\%$ x 5, $4\frac{1}{4}$ x $6\frac{1}{16}$ and $5\%$ x $8\frac{1}{2}$ in
70,942 BETAB	Four Extension Rods, for Setting Device No. 70.940 for use with Front Lens No. 2 with the focusing mount of the camera lens set at infinity, size of the object $8\frac{7}{16}$ x $12\frac{9}{16}$ in
70,950 BAZOO	Universal Focusing Arrangement, which combines the working possibilities of the devices No. 70,922 and No. 70,940, consisting of a universal clamping ring which fits the two sets of extension legs for the BEHOO and BEOOY attachments, three intermediate extension tubes with markings 1:1.5, 1:2 and 1:3 and four auxiliary rods No. 70,942
	<b>Note:</b> For Supplementary Front Lenses to be used with Nos. 70,940, 70,942 and 70,950, see page 45.
70,990 BELOS	Small Illuminating Lamp, with 25-watt 110-volt bulb
70,992	Replacement Bulb, 25-watt, 110-volt, for No. 70-990

BERAT

## APPARATUS FOR PHOTO-MICROGRAPHY

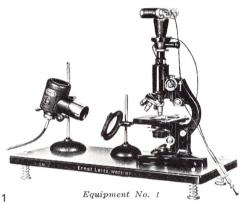


No. 72,005 with No. 72,010

Price

Cat. No. and Code Word	
72,000 MIOOP	Micro Adapter, for attaching LEICA Camera to draw-tube of microscope to enable photomicrographs to be made with the LEICA lens set at infinity
72,005 MIKAS	Micro Ibso Attachment, for the LEICA Camera for use in taking photographs through the microscope. This attachment is equipped with a conical extension tube, with correction lens giving an initial magnification of $\frac{i}{2}X$ , Ibsor shutter, with speeds of 1 second to $\frac{1}{2}$ 5 second, angular viewing telescope for focusing and viewing the microscopic image, with swing-out prism, Periplan 10X eyepiece and two wire cable releases, complete in case
72,010 CALOS	Automatic Release, for instantaneous exposures, by means of which the prism for the viewing telescope is swung out and the shutter opened consecutively, permitting to observe the object immediately before and after the exposure
72,015 GHEF	Conical Extension Tube, with correction lens of 1/3 X initial magnification, for Micro Ibso Attachment
72,020 GIIMW	$ \begin{array}{c} \textbf{Conical Extension Tube, with correction lens of } \frac{1}{2}X \text{ initial magnification, for Micro Ibso Attachment} \\ \dots \\ \end{array} $
72,025 GIINK	Conical Extension Tube, with correction lens of 1X initial magnification, for Micro Ibso Attachment
72,030 GHFT	Wire Cable Release, 18 in. long, for Micro IBSO Attachment
72,035 GIIBR	Wire Cable Release, same as No. 72,030, but with set screw

These are combinations of various LEICA accessories and various pieces of Leitz microscopic equipment which bring new convenience to photography in certain, specialized fields. The LEICA accessories recommended are also listed in various other sections of this catalog under different catalog numbers but the same codewords. The equipments are listed with a Standard Model LEICA. Any other LEICA model however, may be used in its place. Likewise, other microscopes may be substituted for the microscope outfits listed with equipments Nos. 1, 2 and 3.



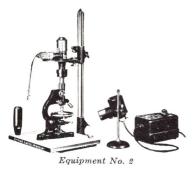
Price

EQUIPMENT No. 1

FOR PHOTO-MICROGRAPHY WITH A MICROSCOPE
AND MICRO IBSO ATTACHMENT

Cat. No. and Code Word	
72,100 BEMTI	LEITZ Microscope, Model B, with interchangeable monocular tube, substage b, with three-lens condenser N.A. 1.40, with centering mount, built-in square mechanical stage, triple nosepiece, achromatic objectives: 24mm (magnification 3.2X), 13mm (magnification 14X), 4mm (magnification 45X), oculars: huyghens 6X and periplan 10X, in wooden case
72,102	Baseboard on springs, protecting the microscope from vibration
MEWIN	
72,104	LEITZ Universal Microscope Lamp MONLA on adjustable stand
BEECH	with low-voltage lamp, 6-volts 5-amperes with adjustable condenser
72,106 REDYX	Regulating Transformer for A.C. only, 110/220 volts, with electric cord and plug for use with lamp No. 72,104
72,108	
IFSTA-	Adjustable Stand with Lifa filter No. 200b, yellow-green
DTEEO	
	TINGA Commen Standard Madel without laws
72,110	LEICA Camera, Standard Model, without lens
LENOT	
72,112	Wire Release with set screw for LEICA Camera
FINOT	

Cat. No. and Code Word		Pric
72,114 MIKAS	Micro Ibso Attachment	
72,116 CALOS	Automatic Release for instantaneous exposures	
72,118 OBXAD	EQUIPMENT NO. 1 COMPLETE	
EQUIPMEN FOR PHOT	O-MICROGRAPHY WITH A MICROSCOPE	
AND THE	ROTATING FOCUSING COPYING ATTACHMENT	
72,130 ELESS	<b>LEITZ Microscope Model LS</b> , with substage c, with three-lens condenser, with centering mount, square, built—on mechanical stage, triple nosepiece, achromatic objectives: 24mm (magnification 3.2X), 13mm (magnification 14X), 4mm (magnification 45X), oculars: huyghens 6X and periplan 10X, in wooden case	
72,132 BEECH	LEITZ Universal Microscope Lamp MONLA, on adjustable stand with low-voltage lamp, 6-volts 5 amperes with adjustable condenser	
72,134 REDYX	Regulating Transformer for A.C. only, 110/220 volts, with electric cord and plug, for use with lamp No. 72,132	
72,135 IFSTA- DTEEO	Adjustable Stand with Lifa Filter No. 200b, yellow-green	
72,136 SPMOO- DOOSL	Large Horseshoe Stand with upright 25 in. high, 1¼ in. diameter, with baseboard	
72,138 GOOZQ	Short Sliding Arm with tape measure for attaching the Rotating Focusing Copying Device to upright	
72,140 OORES	Rotating Focusing Copying Attachment	
72,150 LVFOO	Large Widefield Focusing Magnifier 5X	
72,152 LWHOO	Focusing Magnifier 30X	
72,154 GHEF	Conical Extension Tube with correction lens of ½X initial magnification	
72,156 GIIMW	Conical Extension Tube with correction lens of ½X initial magnification	
72,158 GIINK	Conical Extension Tube with correction lens of 1X initial magnification	
72,160 LSZOO	Light-Excluding Ring for making light-tight connection between the microscope and the extension tube	
72,162 LENOT	LEICA Camera, Standard Model, without lens	
72,164 FINOT	Wire Release with set screw for LEICA Camera	
72,166 TWOPL	EQUIPMENT NO. 2 COMPLETE	



Cat. No. and Code Word

TREPL



Equipment No. 3

Price

### **EQUIPMENT No. 3** FOR PHOTO-MICROGRAPHY WITH A MICROSCOPE AND THE LEICA WITH MIRROR REFLEX ATTACHMENT

72,180 ELESS	LEITZ Microscope Model LS with substage c, with three-lens condenser, with centering mount, square, built—on mechanical stage, triple nosepiece, achromatic objectives: 24mm (magnification 3.2X), 13mm (magnification 14X), 4mm (magnification 45X), oculars: huyghens 6X and periplan 10X, in wooden case	
72,182 SPMOO- DOOSL	Large Horseshoe Stand with upright 25 in. high, 1¼ in. diameter, with baseboard	
72,184 GOOZQ	Short Sliding Arm, with tape measure, for attaching to the upright	
72,186 KGOON	Large Ball-Jointed Tripod Head	
72,188 LENOT	LEICA Camera, Standard Model, without lens	
72,190 PLOOT	Mirror Reflex Housing	
72,192 GHEF	Conical Extension Tube with correction lens of 1/3X initial magnification	
72,194 LSZOO	Light-Excluding Ring for making light-tight connection between the microscope and the extension tube	
72,196 BEECH	LEITZ Universal Microscope Lamp MONLA, on adjustable stand with low-voltage lamp, 6-volts 5 amperes with adjustable condenser	
72,198 REDYX	Regulating Transformer for A.C. only, 110/220 volts, with electric cord and plug, for use with lamp No. 72,196	
72,200 IFSTA- DTEEO	Adjustable Stand with Lifa Filter No. 200b, yellow-green	
72,202	EQUIPMENT NO. 3 COMPLETE	

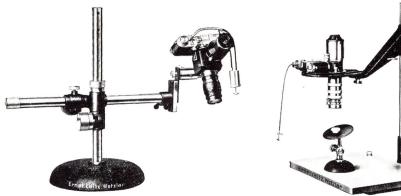


Equipment No. 4

# EQUIPMENT No. 4 FOR MEDICAL PHOTOGRAPHY, ESPECIALLY RECOMMENDED FOR OPHTHALMIC AND DENTAL PHOTOGRAPHY

Cat. No. and Code Word		Price
72,220 XADEE	Special Stand consisting of heavy iron base with head rest, adjustable chin and forehead support, special mechanical stand, adjustable on the baseboard, provided with 3 rack and pinion movements permitting vertical adjustment, and right and left and forward and backward movement of the camera in a horizontal direction, joint permitting the camera support and the upper rack and pinion motion to be tilted and to be rotated in any direction, with dove-tailed fitting	
72,222 XBEET	Dove Tail Slider with tripod screw to fit the camera or the mirror reflex housing	
72,224 LENOT	LEICA Camera, Standard Model, without lens	
72,226 PLOOT	Mirror Reflex Housing	
72,228 ELANG	LEITZ Anastigmat Elmar 90mm focus, f:4, in focusing mount	
72,2 <b>30</b> ZROOH	Extension Tubes 7mm, 16mm, 24.5mm, and 41mm	
72,2 <b>32</b> BEECH	LEITZ Universal Lamp MONLA on adjustable stand with low-voltage lamp, 6-volts, 5 amperes, adjustable condenser	
72,234 DEEMH	Iris Diaphragm for the Leitz Universal Lamp	
72,236 REDYX	Regulating Transformer for A.C. only, 110/220 volts, with electric cord and plug, for use with lamp No. 72,232	
72,238 FOUPL	EQUIPMENT NO. 4 COMPLETE	

[53]



Equipment No. 5

Equipment No. 6

### EQUIPMENT No. 5 FOR INDUSTRIAL PHOTOGRAPHY

Cat. No. and Code Word		Price
72,260 CMEET- XCEES- XBEET	Special Mechanical Stand USI with heavy iron base insuring extreme rigidity, with vertical and horizontal rods provided with rack and pinion movements, permitting the camera to be moved smoothly and accurately both vertically and horizontally, including removable dove-tailed slider with tripod screw for the camera	
72,262 LENOT	LEICA Camera, Standard Model, without lens	
72,264 PLOOT	Mirror Reflex Housing	
72,266 ELANG	LEITZ Anastigmat Elmar 90mm focus, f:4, in focusing mount	
72,268 zrooh	Extension Tubes 7mm, 16mm, 24.5mm, and 41mm	
72,270 KGOON	Large Ball-Jointed Tripod Head	
72,272 FIVPL	EQUIPMENT NO. 5 COMPLETE	

# EQUIPMENT No. 6 FOR SCIENTIFIC AND INDUSTRIAL PHOTOGRAPHY

FOR SCIEN	THIC AND INDUSTRIAL TOTAL
Cat. No. and Code Word	
72,290 SPMOO- DOOSL	Large Horseshoe Stand with upright 25 in. high, 1¼ in. diameter, with baseboard
72,292 GOORM	Sliding Arm for attaching Rotating Focusing Copying Attachment to upright
72,294 OORES	Rotating Focusing Copying Attachment
72,296 LVFOO	Large Widefield Magnifier 5X
72,298 LWHOO	Focusing Magnifier 30X
72,300 ZWTOO	Intermediate Focusing Mount for the Elmar 50mm lens
72,302 ZROOH	Extension Tubes 7mm, 16mm, 24.5mm, and 41mm
72,304 LENOT	LEICA Camera, Standard Model, without lens
72,306 ELMAR	LEITZ Anastigmat Elmar 50mm focus, f:3.5, in focusing mount
72,308 ELANG	LEITZ Anastigmat Elmar 90mm focus, f:4, in focusing mount
72,309 COOED	Special Short Focusing Mount, for ELMAR 90mm lens
72,310 VALAU	Slip-on Ring, for conveniently operating the iris diaphragm of the ELMAR 50mm lens
72,311 FINOT	Wire Release with set screw for LEICA Camera
72,312 HIIBE	Stand For Small Opaque Objects with object stage adjustable in height by rack and pinion motion and which can be rotated and tilted in all directions
72,314 LUFAS	Object Stage for photographing small objects in transmitted light
72,315 HIIDF	Complete Set of 5 illuminating lenses for Object Stage No. 72,314
72,316 DEEQK	Illuminating Stand with adjustable 100-watt, 110-volt lamp, adjustable condenser, iris diaphragm daylight filter, and ground glass plate
	-
72,318 SIXPL	EQUIPMENT NO. 6 COMPLETE





Equipment No. 7

Cat. No. and

SEVPL

### EQUIPMENT No. 7 SIMPLIFIED OUTFIT FOR COPYING WORK

Code Word		Price
72,340 FEFFU	<b>Baseboard</b> , 15¼ x 18 in., with metal upright 20 in. (50cm) high. 1¼ in. (30mm) in diameter	
72,342 FULDY	Sliding Focusing Copying Attachment, Model I, with ground glass focusing screen	
72,344 VEARM	Sliding Arm for attaching the copying attachment to the upright	
72,346 LGCOO	Focusing Magnifier 5X	
72,348 LENOT	LEICA Camera, Standard Model, without lens	
72,35 <b>0</b> ELMAR	LEITZ Anastigmat Elmar 50mm focus, f:3.5, in focusing mount	
12,352 FUECD	Extension Tubes 1.2cm, 2.2cm, 3cm, 6cm, and 9cm	
12,354 FINOT	Wire Release with set screw for LEICA Camera	
2.356	EQUIPMENT NO. 7 COMPLETE	

# EQUIPMENT No. 8 FOR MACROPHOTOGRAPHY (MAGNIFICATIONS ON THE NEGATIVE: 1X — 20X AND MORE)

Cat. No. and Code Word	
72,380 SPMOO- DOOSL	Large Horseshoe Stand with upright 25 in. high, 1¼ in. diameter, with baseboard
72,382 XDQH	Sliding Arm for attaching to the upright, with special mechanical stage on ball-bearings, permitting the camera to be moved laterally, longitudinally and vertically for extremely accurate image placement, with bracket for the Rotating Focusing Attachment
72,384 OORES	Rotating Focusing Copying Attachment
72,386 LKIOO	Large Widefield Angular Focusing Magnifier 5X
72,388 LWHOO	Focusing Magnifier 30X
72,390 ZROOH	Extension Tubes 7mm, 16mm, 24.5mm, and 41mm
72,392 LENOT	LEICA Camera, Standard Model, without lens
72,393 FINOT	Wire Release with set screw for LEICA Camera
72,394 SUMAN	Micro Summar 24mm focus f:4.5, with iris diaphragm
72,396 SUMIT	Micro Summar 42mm focus f:4.5, with iris diaphragm
72,398 SUMOS 72,402	Micro Summar 65mm focus f:4.5, with iris diaphragm
ZWMYY 72,406	Helical Focusing Mount, with adapter and thread for Micro Summar 65mm, and adapter ring for Micro Summars 24 and 42mm
HIIBE	Stand For Small Opaque Objects, with object stage adjustable in height by rack and pinion motion and which can be rotated and tilted in all directions
72,408 LUFAS	Object Stage for photographing small objects in transmitted light
72,410 HIIDF	Complete Set of five illuminating lenses for objectives of various focal length for use with the object stage for transmitted light
72,412 BEECH	LEITZ Universal Lamp Monla, on adjustable stand with low-voltage lamp, 6-volts 5 amperes, adjustable condenser
72,413 DEEMH	Iris Diaphragm for the Monla Lamp
72,414 REDYX	Regulating Transformer for A.C. only, 110/220 volts, with electric cord and plug, for use with lamp No. 72,412
72,416 EITPL	EQUIPMENT NO. 8 COMPLETE

### SPECIAL LENSES FOR MACROPHOTOGRAPHY

Cat. No. and Code Word		Price
72,430 SUMAN	Micro Summar 24mm focus, f:4.5, with iris diaphragm	
72,432 SUMAX	Micro Summar 35mm focus, f:4.5, with iris diaphragm	
72,434 SUMIT	Micro Summar 42mm focus, f:4.5, with iris diaphragm	
72,436 SUMOS	Micro Summar 65mm focus, f:4.5, with iris diaphragm	
72,438 SUMOR	Micro Summar 80mm focus, f:4.5, with iris diaphragm	
72,440 SUMMY	Micro Summar 100mm focus, f:4.5, with iris diaphragm	
72,442 SUMZO	Micro Summar 120mm focus, f:4.5, with iris diaphragm	
72,444 ZWTOO- HESUM	Intermediate Focusing Mount, with Bayonet lock	
72,446 ZWMQX	Adapter for the Bayonet lock of the focusing mount No. 72,444 with thread accommodating Micro Summar 65mm, and adapter ring for Micro Summars 24mm, 35mm, and 42mm focus	
72,448 COOWQ	Focusing Mount with one set of adapter rings for all Micro Summar lenses	



VALOY with Accessories



VAMAX with Accessories

Price

Cat. No. and Code Word

73,000 VALOY

73,010 VOGOS VOGOS Enlarger, same as the VALOY, but with horizontally rotating negative carrier, without lens

Note: The Rotating Negative Carrier of the VOGOS Enlarger permits it to be used for reading or projection purposes when used with the accessories listed on page 62.

73,020 FIGLX Lamp Housing of VALOY Enlarger, with extension arm, cord and plug, 75-watt, 110-volt lamp and metal mask for LEICA negatives, without lens.

73,030 VAROB Special 50mm VAROB Enlarging Lens with iris diaphragm engraved to indicate relative exposure times. Each stop is indicated by a slight click enabling the diaphragm to be correctly set in the dark. For use on all LEICA Enlargers. This lens cannot be used on the Leica Camera.

73,040 VEOOM VAMAX Universal Enlarger, for single frame, Leica double frame and up to 1% x 1% in. (4 x 4cm) negatives similar to the VALOY but with a larger baseboard, higher upright and longer supporting arm for lamp housing. Illuminating system and negative carrier same as in the VALOY. Baseboard 25 x 26 in. (62 x 65cm), upright 4 ft. (120cm) high and 2 in. (5cm) in diameter, with helical screw mount with thread permitting the use of 50mm LEICA lenses (except Xenon), with two clamps for easel without lens or easel (paper holder)

73,042 VAMAX VAMAX Universal Enlarger, same as No. 73,040 but with VAROB Enlarging Lens

73,045 WENOO Lamp Housing of VAMAX Enlarger with supporting arm, cord and plug 75-watt 110-volt opal lamp and masking negative carrier for LEICA size, without lens

73,060 FYLTO Orange Filter for VALOY, VAMAX, VOGOS and VOKOM Enlargers, to enable negative to be focused directly on sensitive paper

[ 59 ]



FOCOMAT I
with Accessories

Cat. No. and Code Word

Price

73,100 VIWOO FOCOMAT Enlarger, Model I, with automatic focusing control which focuses the lens fully automatically at any magnification from 2 to 10 diameters for enlarging single frame, Leica double frame and other miniature negatives up to 1 % x 1 % in. (4 x 4cm) in size, with: Baseboard 16 x 21 in. (40 x 51.5cm), upright pillar 32 in. (80cm) high of 11/4 in. (3.2cm) diameter, with a novel, quickaction clamp for enlarging easels, well ventilated lamp housing with adjustable lamp base 75-watt 110-volt opal lamp, giving fully diffused illumination, novel film guide completely protecting the film, with combination condenser pressure plate for holding negatives in a flat plane, masking negative carrier plate for Leica films, threaded focusing mount for receiving lens (50mm Leica lenses except Xenon may be used), with adjustable focusing clamps for conveniently setting the focusing mount in the right position with the various masking negative carrier plates, without lens or easel (paper holder) .....

73,105 VIWOO-VAROB Focomat Enlarger, same as No. 73,100, but with 50mm f:3.5 enlarging lens in Special screw-in mount ......

73,110 VUTOO **FOCOMAT Enlarger**, similar to No. 73,100, however, equipped with larger Baseboard 22 x 25.5 in. (55 x 65cm) with upright pillar 4 ft. (120cm) high and 2 in. (5cm) in diameter, **without** lens or easel (paper holder).....

73,115 VUTOO-VAROB FOCOMAT Enlarger, same as No. 73,110, but with 50mm. f:3.5 enlarging lens ......

73,120 VAROB Special 50mm VAROB Enlarging Lens with iris diaphragm engraved to indicate relative exposure times. Each stop is indicated by a slight click enabling the diaphragm to be correctly set in the dark. For use on all LEICA Enlargers. This lens cannot be used on the Leica Camera.....

73,130 FYSTY Orange Filter, for FOCOMAT Enlargers No. 73,100 and 73,110.....

# INTERCHANGEABLE ACCESSORIES FOR VALOY, VAMAX, VOGOS, VOKOM AND FOCOMAT MODEL I ENLARGERS







No. 73,060

No. 73,150

No. 73,172

Price

Cat. No. and Code Word	
73,150 VALAU	Slip-on Ring, for operating the iris diaphragm of LEICA ELMAR 50mm lens
73,152 VOOLQ	Slip-on Ring, same as No. 73,150, but for 50mm LEICA HEKTOR lens
73,160 VBOOP	Masking Negative Carrier Plate, without glass, for $1 \times 1\frac{1}{2}$ in. (24 x 36mm) negatives, with ruby glass for observation of the negative numbers (as replacement)
73,162 VDOON	Masking Negative Carrier Plate, without glass, for $\frac{3}{4}$ x 1 in. (18 x 24mm) negatives, with ruby glass for observation of the negative numbers
73,165 VABAN	Masking Negative Carrier, without glass, for $1\frac{1}{8}$ x $1\frac{2}{9}$ in. (28 x 40mm) negatives, with ruby glass for observation of the negative numbers
73,168 VAZEL	Metal Guiding Plate, with double glass negative holder, for single LEICA negatives
73,170 VAVIR	Masking Negative Carrier, for $1^3_{16}$ x $1^9_{16}$ in. (3 x 4cm) negatives, with glass
73,172 VAKES	Masking Negative Carrier Plate, for $1_{16}^9$ x $1_{16}^9$ in. (4 x 4cm) negatives, with glass
73,175 VAZUP	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
73,178 VAZIS	Masking Negative Carrier Plate, for single $1^9_{16}$ x $1^9_{16}$ in. (4 x 4cm) negatives, without glass
73,180 VOONR	Optically Flat Glass Negative Carrier, for enlarging single negatives $1\frac{\alpha}{16} \times 1\frac{\alpha}{16}$ in. (3 x 4cm) and $1\frac{\alpha}{16} \times 1\frac{\alpha}{16}$ in. (4 x 4cm) size. To be used with Metal Masking Negative Carrier Plates Nos. 73,175 and 73,178

NOTE: FOR ENLARGING EASELS, SEE PAGE 66.





VAROB Lens

Price

No. 73,215

Cat. No. and

### ACCESSORIES FOR THE VOGOS ENLARGER WHEN USED FOR READING OR PROJECTION PURPOSES

Code Word	
73,200 VOPUL	Reading Desk, consisting of wooden box containing mirror, ground glass screen, and frame mask, for use with VOGOS enlarger, permitting enlarger to be used as a reading machine
73,202 VOMIR	Reflecting Mirror, mounted upon a universal joint for adjusting under lens of VOGOS enlarger to enable the enlarger to be used for projection purposes
73,205 VOLAM	100-Watt, 110-Volt Clear Glass Projection Lamp, for use with the VOGOS enlarger when it is used for reading or projection purposes
73,208 VOBIT	Special Diffusing Condenser, for VALOY, VAMAX, FOCOMAT I, VOGOS or VOKOM enlargers, when using the Projection lamp. Consists of clear glass condenser and removable ground glass disc permitting alteration of contrast in enlarging
73,210 VORYM	Special Ventilating Ring, for use in VOGOS enlarger when using the 100-watt Clear Glass Projection Lamp. (May also be used in all other enlargers when using the Photoflood lamp.)
73,215 VOKOM	Combination Enlarger, Reading Stand, and Projector, consisting of VOGOS enlarger with rotating negative carrier, masking negative carrier plate for LEICA negatives, 32 in. (80cm) upright pillar of 1½ in. (3.2cm) diameter, baseboard 15½ x 17½ in. (39 x 44cm) 75-watt, 110-volt Nitra Opal enlarging lamp, 100-watt, 110-volt clear glass projection bulb, special ventilating ring, special diffusing condenser, special reflecting mirror with universal joint for adjusting under lens of the enlarger for projection purposes, and reading desk containing mirror and inclined ground glass screen, without lens or enlarging easel



FOCOMAT IIa with Easel

Cat. No. and Code Word

Price

73,300 VOOWI

FOCOMAT Enlarger, Model IIa, fully automatically focusing, with double automatic focusing control for two focal lengths, for enlarging single frame, Leica double frame and other negatives up to 2½ x 3½ in. (6.5 x 9cm) in size; with 95mm f:4 enlarging lens which can be interchanged with a special VAROB 50mm enlarging lens (not included in this outfit) or any of the 50mm Leica lenses (except XENON). The 95mm lens is to be used for larger negatives while the 50mm lenses are suggested when enlarging Leica negatives because of the more favorable working distance. The automatic focusing control fully automatically focuses the 95mm enlarging lens at any magnification from 11/3 up to 43/4X or the 50mm lens at any magnification from 2 up to 13X. Through adjustment by hand a magnification up to 9X is obtainable for the 95mm lens and up to 18X for the 50mm lens; well-ventilated lamp housing with 75-watt 110-volt opal lamp, double condenser giving fully diffused illumination, novel film guide greatly simplifying the operation and very completely protecting the film from being scratched or otherwise damaged, assuring at the same time a specially rapid change from one negative to another when working with uncut film strips without the necessity of removing the film from the apparatus. The film ends projecting from either side lie in film troughs and are thus safe against accidental damage. Baseboard 21 x 26 in. (52 x 64.5cm) upright 33 in. (82cm) high and 2 in. (5cm) in diameter, with masking negative carrier plates for Leica size 1 x 11/2 in. and 2½ x 3½ in. (6.5 x 9cm), without easel ......

73,310 VOOWI-VAROB FOCOMAT Enlarger, Model IIa, same as No. 73,300, but with 95mm and 50mm Enlarging Lenses ......

73,320 FYOON Orange Filter for FOCOMAT Model Ha, Enlarger .....



VASEX I with Accessories and No. 73,440

Cat. No. and Code Word

Price

73,350 VYBOO

VASEX Model I Enlarger, for enlarging single frame, Leica double frame and other negatives up to 21/2 x 31/2 in. (6.5 x 9cm) in size, with helical screw mount with thread for interchanging lenses, 95mm f:4 enlarging lens which can be interchanged with a special VAROB 50mm enlarging lens (not included with this outfit) or any of the 50mm Leica lenses (except XENON). The 95mm lens is to be used for larger negatives while the 50mm lenses are suggested when enlarging Leica negatives because of the more favorable working distance. Possible magnification: Up to 6.8X with 95mm lens and up to 13X with a 50mm lens. Well-ventilated lamp housing counterbalanced by means of a weight facilitating easy and smooth adjustment in height, with 75-watt 110-volt opal lamp, double condenser giving fully diffused illumination, novel film guide greatly simplifying the operation and very completely protecting the film from being scratched or otherwise damaged, assuring at the same time a specially rapid change from one negative to another when working with uncut film strips without the necessity of removing the film from the apparatus. Baseboard 16 x 20 in. (39 x 50cm), upright 34 in. (86cm) high and 1½ in. (4cm) in diameter, with masking negative carrier plates for Leica size (1 x  $1\frac{1}{2}$  in.) and  $2\frac{1}{2}$  x  $3\frac{1}{2}$  in. (6.5 x 9cm) without easel (paper holder)

73,360 VYOOS

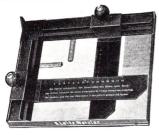
73,380 FYLOR Orange Filter, in swing-in mount for use on the VASEX Models I and II Enlargers .....

Price

# INTERCHANGEABLE ACCESSORIES FOR FOCOMAT MODEL IIa AND VASEX MODELS I AND II ENLARGERS

Cat. No. and Code Word	
73,400 VAROB	Special 50mm VAROB Enlarging Lens with iris diaphragm engraved to indicate relative exposure times. Each stop is indicated by a slight click enabling the diaphragm to be correctly set in the dark. For use on all LEICA Enlargers. This lens cannot be used on the Leica Camera
73,402 VOORT	Enlarging Lens ELMAR 95mm f:4 (This is the lens included with FOCOMAT Model IIa and VASEX Models I and II Enlargers) $\dots$
73,405 CBOOD	Metal Masking Plate, for enlarging single frame negative size $\frac{3}{4}$ x 1 in. (18 x 24mm)
73,408 CDEOO	Metal Masking Plate, for enlarging LEICA negative size 1 x $1\frac{1}{2}$ in. (24 x $36\text{mm}$ )
73,410 CDOOB	Metal Masking Plate, for enlarging negative size $1^{3}_{16}$ x $1^{9}_{16}$ in. (3 x 4cm)
73,412 CFIOO	Metal Masking Plate, for enlarging negative size $1\frac{9}{16}$ x $1\frac{9}{16}$ in. $(4 \text{ x 4cm})$
73,415 CFOO <b>Z</b>	Metal Masking Plate, for enlarging negative size $1\%$ x $2\frac{1}{2}$ in. (4 x $6.5\mathrm{cm}$ )
73,418 CGLOO	Metal Masking Plate, for enlarging negative size $1\%$ x $2\%$ in. $(4.5 \text{ x 6cm})$
73,420 CGOOY	Metal Masking Plate, for enlarging negative size $2\frac{1}{4}$ x $2\frac{1}{4}$ in. (6 x 6cm)
73,421 CHOOX	Metal Masking Plate, for enlarging negative size $2\frac{1}{4}$ x $3\frac{1}{2}$ in. (6 x 9 cm)
73,422 CHNOO	Metal Masking Plate, for enlarging negative size $2\frac{1}{2}$ x $3\frac{1}{2}$ in. (6.5 x 9cm)
73,425 GLOOC	Hinged Double Glass Plate, 4 x $8\%$ in. (10 x $22\mathrm{cm}$ ), accommodating single film and plate negatives up to $2\frac{1}{2}$ x $3\frac{1}{2}$ in. (6.5 x $9\mathrm{cm}$ )
73,428 GLASI	Hinged Double Glass Plate, $1\%$ x $6\%$ in. (3.5 x 17cm) for short Leica film strips or single Leica negatives
73,440 VADIV	Additional Illuminating Arrangement for Fully Diffused Light, consisting of: Upper lamp hemisphere with 4 screw sockets with switch, for standard 60-watt filament bulbs, without bulbs (which are obtainable separately), also special attachment with ground and opal glass discs and light guard for retaining the stray light coming from the sides of the film stage

#### **ENLARGER EASELS**





Nos. 73,635/73,638, 73,642 and 73,645

No. 73,600

NOTE: THE FOCOMAT AND VASEX ENLARGERS ARE PROVIDED WITH BASEBOARDS WHICH HAVE THE NEW 'QUICK-ACTION' CLAMP WHICH ACCOMMODATES THE ENLARGING EASELS NOS. 73,605, 73,615, 73,625, 73,632 AND 73,665. BY MEANS OF A SINGLE MOVEMENT OF A METAL LEVER, THE EASEL IS EITHER FASTENED SECURELY OR LOOSENED FOR MOVING AND ADJUSTING ON THE BASEBOARD. THIS CONVENIENCE WILL BE ESPECIALLY WELCOMED BY COMMERCIAL FINISHERS AND THOSE WHO HAVE CONSIDERABLE ENLARGING TO DO WHERE VARIOUS SIZES AND AREAS OF PRINTS ARE WANTED. THIS NEW CLAMPING DEVICE DOES NOT PREVENT THE USE OF ANY OTHER TYPE OF ENLARGING EASEL.

Cat. No. and Code Word	
73,600 FELIS	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 8 x 10 in. maximum picture area 6½ x 8½ in., for VALOY, VOGOS, VOKOM and VAMAX Enlargers
73,605 FYROO	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 8 x 10 in., with grooves at lower surface for attaching to the quick-action baseboard clamp of FOCOMAT and VASEX Enlargers, maximum picture area 6½ x 8½ in.
73,610 FELUK	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 11 x 14 in., maximum picture area 9 x 11 in. for VALOY, VOGOS, VOKOM and VAMAX Enlargers
73,615 FPYOO	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 11 x 14 in., maximum picture area 9 x 11 in. with grooves at lower surface for attaching to the quick-action baseboard clamp of FOCOMAT and VASEX Enlargers
73,620 FSOOT	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 16 x 20 in. maximum picture area 13 x 17 in. for VAMAX Enlargers
73,625 FUOOR	Enlarging Easel, with adjustable metal masking bands, for paper sizes up to 16 x 20 in. maximum pictures area 13 x 17 in. with grooves at lower surface for attaching to the quick-action baseboard clamp of large models FOCOMAT and VASEX Enlargers
73,632 COOPI	Enlarging Easel, fixed paper size, with sliding groove for paper, opening size $2\frac{1}{4}$ x $3\frac{1}{4}$ inches. This easel is designed for use with enlarging paper in roll form, it being fed in at one end and removed from the other. It has a groove on its base for use with







No. 73,775

with	Enlarge
Head.	attachea

73,665

VEBYX

Price

Cat. No. and Code Word	
73,635 VETWO	Enlarging Easel, fixed size 2½ x 3½ in. with hinged metal frame for holding paper and producing a white margin, for VALOY, VOGOS, VOKOM and VAMAX Enlargers
73,638 VEFOR	Enlarging Easel, similar to No. 73,635, but for fixed size 31/4 x 41/4 in.
73,640 VELAN	Enlarging Easel, similar to No. 73,635, but for fixed size 3¼ x 5½ in
73,642 VESIR	Enlarging Easel, similar to No. 73,635, but for fixed size 5 x 7 in.
73,645 VETIN	Enlarging Easel, similar to No. 73,635, but for fixed size 8 x 10 in.
73,648 VEBOL	Enlarging Easel, similar to No. 73,635, but for fixed size 11 x 14 in.
73,650 VEGUR	Enlarging Easel, similar to No. 73,635, but for fixed size 16 x 20 in., with two clamping screws for attaching smaller easel on top of it
73,652 FETRA	Enlarging Easel, for sizes up to 8 x 10 in. with glass plate for holding paper flat, without masking bands
	NOTE: THE EASELS NOS. 73,635 TO 73,652 HAVE BEEN DESIGNED FOR USE ON THE BASEBOARD OF THE VALOY, VOGOS, VOKOM AND VAMAX ENLARGERS AND DO NOT HAVE THE GROOVES FOR USE WITH THE QUICK-ACTION CLAMP OF THE VASEX AND FOCOMAT ENLARGERS. FOR THE LATTER THE TWO CLAMPS. (Cat. No. 73,660 at \$1.80) SHOULD BE ORDERED.
<b>73,660</b> KLMOO	Set of Two Clamps, for baseboard of VALOY, VOGOS, VOKOM and VAMAX Enlargers, which serve for attaching easel (for replacement)

Enlarging Easel, fixed size 11 x 14 in. with hinged metal frame for

holding paper and producing a white margin with grooves for quick-action baseboard clamp for FOCOMAT and VASEX enlargers

#### DISTORTION ELIMINATING DEVICES





No. 73,680

No. 73,685

If the camera - for the purpose of getting on to the negative the whole of a tall building - has been tilted, the vertical lines converge. This appearance gives the impression that the object is falling forward or backwards and it is more pronounced, the more inclined the camera is held and the larger the angle of field of the lens. It is therefore particularly pronounced with the wide-angle photographs and most marked when using the Leitz Hektor 28mm lens. In order to erect these falling lines, the enlarging easel has to be tilted and the lens stopped down until the image is sharp over its whole area. If the easel has to be tilted very much, the depth of focus may not be sufficient no matter how much the lens is stopped down and the upper or lower edge of the enlargement will always remain unsharp. For this purpose a new correcting device has been designed by which the negative itself can be inclined. It consists of a frame which is used in place of the film holder, with the condenser lens in the uppermost position. It will fit the enlargers Valoy, Vogos, Vamax and Focomat I. The negative, held between hinged glass plates, is placed into this frame and then tilted in an opposite manner to the inclination of the enlarging easel until the whole image at full aperture appears evenly sharp. The spring which holds the hinged glass plates in the frame can be displaced vertically and can also be swung.

To tilt the enlarging easel the metal bracket with step arrangement No. 73,682 can be used. For more acute angles of inclination the use of Auxiliary Baseboards with ball jointed head, Nos. 73,685 and 73,688 is considered more convenient. These are fitted in place of the easel on the baseboard of the enlarger. The easel is in turn attached to the ball jointed tripod head.

Cat. No. and Code Word

73,680 ZRIOO-VOOND Distortion Eliminating Device, for VALOY, VOGOS, VAMAX or FOCOMAT Model I Enlargers, enabling the negative to be tilted in the enlarger, including hinged double glass plate for holding the negative in this device......

73,682 VEKIP Metal Bracket, with step arrangement, for holding enlarging easel in tilted position to overcome distortion in negative ..........

73,685 GOOBR Auxiliary Baseboard, with ball-jointed head, for tilting enlarging easels to eliminate distortion, suitable for use with VALOY, VOGOS, VAMAX and VOKOM Enlargers ......

73,688 GOOFT Auxiliary Baseboard, same as No. 73,685, however, for use with FOCOMAT and VASEX Enlargers .....

**73,690** YOOBN Threaded Flange, for attaching to enlarging easels by means of which the easels can be mounted on the ball-jointed head of baseboard No. 73,685 ......

Price

### SPARE LAMPS AND ACCESSORIES FOR USING PHOTOFLOOD LAMPS

SPARE LAI	VII O AND ACCESSORIES FOR COMPANY
Cat. No. and Code Word	
73,750 FILIF	Enlarging Lamp (NITRA OPAL) 60-watt, 110-volt, for use in the former FILOY Enlarger
73,755 FLABU	Enlarging Lamp (G. E. OPAL) 75-watt, 110-volt, for all LEICA Enlargers
73,760 WONDR	Wonderlite 5 Hour Opal Flood Lamp
73,765 RHEOS	Photoflood Rheostat Control, for controlling illumination in enlarger when using Photoflood lamp; dial calibrated from "0" to "100" giving percentage of brilliancy. Operates on either A.C. or D.C. 110-volt current
	Ordinary non-opal photoflood lamps and clear glass projection bulbs can only be used in connection with a special diffusing condenser No. 73,770 in the VALOY, VOGOS, VOKOM, VAMAX and FOCOMAT I Enlargers. This condenser is placed inside of the Illuminating Head on top of the regular illuminating condenser. With Enlargers FOCOMAT IIa, VASEX I and VASEX II the ground glass disc No. 73,772 is employed. The Ventilating Ring No. 73,775 is also needed between the upper and lower hemisphere of the lamp housing.
73,770 VOBIT	Special Diffusing Condenser, for VALOY, VAMAX, VOGOS, VO-KOM and FOCOMAT I enlargers when using non-opal Photoflood or projection lamps; consisting of clear glass condenser and removable ground glass disc permitting control of contrast in enlarging
73,772 MTOOE	Ground Glass Disc, for use with enlargers FOCOMAT Model IIa and VASEX Models I and II when employing Photoflood bulbs
73,775 VORYM	Special Ventilating Ring, for use with all enlargers when employing Photoflood or projection bulbs
SPECIAL A	ACCESSORIES FOR ENLARGERS
73,800 VAROB	Special 50mm VAROB Enlarging Lens with iris diaphragm engraved to indicate relative exposure times. Each stop is indicated by a slight click enabling the diaphragm to be correctly set in the dark. For use on all LEICA Enlargers. This lens cannot be used on the Leica camera
73,810 VOOMD	Hinged Double Glass Negative Carrier, 1¾ x 4¾ in. (3.5 x 12cm), for holding LEICA negatives in VALOY, VOGOS, VAMAX, VOKOM and FOCOMAT Model I Enlargers and the former FILOY Enlarger
73,820 GLASI	Hinged Double Glass Negative Carrier, similar to No. 73,810, but 1% x 6% in. (3.5 x 17cm) for use in FOCOMAT IIa, VASEX I and VASEX II enlargers
73,830 GLOOC	Hinged Double Glass Negative Carrier, $4 \times 8 \cdot 4/5$ in. $(10 \times 22 \text{ cm})$ for accommodating negatives up to $1\frac{3}{4} \times 2\frac{1}{4}$ in. $(4\frac{1}{2} \times 6\text{cm}) \dots$
73,840 OLDER	Enlarger Film Holder, for making copies with the enlarger; accommodates a piece of 35mm film for making a single exposure with the VALOY, VAMAX, VOGOS, VOKOM or FOCOMAT Model I Enlarger





No. 73,840

Price

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	No. 73,860
Cat. No. and Code Word	1
73,850 CARIR	Color Slide Carrier, for accommodating a bound (2 x 2 in.) color transparency in the VALOY, VOGOS, VAMAX, VOKOM or FOCO-MAT Model I Enlargers for making color separation negatives, or single negatives for black and white prints from color transparencies
73,860 PBAAG	<b>Enlarging Paper Box,</b> for storing enlarging paper; has a light-tight spring lid which closes automatically, preventing accidental spoilage of enlarging paper. For paper up to 8 x 10 in
73,863 PBEED	Enlarging Paper Box, for storing enlarging paper, similar to No. 73,860 but for paper up to 11 x 14 in
73,870 NAHNE	Focusing Magnifier of $2\frac{1}{8}$ in. (54mm) diameter, for sharp focusing, with handle
73,880 VULPE	Focusing Magnifier of 21% in. (54mm) diameter, with socket joint and adjustable arm, for attachment to baseboard of the VALOY, VOGOS, VOKOM and VASEX I Enlargers
73,890 VULVI	Focusing Magnifier similar to No. 73,880 but with a longer arm, for use with VAMAX and VASEX II Enlargers
73,910 VERUP	Metal Upright Pillar for VALOY Enlarger, 32 in. (80cm) long, 1¼ in. (32mm) diameter
73,915 CENTO	Metal Upright Pillar for VALOY Enlarger, 40 in. (100cm) long, 1¼ in. (32mm) diameter
<b>73,920</b> VGSOO	Adapting Arm, permitting accessories for the $1\frac{1}{4}$ in. (32mm) diameter enlarger upright pillars to be used with the 2 in. (50mm) diameter upright pillars, including upright pillar 14 in. (35.5cm) high $1\frac{1}{4}$ in. (32mm) diameters
73,925 VERBE	Baseboard for VALOY Enlarger
73,930 OFSET	Adjustable Offset Arm, for VALOY, VOGOS, VOKOM, FOCOMAT I and the former FILOY Enlargers
73,935 VECOF	<b>Special Lamp Housing</b> for the VAMAX Enlarger, for enlarging negatives up to $2\frac{1}{2} \times 3\frac{1}{2}$ in. (6.5 x 9cm) in size, similar in design to the lamp housing of VASEX Enlarger but with special supporting arm to fit the VAMAX, without counter weight, including 95mm f:4 enlarging lens

#### PROJECTOR MODEL VIII-c (GNOME II)



No. 75,010

- Size: 61/4 in. long (without lens), 61/4 in. high, 3 in. wide
- Weight: 3½ lbs. (without lens)
- 100-watt, 110-volt black top projection lamp
- · Highly efficient glass reflector
- Heat Absorption Filter
- · Open top, non-light-leaking metal lamp housing, providing efficient ventilation
- Base and Front made of bakelite
- · Rotating front
- Interchangeable Three-Lens Condenser System, varying accordto projection lens used

Cat. No. and	
Code Word	
75,000	Projector Model VIII-c (GNOME II), with removable slide changer
SMUUY	for 2 x 2 in. (50 x 50mm) LEICA glass slides, without lens
	Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.

Projector Model VIII-c (GNOME II), with removable slide changer 75,010 for 2x 2 in. (50 x 50mm) LEICA glass slides with projection lens SIUUB-HEKTOR 85mm f:2.5 for projection distances of 10 to 20 ft. .... GLAS

Projector Model VIII-c (GNOME II), with removable slide changer 75,018 for 2 x 2 in. (50 x 50mm) LEICA glass slides with projection lens SOUUW-HEKTOR 100mm f:2.5 for projection distances of 13 to 24 ft. .. GLAS

Projector Model VIII-c (GNOME II), with removable film attach-75,022 ment for LEICA positive film strips, without lens ..... SPUUV Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.

Projector Model VIII-c (GNOME II), with removable film attach-75.025 ment for LEICA positive film strips, with projection lens HEKTOR SILIUB 85mm f:2.5 for projection distances of 10 to 20 ft. ....

Projector Model VIII-c (GNOME II), with removable film attach-75.030 ment for LEICA positive film strips, with projection lens HEKTOR SOUUW 100mm f:2.5 for projection distances of 13 to 24 ft. .....

## PROJECTOR VIII-c "SIMPLIFIED MODEL"

Projector VIII-c "SIMPLIFIED MODEL," with two-lens condenser 75.038 system, without reflector and without heat absorption filter, with SNEEX 100-watt, 110-volt projection lamp, with slide changer for 2 x 2 in. (50 x 50mm) LEICA glass slides, and with non-interchangeable projection lens DIMENAR 85mm f:4.8 .....

7717

## ACCESSORIES FOR PROJECTOR VIII-c (Gnome II)

Cat. No. and Code Word		Price
75,040 BEUUY- IZUUS	Projection Lens EPIS f:3.6, 80mm focus, with focusing mount	
75,041 TIYUU	Projection Lens HEKTOR f:2.5, 85mm focus, with focusing mount	
75,042 TKUUC	Projection Lens HEKTOR f:2.5, 100mm focus, with focusing mount	
<b>75,044</b> SKBUU	Interchangeable Three-Lens Condenser System No. I for all lenses with a focal length from 73 to 100mm	
	The Lens next to the Objective of Condenser System No. 1 is interchangeable.	
<b>75,045</b> SGVUU	Condenser Lens which is next to the objective in condenser system No. I	
<b>75,046</b> SNHUU	Interchangeable Three-Lens Condenser System No. II for LEICA lenses SUMMAR and HEKTOR 50mm	
	This Condenser System differs from Condenser System No. 1 only by the Lens next to the Objective. This Lens is Interchangeable.	
75,047 SMFUU	Condenser Lens which is next to the objective in condenser system No. II	
<b>75,048</b> SLDUU	Interchangeable Three-Lens Condenser System for use with LEICA lens ELMAR 50mm  The Lenses in this Condenser System are not Interchangeable.	
75,050 SCNUU	Slide Changer for 2 x 2 in. (50 x 50mm) LEICA glass slides	
75,052 SBUUI	Film Attachment for LEICA positive film strips	
75,055 SUUAW	Mask for single frame size ¾ x 1 in. (18 x 24mm) for film attachment	
<b>75,058</b> SDUUG	Simplified Sliding Gate for 2 x 2 in. (50 x 50mm) LEICA glass slides	
75,060 SPMUU	Front Elevator Attachment	
<b>75,06</b> 5 SFUUE	Carrying Case	
75,070 SGUUD	Spare Lamp, 100-watt, 110-volt, with blackened top	
75,075 UMERN	Easel Desk Projection Screen, 16 x 16 in. with washable screen surface and cover	
75,076 UMLED	Soft Leather Case, for Projection Screen No. 75,075	
	Viewing Apparatus for VIII-c Projector, consisting of box-shaped base upon which the projector is placed with diagonally arranged projection surface 10 x 10 in. in size, including surface-silvered mirror, for use as a reading desk or as a viewer for negatives	



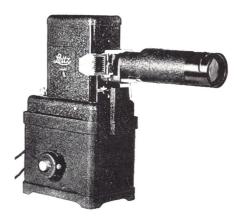
Projector VIII-s—250 with Slide Changer and LEICA Lens



Projector VIII-s—400 with Film Attachment and 85mm Lens



Projector VIII-s—750 with Slide Changer and 200mm Lens



Projector VIII-s—1000 with Slide Changer and 250mm Lens

#### PROJECTORS VIII-s-250

Cat. No. and

TUUEM

- Size: 13 in. long (without lens), 10% in. high and 61/4 in. wide with 250-watt, 110-volt projection lamp
- · Well-ventilated, easily detachable lamp-housing
- Removable inner lamp-housing with reflector
- Two internal removable hard glass condenser lenses Nos. 1 and 2
  - · Heat absorption filter
  - Window shutter permitting reading or making notes in darkened auditorium during projection

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  - Built-in tilting device enabling the projected image to be moved up or down
  - Revolving front permitting the projection of vertical or horizontal film strips
  - External device for correctly centering the lamp
  - Carrier for the glass slide and film gates horizontally adjustable insuring maximum illumination
  - External interchangeable condenser, varying according to the type of lens used in the projector.

Code Word	
75,200 TUUDY	Projector Model VIII-s-250, without slide changer, without film attachment and without lens
<b>75,205</b> TUUOD	Removable Slide Changer, for 2 x 2 in. (50 x 50mm) LEICA glass slides
75,210 TUUIO	Projector Model VIII-s—250, with removable slide changer, without lens
	Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.
75,215 TUURS	Projector Model VIII-s—250, with removable slide changer and with projection lens HEKTOR f:2.5, 85mm focus, for screen distances 10 to 40 ft.
75,220 TUUPR	Projector Model VIII-s—250, with removable slide changer and with projection lens EPIS f:3.6, 80mm focus for screen distances 10 to 33 ft.
75,225 TEQUU- GLAS	<b>Projector Model VIII-s—250, with</b> removable slide changer and with projection lens HEKTOR f:2.5, 100mm focus for screen distances 13 to 46 ft
75,230 TUUQE	Projector Model VIII-s—250, with removable slide changer and with projection lens DIMAX f:4.5, 120mm focus for screen distances 16 to 50 ft.
75,235 TUULP- GLAS	Projector Model VIII-s—250, with removable slide changer and with projection lens DIMAR f:3.5, 150mm focus for screen distances 20 to 66 ft.
75,240 TUUMC- GLAS	<b>Projector Model VIII-s—250, with</b> removable slide changer, with projection lens DIMAR f:4, 200mm focus and supporting bracket for the projector for screen distances 30 to 70 ft
75,245 TUUVE- GLAS	<b>Projector Model VIII-s—250, with</b> removable slide changer, with projection lens DIMAR f:4, 250mm focus and supporting bracket for the projector for screen distances 33 to 75 ft
75,250	Removable Film Attachment for LEICA Positive Film Strips

#### PROJECTORS MODEL VIII-s-400

- Size: 13 in. long (without lens), 10% in. high and 61/4 in. wide
- 400-watt, 110-volt projection lamp
- Well-ventilated, easily detachable, double walled lamp-housing
- · Removable inner lamp-housing with reflector
- Two internal removable hard glass condenser lenses Nos. 1 and 2
- · Heat absorption filter
- Window shutter permitting reading or making notes in darkened auditorium during projection
- Built-in tilting device enabling the projected image to be moved up or down
- Revolving front permitting the projection of vertical or horizontal film strips
- External device for correctly centering the lamp
- Carrier for the glass slide and film gates horizontally adjustable insuring maximum illumination
- External interchangeable condenser, varying according to the type of lens used in the projector

Cat. No. and Code Word	
75,300 VOGGM	Projector Model VIII-s—400, without slide changer and without film attachment and without lens
75,305 TUUOD	Removable Slide Changer, for 2 x 2 in. (50 x 50mm) LEICA glass slides
75,310	Projector Model VIII-s-400, with slide changer, without lens
VODDA	Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.
75,315 VOEEB	<b>Projector Model VIII-s—400, with</b> slide changer and with projection lens HEKTOR f:2.5, 85mm focus, for screen distances 10 to 40 ft.
75,320 VOFFC	<b>Projector Model VIII-s—400, with</b> slide changer and with projection lens EPIS f:3.6, 80mm focus, for screen distances 10 to 36 ft.
75,325 VOHHD	<b>Projector Model VIII-s—400, with</b> slide changer and with projection lens HEKTOR f:2.5, 100mm focus, for screen distances 13 to 46 ft.
<b>75,330</b> VOJJE	<b>Projector Model VIII-s—400, with</b> slide changer and with projection lens DIMAX f:4.5, 120mm focus, for screen distances 16 to 54 ft.
75,335 VOKKF	Projector Model VIII-s—400, with slide changer and with projection lens DIMAR f:3.5, 150mm focus for screen distances 20 to 70 ft
75,340 VOLLG	Projector Model VIII-s—400, with slide changer and with projection lens DIMAR f:4, 200mm focus, and supporting bracket for the projector, for screen distances 30 to 73 ft
75,345 VOMMH	<b>Projector Model VIII-s—400, with</b> slide changer and <b>with</b> projection lens DIMAR f:4, 250mm focus, and supporting bracket for the projector, for screen distances 33 to 78 ft
75,350 VONNI	<b>Projector Model VIII-s—400, with</b> slide changer and <b>with</b> projection lens EPNOR f:4.3, 300mm focus, and supporting bracket for the projector, for screen distances 50 to 110 ft
75,365 TUUEM	Removable Film Attachment for LEICA Positive Film Strips

#### PROJECTORS MODEL VIII-s-750

TUUEM

- Size: 14 in. long (without lens) 18% in. high (including ventilating unit), 814 in. wide
- 750-watt, 110-volt projection lamp
- Base with ventilating unit with blower of highest efficiency cooling both the lamp-housing and the slide. Universal motor for A.C. and D.C., 110-volts
- Well-ventilated, easily detachable lamp-housing
- Removable inner lamp-housing with reflector
  - Two internal removable hard glass condenser lenses Nos. 1 and 2
  - Two heat absorption filters
- Window shutter permitting reading or making notes in darkened auditorium during projection
- Built-in tilting device enabling the projected image to be moved up or down
- Revolving front permitting the projection of vertical or horizontal film strips
- External device for correctly centering the lamp
- Carrier for the glass slide and film gates horizontally adjustable insuring maximum illumination
- External interchangeable condenser, varying according to the type of lens used in the projector

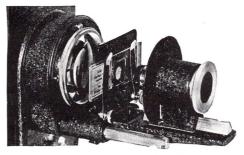
Cat. No. and Code Word	
75,400 MFSSU	Projector Model VIII-s-750, without slide changer, without film attachment and without lens
<b>75,405</b> TUUOD	Removable Slide Changer for 2 x 2 in. (50 x 50mm) LEICA glass slides
75,410	Projector Model VIII-s-750, with slide changer, without lens
MFUUS- UMEXU	Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.
75,415 MFVVT	<b>Projector Model VIII-s—750, with</b> slide changer and <b>with</b> projection lens HEKTOR f:2.5, 85mm focus, for screen distances 10 to 50 ft
<b>75,420</b> MEUUR	Projector Model VIII-s-750, with slide changer and with projection lens HEKTOR f:2.5, 100mm focus, for screen distances 13 to 50 ft.
75,425 MFXXU	<b>Projector Model VIII-s—750, with</b> slide changer and <b>with</b> projection lens DIMAX f:4.5, 120mm focus, for screen distances 16 to 60 ft
75,430 MNUUL	<b>Projector Model VIII-s—750, with</b> slide changer and <b>with</b> projection lens DIMAR f:3.5, 150mm focus, for screen distances 20 to 72 ft
75,435 MLUUN	<b>Projector Model VIII-s—750, with</b> slide changer and with projection lens DIMAR f:4, 200mm focus, and supporting bracket for the projector, for screen distances 30 to 78 ft
75,440 MONUU	<b>Projector Model VIII-s—750, with</b> slide changer and with projection lens DIMAR f:4, 250mm focus, and supporting bracket for the projector, for screen distances 33 to 82 ft
75,445 EPNUU	<b>Projector Model VIII-s—750, with</b> slide changer and with projection lens EPNOR f:4.3, 300mm focus, and supporting bracket for the projector, for screen distances 50 to 120 ft
75,460	Removable Film Attachment, for LEICA Positive Film Strips

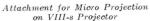
#### PROJECTORS MODEL VIII-s-1000

TUUEM

- Size: 14 in. long (without lens) 18% in. high (including ventilating unit) 8¼ in. wide
- 1000-watt, 110-volt projection lamp
- Base with ventilating unit with blower of highest efficiency, cooling both the lamp-housing and the slide. Universal motor for A.C. and D.C., 110-volts
- · Well-ventilated, easily detachable lamp-housing
- Removable inner lamp-housing with reflector
- Two internal, removable hard glass condenser lenses Nos. 1 and 2
- Two heat absorption filters
- Window shutter permitting reading or making notes in darkened auditorium during projection
- Built-in tilting device enabling the projected image to be moved up or down
- Revolving front permitting the projection of vertical or horizontal film strips
- External device for correctly centering the lamp
- Carrier for the glass slide and film gates horizontally adjustable insuring maximum illumination
- External interchangeable condenser, varying according to the type of lens used in the projector

Cat. No. and Code Word	
75,600	Projector Model VIII-s-1000, without slide changer and without
NAABC	film attachment and without lens
75,605	Removable Slide Changer, for 2 x 2 in. (50 x 50mm) LEICA glass
TUUOD	slides
75,610	Projector Model VIII-s-1000, with slide changer, without lens
NBBCE	Specify Type and Focal Length of Lens to be used so that proper Condenser may be supplied.
75,615	Projector Model VIII-s-1000, with slide changer and with projec-
NCCDF	tion lens HEKTOR f:2.5, 85mm focus, for screen distances 10 to 52 ft.
75,620	Projector Model VIII-s-1000, with slide changer and with projec-
NDDGH	tion lens HEKTOR f:2.5, 100mm focus, for screen distances 13
	to 52 ft
75,625	Projector Model VIII-s-1000, with slide changer and with projec-
NEEJK	tion lens DIMAX f:4.5, 120mm focus, for screen distances 16
	to 62 ft
75,630	Projector Model VIII-s-1000, with slide changer and with projec-
NFFLM	tion lens DIMAR f:3.5, 150mm focus, for screen distances 20
	to 74 ft
75,635	Projector Model VIII-s-1000, with slide changer and with projec-
NGGNO	tion lens DIMAR f:4, 200mm focus, and supporting bracket for the
	projector, for screen distances 30 to 80 ft
75,640	Projector Model VIII-s-1000, with slide changer and with projec-
NHHPR	tion lens DIMAR f:4, 250mm focus, and supporting bracket for the
** ***	projector, for screen distances 33 to 86 ft.
75,645	Projector Model VIII-s-1000, with slide changer and with projec-
NIIST	tion lens EPNOR f:4.3, 300mm focus, and supporting bracket for the projector, for screen distances 50 to 140 ft
75,660	
75,000	Removable Film Attachment, for LEICA Positive Film Strips







No. 75,800



No. 75,805

Price

## ATTACHMENTS FOR PROJECTORS, MODEL VIII-s

Cat. No. and Code Word	
75,800 TUUOD	Removable Slide Changer for 2 x 2 in. (50 x 50mm) LEICA glass slides
75,805 TUUEM	Removable Film Attachment for LEICA 35mm positive film strips, capacity 14 ft.
75,808 UASKU	Interchangeable Mask, ¾ x 1 in. (18 x 24mm), single frame, for Removable Film Attachment No. 75,805
75,810 TUUGN	<b>Removable Gate</b> for 2 x 2 in. (50 x 50mm) glass slides, with picture area up to $1_{16}^3$ x $1_{16}^9$ in. (30 x 40mm)
75,812 TUUCL	Removable Gate for glass slides $1\%$ x $4\%$ in. (35 x 120mm) picture area 1 x $1\%$ in
75,825 MKUOO	Attachment for the projection of microscope slides at a magnification up to 200X, with object stage, small optical bench and holder _ for the objectives, without objectives
75,827 ACUBE	Micro Objective No. 1
75,829 ACEDU	Micro Objective No. 2
75,830 MIKUU	Attachment for Micro Projection, complete with objectives Nos. 1 and 2
	The External Interchangeable Condenser No. 75,920 (for 50mm objectives) should be used with this attachment.
75,850 VEUUM	Ventilating Unit with blower of highest efficiency, cooling both the lamp housing and the slide, with universal motor A.C. and D.C., 110-volts
	(This Ventilating Unit is included in the equipment of the Projectors VIII-s—750 and VIII-s—1000 as a necessary part; it can likewise be used for the Projectors VIII-s—250 and VIII-s—400 if it is desired to keep the temperature of these projectors as low as possible. However, these projectors do not require an additional cooling unit.)

Price

#### PROJECTION LENSES

75,926

UUPMI

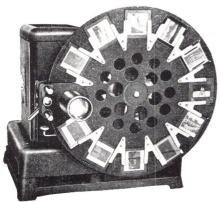
PROJECTIC	DIA LEINSES
Cat. No. and Code Word	1
75,880 UFEDU- IZUUS	Projection Lens HEKTOR f:2.5, 85mm focus, with focusing mount
75,882 BEUUY- IZUUS	Projection Lens EPIS f:3.6, 80mm focus, with focusing mount
75,884 TUUFZ- IZUUS	Projection Lens HEKTOR f:2.5, 100mm focus, with focusing mount
75,886 UPEOB- IZUUS	Projection Lens DIMAX f:4.5, 120mm focus, with focusing mount
75,888 TUUBA	<b>Projection Lens DIMAR f:3.5, 150mm focus,</b> with focusing mount and special carrier with holder for slide changer or film attachment
75,890 TUUKB	Projection Lens DIMAR f:4, 200mm focus, with focusing mount, special carrier with holder for slide changer or film attachment and supporting bracket for the projector
75,892 TVUUR	Projection Lens DIMAR f:4, 250mm focus, with focusing mount, special carrier with holder for slide changer or film attachment and supporting bracket for the projector
75,894 TUUBX	Projection Lens EPNOR f:4.3, 300mm focus, with focusing mount, special carrier with holder for slide changer or film attachment and supporting bracket for the projector
75,902 TUUNQ	Extension Tube for using the 200mm LEICA TELYT lens on the VIII-s Projector
75,905 UMEXU	Carrier with flange for all LEICA lenses and for the projection lenses of 80, 85, 100 and 120mm focus
	(This carrier is included with all the various projector outfits listed, with the exception of the equipments including the long focus projection lenses of 150, 200, 250 and 300mm focus, because each of these projection lenses is provided with a special carrier for attaching the lens to the projector. The carrier No. 75,905 is therefore, required as an additional item for projectors originally equipped with a 150, 200, 250 or 300mm focus lens when an additional projection lens of shorter focal length or a LEICA lens is added.)
CONDENS	ERS
75,920 DLUUW	External, Interchangeable Condenser for 50mm LEICA lenses and for the micro attachment
75,922 UDAKI	External, Interchangeable Condenser for 73mm and 90mm LEICA lenses and 80, 85 and 100mm projection lenses
75,924 UBIKU	External, Interchangeable Condenser for 135 and 200mm LEICA lenses and 120 and 150mm projection lenses

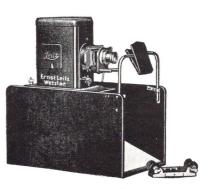
External, Interchangeable Condenser for 200, 250 and 300mm pro-

Cat. No. and Code Word		Price
75,930 TRPUU	Internal, Removable Hardglass Condenser No. 1, in mount for replacement	
75,932 TRVZO	Internal, Removable Hardglass Condenser No. 2, in mount for replacement	
75,934 TNUUZ	Internal, Removable Condenser No. 3, in mount for use with 50mm ELMAR lens only	
	(For utmost efficiency this condenser is suggested for the Elmar 50mm lens in the VIII-s—250 and VIII-s—400 projectors instead of the normally supplied condenser No. 1. It is inserted into the groove marked "3" after removing condenser No. 1 from groove marked "1." The condenser No. 3 is also recommended when lamps of 220 volts are being used with the projection lens 120mm and the LEICA lenses of 50mm, 90mm, 135mm and 200mm focus.)	
75,938 FUULI	<b>Heat Absorption Filter</b> for VIII-s—250, VIII-s—750 and VIII-s—1000 Projectors, as replacement	
75,940 FWWAL	Heat Absorption Filter for VIII-s-400 Projector, as replacement	
SPARE LA	MPS	
75,960 APUUM	Projection Lamp, 250-watt, 110-volts	
75,962 XYFOR	Projection Lamp, 400-watt, 110-volts	
75,964 XYSET	Projection Lamp, 750-watt, 110-volts	
75,966 XYTHA	Projection Lamp, 1000-watt, 110-volts	
75,970 BUUMG	Low-Voltage Projection Lamp, 250-watt, 50-volts, for VIII-s—250 Projector	
75,972 UUZOB	Low-Voltage Projection Lamp, 375-watt, 75-volts, for VIII-s—400 Projector	
	The low-voltage lamps can be used in place of the standard lamps in order to increase the brilliancy. They must be used with rheostats as listed below:	
<b>75,974</b> BPUUO	Resistor for Low-Voltage Lamp, 250-watt, 50-volts, for 110-volt current	
75,976 TLUUB	Resistor for Low-Voltage Lamp, 375-watt, 75-volts, for 110-volt current	
75,978 ULOUB	Rheostat, adjustable, for use with 375-watt, 75-volts lamp, for 110/250-volt current	

#### CARRYING CASES AND PROJECTION TABLES

Cat. No. and Code Word	
75,980 TOIUU	Carrying Case for Projectors VIII-s—250, or VIII-s—400, with accessories
75,982 TEEAH	Carrying Case for Projectors VIII-s—750 or VIII-s—1000, with accessories
75,990 ELRUU	<b>Projection Table,</b> with platform that can be tilted up or down, so as to permit projector to be used at an angle, with three tripod legs, 28 in. high
75,992 EMUUX	Projection Table, same as No. 75,990, but 52 in. high





Price

No. 76,100 with VIII-s Projector

No. 76,200 with VIII-s Projector

#### ATTACHMENTS FOR CONTINUOUS PROJECTION

76,100	Automatic Continuous Projector Attachment, for continuously
CANOE	showing twelve 2 x 2 in. glass slides with Projectors VIII-s-250
0.11.02	and VIII-s-400, including base on which projector is placed,
	without projector
76,103	Carrying Case for Automatic Projector Attachment No. 76,100
CASAU	with either Projector VIII-s—250 or VIII-s—400
76,105	Base for the Automatic Continuous Projector Attachment, for use
BANAN	with Projectors Model VIII-s-750 and VIII-s-1000 which are pro-
	vided with a ventilating unit, to compensate for the increased
	height

#### ATTACHMENT FOR READING PURPOSES

TPUUX

Viewing Apparatus for Projectors Models VIII-s—250 and VIII-s—400 consisting of box-shaped base upon which the projector is placed with diagonally arranged projection surface 10 x 10 in. in size including surface-silvered mirror, for use as a reading desk or as a viewer for negatives, a 50mm lens is recommended for the projector when used with this apparatus in which case the size of the projected image is 6% x 10 in.



No. 76,250 with Stereoly attached to Projector

# ACCESSORIES FOR THREE DIMENSIONAL PROJECTION — THE STEREOLY-POLAROID SYSTEM

This projection system allows both black and white and color stereo pictures made with the Leica to be projected and viewed by many individuals at the same time. Equipment necessary for this process consists of: Any model of the VIII-s Projector with a 50mm ELMAR, HEKTOR or SUMMAR lens . . . a Stereoly Attachment . . . Complete Accessory equipment, listed below . . . a correct type of screen . . . and Polaroid Spectacles for each of the spectators.

#### Cat. No. and Code Word

Price

76,250 POLAR Complete Accessory Equipment, for three dimensional projection, Stereoly-Polaroid System, consisting of two Polaroid filters in special mount for use on the Stereoly Attachment, and a Special Bracket to hold the latter on the VIII-s Projector, but not including the Stereoly Attachment......

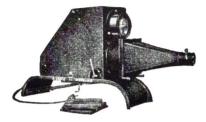
76,255 SPECS **Polaroid Spectacles,** for use by the observer for viewing pictures projected through the medium of the Stereoly-Polaroid System.

Prices on larger quantities will be supplied upon request.

NOTE: THE STEREOLY ATTACHMENT WILL BE FOUND LISTED ON PAGE 24.

VIII-S PROJECTORS WILL BE FOUND LISTED ON PAGES 73-77.

IT IS NECESSARY TO USE SPECIAL TYPES OF SCREENS FOR THE STEREOLY-POLAROID SYSTEM NAMES OF RECOMMENDED SCREENS WILL BE SUPPLIED UPON REQUEST.





No. 76,800

No. 76,810

#### COMBINATION PROJECTORS

Cat. No. and

Price

76,800 ABCUU Combination Projector V P — 325, Model I, with well-ventilated lamp-housing, removable from the base, 250-watt, 110-volt, precentered projection lamp, four-mirror illuminating system for the field of opaque projection which is 5½ x 5½ in., surface-silvered projection mirror inside the lamp-housing, projection lens EPIS f:3.6, 325mm focus for opaque objects, condenser 4¾ in. in diameter for lantern slide projection, removable lantern slide attachment with projection lens DIMENAR 190mm focal length, two slide carriers for 3¼ x 4 in. lantern slides and two carriers for 3¼ x x 3¼ in. lantern slides.

76,805 ABUUZ Opaque Projector V P — 325, Model I, without condenser and without lantern slide attachment, for opaque projection only ......

76,810 JASUU Combination Projector V P — 325, Model II, with well-ventilated lamp-housing, removable from the base, arranged to slide on the base for the consecutive projection of large opaque objects in consecutive sections, with four-mirror illuminating system for the field of opaque projection which is  $5\frac{1}{2} \times 5\frac{1}{2}$  in., surface-silvered projection mirror inside the lamp-housing, projection lens EPIS f:3.6, 325mm focus, substantially built base with aperture  $5\frac{1}{2} \times 11$  in., condenser  $4\frac{1}{2} \times 11$  in diameter for lantern slide projection, removable lantern slide attachment with projection lens DIMAX 200nm focus, four slide carriers for  $3\frac{1}{4} \times 4$  in. lantern slides and two carriers for  $3\frac{1}{4} \times 3\frac{1}{4}$  in. lantern slides and

76,815 IBUUG Opaque Projector V P — 325, Model II, same as No. 76,810, but without condenser and without lantern slide attachment, for opaque projection apparatus

# ACCESSORIES FOR COMBINATION PROJECTORS V P—325, MODELS I AND II

Cat. No. and

Code Word		Price
	Universal Attachment for the projection of LEICA glass slides, LEICA positive film strips, and for the projection of microscope slides, consisting of:	
76,820 UUPNL	Removable Front with carrier for the projection lenses and with additional condenser lens (this part is attached to the two-lens condenser of the Combination Projector in place of the lantern slide attachment)	
<b>76,830</b> UUPTX	Objective Carrier with projection objective MILAR f:4.5, 65mm focus (this cannot be used on the projector without No. 76,820)	
<b>76,835</b> TUUOD	Removable Slide Changer for 2 x 2 in. (50 x 50mm) LEICA glass slides	
<b>76,840</b> TUUEM	Removable Film Attachment for LEICA positive film strips	
76,845 UASKU	Interchangeable Mask, 18 x 24mm	
<b>76,850</b> MKUOO	Attachment for the Projection of Microscope Slides at a magnification up to 200X, with object stage, small optical bench and holder for the objectives, without objectives	
	(This cannot be used on the projector without No. 76,820.)	
<b>76,855</b> ACUBE	Micro Objective No. 1	
<b>76,860</b> ACEDU	Micro Objective No. 2	
<b>76,865</b> UUPWD	Universal Attachment, complete for LEICA lantern slides, LEICA film strips, and Micro Projection	
<b>76,870</b> APUUM	Spare Lamp, 250-watt, 110-volts	
76,875 ENVUU	Carrying Case for Combination Projector V P — 325, Model I with accessories	
<b>76,880</b> JSUUZ	Carrying Case for Combination Projector V P — 325, Model II with accessories	
	<b>Note:</b> A most extensive line of larger combination projectors is available. Particulars will gladly be furnished on request.	
	F 0 1 3	







Projector IV-f

Price

## LANTERN SLIDE PROJECTORS

ZISUU

Cat. No. and Code Word	
<b>76,910</b> DEFUU	Lantern Slide Projector, Model IV-s, for the projection of Lantern Slides, a very compact projector with collapsible front attachment, ideal for traveling, dimensions being only $10\frac{1}{2}$ x 6 x 6% in., with projection lamp 250-watt, two-lens condenser, and projection lens DIMAR 200mm focus, and two slide carriers for $3\frac{1}{4}$ x 4 in. slides and two carriers for $3\frac{1}{4}$ x 3½ in. slides
76,915 APUUM	Spare Lamp, 250-watt, 110-volts
76,920 DREUU	Carrying Case for Lantern Slide Projector, Model IV-s
76,930 ZEKUU- ZGUUS	Lantern Slide Projector, Model IV-F, with projection lamp 500-watt, 110-volts, heat absorption filter, projection lens EPIS f:3.6, 325mm focus, for lantern slides, with slide changer and two slide carriers, for 3½ x 4 in. slides and two carriers for 3½ x 3½ in. slides, external device for centering the lamp, built-in tilting device, enabling the projected image to be moved up or down. On account of its extreme brilliancy it is particularly recommended for the projection of color slides
76,935 ZUUCO	Spare Lamp, 500-watt, 110-volts
76,940	Carrying Case for Lantern Slide Projector IV-f

## PRISM BINOCULARS





No. 79,030

Cat. No. and Code Word

Price

79,000 BINAR LEITZ Prism Opera Glass, 3 x 13.5 (magnification 3X; diameter of objectives, 13.5mm). Light transmitting power, 20.25; field of view: 13.3 degrees, linear at 100 yards: 23 yards; weight, 7½ ounces; central wheel focusing. This glass has a wide field of view and high light transmission, making it excellent for use in the theatre or opera. Supplied with black metal parts, black leather covering, neckstrap and folding black morocco leather case with mirror...

79,010 BITUR LEITZ Prism Binocular, 4 x 20 (magnification 4X; diameter of objectives, 20mm). Light transmitting power, 25; field of view: 10.3 degrees, linear at 1000 yards: 180 yards; weight, 10 ounces; central wheel focusing. A small glass of high light transmitting power and wide field of view; ideal for indoor and outdoor sporting events, the theatre, and traveling; with brown leather case and neckstrap.

79,020 BIDAL LEITZ Prism Binocular, 6 x 15 (magnification 6X; diameter of objectives, 15mm. Light transmitting power, 6.25; field of view: 6.8 degrees, linear at 1000 yards: 122 yards; weight, 8 ounces; central wheel focusing. A glass of limited light transmission intended for daytime use, but extremely compact making it ideal for traveling; with brown leather case and neckstrap

**79,030**BINOLIT

LEITZ Prism Binocular, 6 x 24 Lightweight Type, (magnification 6X; diameter of objectives, 24mm). Light transmitting power, 16; field of view: 8.5 degrees, linear at 1000 yards: 150 yards; weight, 13 ounces; central wheel focusing. A general all-around glass, light and compact. With brown leather case and neckstrap

79,040 BIDOXIT **LEITZ Prism Binocular, 6** x 30 **Lightweight Type**, (magnification 6X; diameter of objectives, 30mm). Light transmitting power, 25; field of view: 8.5 degrees, linear at 1000 yards: 150 yards; weight, 15 ounces; central wheel focusing. This glass has a relatively high light transmitting power, making it suitable for use in poor light. With brown leather case and neckstrap

79,045 BINUXIT LEITZ Prism Binocular, 8 x 30 Lightweight Type, (magnification 8X; diameter of objectives, 30mm). Light transmitting power, 14; field of view: 8.5 degrees, linear at 1000 yards: 150 yards; weight, 16 ounces; central wheel focusing. This glass provides a wide field of view, making it easier and quicker to locate specific objects. With brown leather case and neckstrap

## PRISM BINOCULARS





No. 79,045

No. 79,050

Cat. No. and Code Word

Price

79.050 FOREST LEITZ Prism Binocular, 6 x 42 (magnification 6X; diameter of objectives, 42mm). Light transmitting power, 49; field of view: 7 degrees, linear at 1000 yards: 122 yards; weight, 281/2 ounces; central wheel focusing. A universal hunting glass, by virtue of high light transmission and relatively small weight and bulk; also ideal for use at sea and in the air. With brown leather case and neck-

79,055 FORSTA LEITZ Prism Binocular, 8 x 42 (magnification 8X; diameter of objectives, 42mm). Light transmitting power, 27.6; field of view: 6.3 degrees, linear at 1000 yards: 110 yards; weight, 28 ounces; central wheel focusing. A sport glass of higher magnification and good light transmitting power. With brown leather case and neckstrap

79,060

LEITZ Prism Binocular, 7 x 50 Lightweight Type, (magnification MARSEPTIT 7X; diameter of objectives, 50mm). Light transmitting power, 51; field of view: 7.3 degrees, linear at 1000 yards: 128 yards; weight, 281/4 ounces; central wheel focusing. A glass of the highest possible light transmitting power, ideal as a night glass for marine and aviation purposes. With brown leather case and neckstrap ...

79,065

LEITZ Prism Binocular, 8 x 60 Lightweight Type, (magnification MAROCTIT 8X; diameter of objectives, 60mm). Light transmitting power, 52; field of view: 6 degrees, linear at 1000 yards: 107 yards; weight, 41 ounces; central wheel focusing. This binocular couples higher magnification with the highest possible light transmitting power and is used as a night glass for marine or aviation purposes. With brown leather case and neckstrap .....

79,070 MARDIXIT LEITZ Prism Binocular, 10 x 50 Lightweight Type, (magnification 10X; diameter of objectives, 50mm). Light transmitting power, 25; field of view: 5 degrees, linear at 1000 yards: 87.5 yards; weight, 28 ounces; central wheel focusing. This glass combines high magnification and light transmitting power, making it useful for hunting purposes or as a marine glass. With brown leather case and neckstrap .....

#### PRISM BINOCULARS





No. 79,085

No. 79,095

Cat. No. and Code Word

79.075

LEITZ Prism Binocular, 10 x 60 Lightweight Type, (magnification DECIMARIT 10X; diameter of objectives, 60mm). Light transmitting power, 36; field of view: 5.8 degrees, linear at 1000 yards: 102 yards; weight, 34 ounces, central wheel focusing. A glass of high magnification and wide field of view, and also possessing a very high light transmitting power making it useful as a night glass for hunting, marine and aviation purposes .....

79,080 MARDOCIT

LEITZ Prism Binocular, 12 x 60 Lightweight Type, (magnification 12X; diameter of objectives, 60mm). Light transmitting power, 25; field of view: 4.3 degrees, linear at 1000 yards: 75 yards; weight, 401/2 ounces; central wheel focusing. A glass of higher magnification and high light transmitting power which is a favorite for use at sea. With brown leather case and neckstrap .....

79.085 CAMPARIT

LEITZ Prism Binocular, 10 x 40 Lightweight Type, (magnification 10X; diameter of objectives, 40mm). Light transmitting power, 16; field of view: 7.3 degrees, linear at 1000 yards: 128 yards; weight, 251/4 ounces; central wheel focusing. A glass combining high magnification, good light transmitting power and a wide field of view. Useful at sea or in the air. With brown leather case and neckstrap .....

79,090 CAMPO-MARIT

LEITZ Prism Binocular, 12 x 50 Lightweight Type, (magnification 12X; diameter of objectives, 50mm). Light transmitting power, 17.4; field of view: 5.75 degrees, linear at 1000 yards: 100 yards; weight, 301/2 ounces; central wheel focusing. A glass, for use at sea and in the air, which has higher magnification combined with high light transmitting power and wide field of view. With brown leather case and neckstrap .....

79.095 CAMPO-FORTIT

LEITZ Prism Binocular, 15 x 60 Lightweight Type, (magnification 15X; diameter of objectives, 60mm). Light transmitting power, 16; field of view: 4.65 degrees, linear at 1000 yards: 81 yards; weight, 411/2 ounces; central wheel focusing. A glass for marine and aviation purposes, having great magnification combined with high light transmitting power and a wide field of view. With brown leather case and neckstrap .....

[ 88 ]

## RANGE FINDERS FOR SHOOTING AND SURVEYING, HORIZONTAL AND VERTICAL MEASUREMENTS OF ALL KINDS



No. 79,200

Cat. No. and Code Word	<del>7</del>	]
79,200 GEODI	Leitz Range Finder GEODI, with 30cm. base length and inter- changeable monocular prism glass 6X magnification, measuring range 170 to 3000 ft. in canvas case, with shoulder strap	
79,202 GEOME	Leitz Range Finder GEODI, with 30cm. base length and inter- changeable Galilean telescope 5X magnification, measuring range 170 to 3000 ft. in canvas case, with shoulder strap	
<b>Ø79,204</b> GEOTR	Leitz Range Finder GEODI, with 30cm. base length and inter- changeable monocular prism glass 6X magnification special model with a measuring range from 30 to 300 ft. in canvas case, with shoulder strap	
<b>ø79,206</b> GEOHU	Leitz Range Finder GEODI, with 30cm base length and inter- changeable monocular prism glass 6X magnification, special model with a measuring range from 100 to 1000 ft. in canvas case, with shoulder strap	
ø79,208 TEFIL	Set of Three Filters of different densities. These filters give better contrast between the two range finder images	
79,210 MOPRI	Monocular Prism Glass, 6X magnification	
79,212 MOMAS	Galilean Telescope, 5X magnification	

# CONVERSION PRICES FOR LEICA CAMERAS, LENSES, AND ACCESSORIES

Former models of the LEICA Camera except Model B and accessories can be converted into later models at any time. In converting LEICA Cameras, the latest refinements and improvements are included for each particular model. However, conversion of the earlier LEICAS to Model IIIb cannot be made as yet.

(2)	LEICA Model A Converted to Model IIwithout lens
(3)	LEICA Model A Converted to Model IIIwithout lens
(4)	LEICA Model A Converted to Model IIIawithout lens
(5)	LEICA Model C Converted to Model II without lens
(6)	LEICA Model C Converted to Model IIIwithout lens
(7)	LEICA Model C Converted to Model IIIawithout lens
(8)	LEICA Standard Model Converted to Model II(lens already coupled)
(9)	LEICA Standard Model Converted to Model III (lens already coupled)
(10)	LEICA Standard Model Converted to Model IIIa(lens already coupled)
(11)	LEICA Standard Model Chrome Converted to II Chrome (lens already coupled)
(12)	LEICA Standard Model Chrome Converted to III Chrome (lens already coupled)
(13)	LEICA Standard Model Chrome Converted to IIIa Chrome(lens already coupled)
(14)	LEICA Model II Converted to Model III(lens already coupled)
(15)	LEICA Model II Converted to Model IIIa(lens already coupled)
(16)	LEICA Model II Chrome Converted to III Chrome(lens already coupled)
(17)	LEICA Model II Chrome Converted to IIIa Chrome(lens already coupled)
(18)	LEICA Model III Converted to Model IIIa(lens already coupled)
(19)	LEICA Model III Chrome Converted to IIIa Chrome (lens already coupled)
	The conversion of black-finished cameras into Model IIIa does not include
	chromium plating. The cameras retain the black finish unless they are
	already chromium plated. It is not possible to have a black model chromium
	plated.
(20)	Converting ELMAR 35mm, f:3.5 lens, to fit Models II, III, IIIa and IIIb
(21)	Converting ELMAR 50mm, f:3.5 lens, to fit Models II, III, IIIa and IIIb
(22)	Converting HEKTOR 50mm, f:2.5 lens, to fit Models II, III, IIIa and IIIb
(23)	Converting ELMAR 90mm, f:4 lens, to fit Models II, III, IIIa and IIIb
(24)	Converting ELMAR 135mm, f:4.5 lens, to fit Models II, III, IIIa and IIIb
	NOTE: ONLY THE VERY FIRST LEICA LENSES AS SUPPLIED WITH
	THE OLD MODEL A AND C LEICAS REQUIRE THIS CONVERSION
	WHICH INCLUDES THE INSTALLATION OF A COUPLING DEVICE
	FOR THE BUILT-IN RANGE FINDER. ALL THE LATER LENS
	MODELS DO NOT REQUIRE ANY CHANGES AND CAN BE USED ON
	ALL LEICA CAMERAS.
(05)	Conventing ald style Cliding Feening Conv. Attachment No. 1 to accom-

- (25) Converting old style Sliding Focusing Copy Attachment No. 1 to accommodate LEICA Models III and IIIa including clip for magnifier ..............
- (27) Attaching 1½X focusing magnifier to range finder of Model II LEICA .....
- (28) Attaching eyelets including neckstrap to Models A, C, Standard Model and II Early models of the LEICA require certain changes in order that the Rapid Winder Cat. Nos. 67,115 and 67,117 and the Leica Motor No. 67,110 may be used, viz:
- (29) Cameras No. 1 to 111,449, new base plate, large base plate pin, and new winding knob and shaft ......

#### LEICA PUBLICATIONS

LEICA PHOTOGRAPHY, monthly publication issued free of charge to all LEICA owners residing in the United States who have registered their cameras with us, and at \$1.00 to non-LEICA owners; \$2.00 yearly subscription to all residing outside the United States. Edited by Augustus Wolfman and George W. Hesse.

#### Cat. No. and Code Word

The following books are obtainable from all photographic dealers or direct from E. Leitz, Inc.

79,500 LIMAN 79,505 COLOR 79,510 GALRI 79,515 MITRI "How To Use Your Candid Camera," by Ivan Dmitri, illustrated with about 70 photographs, cloth bound .......

79,520 KARFL 79,525 KRUCK "Snow Canvas," by Prof. Stefan Kruckenhauser, "Ski Men and Mountains with the Leica," contains 120 pages of articles on winter photography with numerous illustrations......

# ALPHABETICAL INDEX OF CODE WORDS

ABCOO	Code Cat. Word No. I	Page	Code Cat. Word No.	Page	Code Word	Cat. No. Page
ABCOO				U	11 02 4	inor ingo
ABCOO 68,330 31 BPUUO 75,974 80 ABCUU 76,800 83 BRACK 67,530 25 DECIMARIT 79,075 88 ABLON 68,320 31 BUUMG 75,970 80 DEEMH 72,234 53 ABLON 68,320 31 DEEMH 72,413 57 ABUUZ 76,805 83 BUUMG 75,970 80 DEEMH 72,413 57 ABUUZ 76,805 83 BUUMG 75,970 80 DEEMH 72,413 57 ABUUZ 76,805 83 BUUMG 75,970 80 DEEMH 72,413 57 ABUUZ 76,805 83 BUUMG 75,970 80 DEEMH 72,413 57 ABUUZ 76,805 84 CAUFA 65,958 9 DEFOO 68,430 32 ACUBE 75,827 78 DEFOO 68,430 32 ACEDU 75,829 78 DIREKT 66,910 19 ACEDU 76,806 84 CALFA 65,958 9 DIREKT 66,910 19 AGRIF 68,310 31 CALOS 72,010 49 DOOLU 67,080 21 AGRIF 68,310 31 CALOS 72,010 49 DOOLU 67,080 21 AGULI 68,505 33 CAMPARIT 79,085 88 CHROM 67,082 21 AHOOT 66,060 10 CAMPO- ANZOO 68,325 31 FORTIT 79,095 88 APDOM 66,918 19 MARIT 79,090 88 APUUM 76,870 84 CARIR 73,850 70 EITPL 72,416 57 APUUM 76,870 84 CARIR 73,850 70 EITPL 72,416 57 APUUM 76,870 84 CARIR 73,850 70 EITPL 72,416 57 APUUM 76,870 84 CARIR 73,850 70 EILTPL 72,416 57 APUUM 76,870 84 CARIR 73,850 70 EILANG 65,670 6 AUFET 66,052 9 CDEOO 73,408 65 ELANG 72,228 53 AUFET 68,158 29 CDOOB 73,408 65 ELANG 72,238 53 AUFET 68,158 29 CDOOB 73,408 65 ELANG 72,236 55 AUFET 66,055 10 CENTO 73,915 70 ELDIA 68,800 35 CFIOO 73,412 65 ELESS 72,180 52 AUFET 68,158 29 CDOOB 73,408 65 ELANG 72,236 55 BEECH 72,104 50 CENTO 73,412 65 ELESS 72,180 52 BEECH 72,104 50 CHROM 66,625 16 ELMAR 68,800 35 BEECH 72,124 50 CHROM 66,625 16 ELMAR 72,366 55 BEECH 72,124 50 CMEET ELESS 72,180 52 BEECH 72,126 52 CMEET ELESS 72,180 52 BEECH 72,126 52 CMEET ELEST 72,260 54 ELLET 70,500 45 BEECH 72,126 52 CMEET ELEST 72,260 54 ELLET 70,500 45 BEECH 72,126 52 CMEET ELEST 72,260 54 ELLET 70,500 45 BEECH 72,126 52 CMEET ELEST 72,260 54 ELLET 70,500 45 BEECH 72,126 52 CMEET ELEST 72,260 54 ELLET 70,500 45 BEECH 72,126 52 CMEET 84,000 50 EMOOX 68,000 28 BEINS 70,920 47 COOED 70,120 39 EMOOX 68,000 28 BEINS 70,920 48 COOED 73,432 66 EPNUU 75,445 76 BEECH 72,146 50 COOED 70,120 39 EMOOX 68,000 28 BEINT 70,910 47 COOED 70,130 43 ERDOO 68,000 28 BEINT 70,942 48 COOPI 70,330 43 ERDOO 68,000 28 BEINT	Α					D
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BAZOO         70,950         48         CHOOX         73,421         65         ELMAR         .65,620         5           BEECH         72,104         50         CHROM         .66,625         16         ELMAR         .72,306         55           BEECH         72,132         51         CLIPP         .66,626         12         ELMAR         .72,306         55           BEECH         72,196         52         CMEET-         ELPET         .70,590         45           BEECH         72,232         53         XCEES-         ELPIK         .70,580         45           BEECH         72,412         57         XBEET         .72,260         54         ELPRO         .70,570         45           BEHOO         .70,922         48         COLOR         .79,505         91         ELRUU         .75,990         81           BEINS         .70,920         47         COOED         .70,120         39         EMOOX         .68,040         26           BELUR         .70,990         48         COOED         .72,309         55         EMTOO         .68,130         29           BEUN         .70,900         47         COOLG         .66,156         <	BANAN 76.105	81				
BEECH         72,104         50         CHROM         66,625         16         ELMAR         72,306         55           BEECH         72,132         51         CLIPP         66,262         12         ELMAR         72,306         56           BEECH         72,196         52         CMEET-         ELPET         70,590         45           BEECH         72,232         53         XCEES-         ELPIK         70,580         45           BEECH         72,412         57         XBEET         72,260         54         ELPRO         70,570         45           BEHOO         70,922         48         COLOR         79,505         91         ELRUU         75,990         81           BEINS         70,920         47         COOED         70,120         39         EMOOX         68,040         26           BEKUR         70,925         48         COOED         72,309         55         EMTOO         65,702         6           BELOS         70,990         48         COOHS         70,125         40         EMTOO         68,130         29           BEMTI         72,000         50         COOLG         66,166         11						
BEECH         72,196         52         CMEET-         ELPET         70,590         45           BEECH         72,232         53         XCEES-         ELPIK         70,580         45           BEECH         72,412         57         XBEET         72,260         54         ELPRO         70,580         45           BEHOO         70,922         48         COLOR         79,595         91         ELRUU         75,990         81           BEINS         70,920         47         COOED         70,120         39         EMOOX         68,040         26           BEKUR         70,925         48         COOED         72,309         55         EMTOO         65,702         6           BELOS         70,990         47         COOLG         66,156         11         EMUUX         75,992         81           BEMTI         72,100         50         COOLG         68,168         29         ENVUU         76,875         84           BEOOY         70,940         48         COOPI         73,632         66         EPNUU         75,445         76           BESUM         70,912         47         COOWQ         72,448         58	BEECH72,104	50		5 16		
BEECH         72,232         53         XCEES-         ELPIK         70,580         45           BEECH         72,412         57         XBEET         72,260         54         ELPRO         70,570         45           BEHOO         70,922         48         COLOR         79,505         91         ELRUU         75,990         45           BEINS         70,920         47         COOED         70,120         39         EMOOX         68,040         26           BEKUR         70,925         48         COOED         72,309         55         EMTOO         65,702         6           BELOS         70,990         48         COOHS         70,125         40         EMTOO         68,130         29           BEMTI         72,000         50         COOLG         66,166         11         EMUUX         75,992         81           BEOY         70,940         48         COOPI         73,632         66         EPNUU         76,875         84           BEOY         70,940         48         COOPI         73,632         66         EPNUU         75,445         76           BESUM         70,912         47         COOWQ <td< td=""><td></td><td></td><td></td><td>2 12</td><td></td><td></td></td<>				2 12		
BEECH         72,412         57         XBEET         72,260         54         ELPRO         .70,570         45           BEHOO         70,922         48         COLOR         79,505         91         ELRUU         .75,990         81           BEINS         70,920         47         COOED         70,120         39         EMOOX         .68,040         26           BEKUR         70,925         48         COOED         72,399         55         EMTOO         .65,702         6           BELOS         70,990         48         COOHS         70,125         40         EMTOO         .68,130         29           BEUN         70,990         47         COOLG         66,156         11         EMUUX         .75,992         81           BEOOY         70,940         48         COOPI         73,632         66         EPNUU         .76,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         68,124         28           BETRY         70,915						
BEHOO         70,922         48         COLOR         79,505         91         ELRUU         .75,990         81           BEINS         70,920         47         COOED         70,120         39         EMOOX         .68,040         26           BEKUR         70,925         48         COOED         72,309         55         EMTOO         .65,702         6           BELOS         .70,990         48         COOHS         70,125         40         EMTOO         .68,130         29           BELUN         .70,900         47         COOLG         66,156         11         EMUUX         .75,992         81           BEOY         .70,940         48         COOPI         .73,632         66         EPNUU         .75,445         76           BERAT         .70,992         48         COOTL         .70,122         39         EPZOO         .68,025         26           BESUM         .70,912         47         COOWQ         .72,448         58         EQOOT         .68,124         28           BETAB         .70,942         48         COPIN         .70,330         43         ERDOO         .68,050         26           BEUUY-IZUUS         <				0 54		
BEINS         70,920         47         COOED         70,120         39         EMOOX         68,040         26           BEKUR         70,925         48         COOED         72,309         55         EMTOO         .68,130         29           BELOS         70,990         48         COOHS         70,125         40         EMTOO         .68,130         29           BELUN         70,900         47         COOLG         .66,156         11         EMUUX         .75,992         81           BEMTI         72,100         50         COOLG         .68,168         29         ENVUU         .76,875         84           BEOY         70,940         48         COOPI         73,632         66         EPNUU         .75,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         70,915						
BEKUR         70,925         48         COOED         72,309         55         EMTOO         .65,702         6           BELOS         70,990         48         COOHS         70,125         40         EMTOO         .68,130         29           BELUN         70,900         47         COOLG         66,166         11         EMUUX         .75,992         81           BEMTI         72,100         50         COOLG         68,168         29         ENVUU         .76,875         84           BEOY         70,940         48         COOPI         73,632         66         EPNUU         .75,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETRY         70,912         47         CORCF         68,465         33         ESFOO         .68,090         26           BEUUY-IZUUS         75,040         72         CORET         68,450         33         ESFUS         .68,020         26						
BELUN         70,900         47         COOLG         66,156         11         EMUUX         .75,992         81           BEMTI         72,100         50         COOLG         68,168         29         ENVUU         .76,875         84           BEOOY         70,940         48         COOPI         73,632         66         EPNUU         .75,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         70,915         47         CORCF         .68,465         33         ESFOO         .68,020         26           BEUUY-IZUUS         75,040         72         CORET         .68,490         33         ESFUS         .68,020         26						65,702 6
BEMTI         72,100         50         COOLG         68,168         29         ENVUU         .76,875         84           BEOOY         70,940         48         COOPI         73,632         66         EPNUU         .75,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         70,915         47         CORCF         68,465         33         ESFOO         .68,050         26           BEUUY-IZUUS         75,040         72         CORET         68,490         33         ESFUS         .68,020         26						
BEOOY         70,940         48         COOPI         73,632         66         EPNUU         .75,445         76           BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         70,915         47         CORCF         68,465         33         ESFOO         .68,050         26           BEUUY-IZUUS         75,040         72         CORET         68,490         33         ESFUS         .68,020         26						
BERAT         70,992         48         COOTL         70,122         39         EPZOO         .68,025         26           BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         70,915         47         CORCF         .68,465         33         ESFOO         .68,050         26           BEUUY-IZUUS         75,040         72         CORET         .68,490         33         ESFUS         .68,020         26				-		
BESUM         70,912         47         COOWQ         72,448         58         EQOOT         .68,124         28           BETAB         70,942         48         COPIN         70,330         43         ERDOO         .68,090         28           BETRY         .70,915         47         CORCF         .68,465         33         ESFOO         .68,050         26           BEUUY-IZUUS         75,040         72         CORET         .68,490         33         ESFUS         .68,020         26						
BETAB 70,942 48 COPIN 70,330 43 ERDOO 68,090 28 BETRY 70,915 47 CORCF 68,465 33 ESFOO 68,050 26 BEUUY-IZUUS 75,040 72 CORET 68,490 33 ESFUS 68,020 26						
BETRY70,915 47 CORCF68,465 33 ESFOO68,050 26 BEUUY-IZUUS 75,040 72 CORET68,490 33 ESFUS68,020 26						
		47				
BEUUY-IZUUS 75,882 79 CORID68,455 32 ESMOS68,015 26						
BIDAL						
BIDOXIT79,040 86 CORPE68,462 33 ESOOR68,005 26 BINAR79,000 86 CORUN68,450 32 ETBIX68,110 28						
BINOLIT79,030 86 CORYB68,458 32 ETBUL68,112 28						
BINUXIT79,045 86 COSLA70,355 43 ETGUS68,070 28						
BITUR 79,010 86 COSTI 68,452 32 ETHOO 66,062 10						

Code	Cat.	Code Cat.		Code	Cat.
Word	No. Page		Page	Word	No. Page
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ETHOO	68,162 29	FETRA73,6	52 67	FLABU	73,755 69
ETILA	68,095 28	FEVIN68,4	02 32	FLASH	67,510 25
ETIME	68,100 28	FEVOP68,4	05 32	FLECT	67,520 25
ETINI	68,116 28	FEVUQ68,4	07 32	FLOTH	70,560 45
ETINX	68,118 28	FGHOO66,7	20 17	FLQ00	66,705 17
ETIPO	68,126 29	FGOOE66,4	70 15	FNOOY	66,420 14
ETISY	68,134 29	FHKOO68,3	40 31	FNUOO	66,424 14
ETMAX		FHOOD66,4	<b>74</b> 15	FOFER	66,248 12
ETNEU	68,065 27	FIALT68,5	<b>40</b> 33	FOKAL	
	66,903 19	FIATE67,3			66,240 12
	68,144 29	FIAVI67,0			66,250 12
	68,120 28	FIBOB66,3		FOKOS-	
	<b>68,085</b> 28	FIBOS66,8		CHROM	
	68,105 28	FICYL68,5		FOKUX	
	68,115 28	FIDRI66,8		FONOR	
	68,117 28	FIGAM66,3			66,372 14
	68,060 27	FIGIL66,4			66,468 15
	68,125 28	FIGLX73,0			67,000 20
ETTWO		FIGRO66,3		FOONW	
	68,187 29	FIHEL66,3		FOOQL	
	66,258 12	FIKUS66,7			68,295 30
	68,188 29	FIKYB66,3		FOREST	
	68,142 29	FILCA66,8		FORSTA	
	66,249 12	FILIF70,6			72,238 53
	<b>68,185</b> 29 <b>68,140</b> 29	FILIF73,7			73,615 66
EWOON		FILXA66,4			73,620 66
	68,035 26	FIMAN68,5			72,352 56
	68,114 28	FINOT66,4			70,325 43 72,342 56
	68,080 28	FINOT72,1			
	68,030 26	FINOT72,1			70,350 43 70,420 44
	68,045 26	FINOT72,3			70,430 44
EZOOR	00,010 20	FINOT72,3			70,440 44
,	П	FINOT72,3			. 68,700 34
	F	FINUS66,3			68,710 34
DADIV	67.038 21	FIOLA66,3			70,400 44
	<b>67,038</b> 21 <b>67,029</b> 20	FIOOC66,4			73,625 66
FARUX	,	FIORE66,3			75,938 80
	66,404 14	FIPLO66,4		FWWAL	
FAWAG		FIPOS66,3			.73,380 64
	67,033 20	FIQUX66,3	78 14		.73,060 59
FBOOK	,	FIRAD66,3			.73,320 63
FBX00		FIREG66,4			.73,605 66
	66,422 14	FIRGI70,6		FYSTY	.73,130 60
	66,320 13	FIRHE66,3			
	70,250 42	FIRHU66,8			
FDOOH		FIRMY66,3		0	
	66,380 14	FIRYX66,4	<b>35</b> 15	G	
	70,520 45	FISEX66,8			
	72,340 56	FISON66,7		GALRI	.79,510 91
FELIF	70,522 45	FISONCHROM 66,7		GEODI	
FELIS	73,600 66	FISUL68,55		GEOHU	
FELUK	73,610 66	FIVPL72,2		GEOME	.79,202 89
FEOOG	66,384 14	FIWAS66,4		GEOTR	
	68,412 32	FIWET66,40		GIIBR	
	68,418 32	FIWIG66,4		GHEF	.72,015 49
	68,400 32	FIXAM68,5		GHEF	.72,154 51
	68,410 32	FIXIO66,3		GHEF	.72,192 52
FETCA	68,415 32	FIXTA66,30	00 13	GIIFT	.72,030 49

Code Word	Cat. No. P	age	Code Word	Cat. No. P	age	Code Word	Cat. No. Pa	age
GIIMW	72,020	49	KOEIM	68,842	35	LWHOO	70,055	38
	72,156	51		68,862	36		72,152	51
GIINK		49		68,860	36		72,298	55
GIINK		51		68,880	36	LWHOO	72,338	57
GIIOX	65,405	4		66,825	18		65,050	3
GLASI		65		66,820	18	LYDRO-		0
GLASI		69		68,866	36	CHROM	65,032 $65,035$	$\frac{3}{2}$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	72 820	65 69	******	68,846	36	LYHEC-	00,000	2
GOOBR		68	KOGLA	68.848	36	CHROM	65.037	2
GOOFT		68	KOREF	68,848		LYKAN		2
GOORM		38	KOPAT	68,844	36	LYKAN-		
GOORM	72,292	55		68,878	36	CHROM		2
	70,200	42	KOSUS	68,884	37		65,030	2
	72,138	$\begin{array}{c} 51 \\ 52 \end{array}$	KOTOS KOVIR	68,864	36 35	LYKUP- CHROM	GE 099	2
	72,184	38		79,525	91	LYMAR		3
GREOO		90	KROCK		01	LYMAR-		Ü
,	rr			т		CHROM	65,057	3
	H			L		LYSTA	65,010	<b>2</b>
HEBOO	66,900	19	LANCA	69,025	37	LYSTA-		
HEFAR		6		65,084	3	CHROM	65,012	2
HEGRA		6	LEMAX	65,000	2	LYSUM	65,065	ð
HEKTO		5	LEMAX-			CHROM	65.067	3
HEPET		46		65,002	$\frac{2}{2}$	011110111		0
HEPIK		46 46		65,005 $72,110$	50	78	AT.	
HEPRO HFOOK		12	LENOT	72,162	51	T	I	
HFOOK		12	LENOT	72,188	52	MARDIXIT	79,070	87
CHROM	66,256	12	LENOT	72,224	53	MARDOCIT		88
HIIBE	72,312	55	LENOT	72,262	54	MAROCTIT		87
	72,406	57	LENOT	72,304	55	MARSEPTI		87
HIIDF	72,315	55	LENOT	72,348	56	MEUUR		76 50
$\begin{array}{cccc} \text{HIIDF} & \dots & \\ \text{HOOPY} & \dots & \end{array}$	72,410	57 5	LENOT-	72,392	57	MEWIN MFSSU	75,400	76
110011	05,000	o		65,008	2	MFUUS-		
	I			65,082	3		75,410	76
	1		LGCOO	70,040	38		75,415	76
IBSOR	65,408	4	LGCOO	70,390	44	MFXXU		76
IFSTA-DTE		50	LGCOO	72,346	56	MIKAS	72,005	49 51
IFSTA-DTE	EO 72,135	51					WO 114	
	TTO WO 000		LIHIG	65,060	3	MIKAS	75,990	
	EO 72,200	52	LIHIGC	HROM 65,062	3	MIKAS MIKUU	75,830	78
ILLUM	EO 72,200 70,682		LIHIGO	HROM 65,062 65,080	3	MIKAS MIKUU MIOOP	75,830 72,000	
	70,682	52	LIHIGC	HROM 65,062	3 3 3	MIKAS MIKUU MIOOP	75,830 72,000 79,515	78 49
		52	LIHIGCI LIGOO LIMAN	HROM 65,062 65,080 79,500 70,050 72,386	3 3 91 38 57	MIKAS MIKUU MIOOP MITRI MKUOO	75,830 72,000 79,515 75,825 76,850	78 49 91 78 84
JASUU	J76,810	52 46 83	LIHIGCI LIGOO LIMAN LKIOO LKIOO LOOBT	HROM 65,062 65,080 79,500 70,050 72,386 65,088	3 3 91 38 57 3	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN	75,830 72,000 79,515 75,825 76,850 75,435	78 49 91 78 84 76
JASUU JBUUG	J76,81076,815	52 46 83 83	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY	HROM 65,062 65,080 79,500 70,050 72,386 65,088 65,200	3 3 91 38 57 3 4	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL	75,830 72,000 79,515 75,825 76,850 75,435 75,430	78 49 91 78 84 76 76
JASUU JBUUG	J76,810	52 46 83	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE	HROM 65,062 	3 3 91 38 57 3 4 34	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MOMAS	75,830 72,000 79,515 75,825 76,850 75,435 75,430	78 49 91 78 84 76 76 89
JASUU JBUUG JSUUZ	J 76,810 76,815 76,880	52 46 83 83	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE	HROM 65,062 	3 3 91 38 57 3 4 34 4	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MOMAS MONUU	75,830 72,000 79,515 75,825 76,850 75,435 75,430 79,212 75,440	78 49 91 78 84 76 76 89 76
JASUU JBUUG JSUUZ	J76,81076,815	52 46 83 83	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE	HROM 65,06265,08079,50070,05072,38665,20868,72068,72065,20570,142	3 3 91 38 57 3 4 34	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MOMAS MONUU		78 49 91 78 84 76 76 89
JASUU JBUUG JSUUZ	J76,81076,81576,880	52 46 83 83	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE LSZOO	HROM 65,062 	3 3 3 91 38 57 3 4 34 4 40 51 52	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MOMAS MONUU MOOBG MOOBH		78 49 91 78 84 76 76 89 76 39 39
JASUU JBUUG JSUUZ  KARFL KGOON	J70,682 J76,81076,81576,880 K79,52067,005	52 46 83 83 84 91 20	LIHIGOLIGOO LIGOO LIMAN LKIOO LKIOO LOOBT LOOSE LOOYE LSZOO LSZOO LUDOO LUDOO	HROM 65,06265,08079,50070,05072,38665,08865,20068,72065,20570,14272,16072,19465,086	3 3 3 91 38 57 3 4 34 4 40 51 52 3	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MONUU MONUU MOOBG MOODH MOOGW		78 49 91 78 84 76 76 89 76 39 39 39
JASUU JBUUG JSUUZ  KARFL KGOON KGOON	J76,81076,81576,880 K79,52067,00570,185	52 46 83 83 84 91 20 42	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE LSZOO LSZOO LSZOO LUDOO LUFAS	HROM 65,062 65,080 79,500 70,050 72,386 65,088 65,200 68,720 65,205 70,142 72,160 72,194 65,086 72,314	3 3 3 91 38 57 3 4 34 4 40 51 52 3 55	MIKAS MIKUU MIOOP MIOOP MITRI MKUOO MLUUN MNUUL MOMAS MONUU MOOBG MOODH MOOGW MOOLY		78 49 91 78 84 76 76 89 76 39 39 39 22 40
JASUU JBUUG JSUUZ  KARFL KGOON KGOON	70,682  J76,81076,81576,880  K79,52067,00570,18572,186	52 46 83 83 84 91 20 42 52	LIHIGO LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE LSZOO LSZOO LUDOO LUDOO LUFAS LUFAS	HROM 65,06265,08079,50070,05072,38665,08865,20068,72065,20570,14272,16072,19465,08672,31472,408	3 3 3 91 38 57 3 4 4 40 51 52 3 55 57	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MOMAS MOOBG MOOBG MOOGW MOOLY MOOSP		78 49 91 78 84 76 76 89 76 39 39 22 40
JASUU JBUUG JSUUZ  KARFL KGOON KGOON KGOON	70,682  J76,81076,81576,880  K79,52067,00570,18572,18672,270	52 46 83 83 84 91 20 42 52 54	LIHIGO LIGOO LIMAN LKIOO LOOBT LOOMY LOOSE LOOYE LSZOO LSZOO LUDOO LUFAS LUFAS LUFAS LVFOO	HROM 65,062 65,080 79,500 70,050 72,386 65,088 65,200 68,720 65,205 70,142 72,160 72,194 65,086 72,314 72,408 70,045	3 3 3 91 38 57 3 4 4 40 51 52 3 55 57 33 57	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MONUU MOOBG MOOBH MOOBB MOOBB MOORB MOORB MOOSP		78 49 91 78 84 76 76 89 76 39 39 22 40 7 89
JASUU JBUUG JSUUZ  KARFL KGOON KGOON	J76,81076,81576,880 K79,52067,00570,18572,18672,27073,660	52 46 83 83 84 91 20 42 52	LIHIGCI LIGOO LIMAN LKIOO LKIOO LOOBT LOOMY LOOSE LOOYE LSZOO LSZOO LSZOO LUDOO LUFAS LUFAS LVFOO	HROM 65,06265,08079,50070,05072,38665,08865,20068,72065,20570,14272,16072,19465,08672,31472,408	3 3 3 91 38 57 3 4 4 40 51 52 3 55 57	MIKAS MIKUU MIOOP MITRI MKUOO MKUOO MLUUN MNUUL MONUU MOOBG MOOBH MOOBB MOOBB MOORB MOORB MOOSP	75,830 72,000 79,515 75,825 76,850 75,435 79,212 70,080 70,082 67,110 70,128 65,730 79,210	78 49 91 78 84 76 76 89 76 39 39 22 40

Code	Cat.		Code	Cat.		Code	Cat.	
Word	No. Pa	ıge	Word	No. Pa	$\mathbf{g}$ e	Word	No. Pa	age
	<b>7</b> . T		PBEED	73,863	70	SEVPL	72,356	56
	$\mathbf N$			66,540	16		66,115	11
NAABC	75 600	77	PGYOO	66,550	16		75,065	72
NAHNE		70	PLOOT	65,720	7		75,070	72
NAKUL		34	PLOOT	72,190	52	SGVUU	75,045	72
NAMAS		34	PLOOT	72,226	53		66,725	17
NATRA		34	PLOOT	72,264	54		66,260	12
	75,610	77	POLAR	76,250	82		75,080	72
	75,615	77		66,530	16		75,025	71 71
NDDGH		77		66,532	16		LAS75,010	55
NEEJK		77	POOCI	66,534	16 16		75,044	72
NFFLM		77		66,556	16		75,048	72
NGGNO		77 77		66,536	16		75,047	72
$\begin{array}{ccc} \mathrm{NHHPR} & \dots \\ \mathrm{NIIST} & \dots \end{array}$	75,640	77		66,554	16		75,000	71
NOOKY		23		66,558	16		75,046	72
NOOKY-		20		,		SNEEX	75,038	71
HESUM	67.210	23		Q		SOFIT	70,835	47
	68,420	32	ODOOF	_	1.4		66,700	17
	67,157	23		66,406	14 13	SOOMP	66,715	17
			QCPOO		10		GLAS 75,018	71
	0			R			75,030	$\begin{array}{c} 71 \\ 82 \end{array}$
	0			П		SPECS SPMOO-	76,255	04
	72,118	51	RAMET	66,080	10		70,195	42
	73,930	70	RAMET-			SPMOO-		
OHEBO OKARO		7 8		66,081	10		72,136	51
OLDER		69		66,085	10	SPMOO-		
	65,400	4	RASAL-	cc 000	10	DOOSL	72,182	52
	66,890	19		66,090	10	SPMOO-		
	70,000	38	RASUK-		10		72,290	55
	72,140	51		66,075	10	SPMOO-	<b>70.000</b>	57
OORES	72,294	55		72,106	50		72,380	72
	72,384	57	REDYX	72,134	51		70,180	42
	70,500	44	REDYX	72,198	52	SPUCA	66,805	18
	70,510	44		72,236	53		66,810	18
OPKOM		18		72,414	57	SPUUV	75,022	71
ORAKO	65,920	8		70,155	40	STALI	70,675	46
CHROM	65.922	8		73,765 $67,150$	69 23		70,538	45
ORTVO-		_	RIFUN	67,155	23		67,300	24
CHROM	66,870	18	RIOOZ	70,150	40		70,240	$\frac{42}{46}$
ORTUX		8		70,526	45		70,680	57
	66,840	18	RVZOO	66,104	10		72,394	58
ORVZO-			RVZOO	68,166	29		72,432	58
CHROM		18	RWBOO	66,092	10	SUMIT	72,396	57
ORUXO		8	RWBOO	68,164	29	SUMIT	72,434	58
	65,935	8 18		~		SUMMY	72,440	58
ORXDO ORYCE	65,937	8		$\mathbf{S}$		SUMOR	72,438	58
	66,860	18	SAIOO	66,150	11	SUMOS	72,398	57
	70,830	47	SBUUI	75,052	72	SUMOS	72,436	58
	68,892	37	SCNOO	67,115	22	SUMUS	65,640	6
	68,890	37	SCNOO-			SUMZO	72,442	58
				67,117	22	SUNGO	66,735	17
	P		SCNUU	75,050	72	SUOOQ	66,100	10
Diama	_	0.4	SDOOG	67,015	20	SUOOQ-	00 100	10
	68,725	34	SDUUG	75,058	72		66,102	72
PBAAG	73,860	70	SEROO	66,152	11	BUUAW	75,055	12

Code	Cat.		Code	Cat.		Codo	0-4	
Word	No. F	9 00	Word	No. P	9.00	Code Word	Cat. No. P	0.00
11 01 4	110. 1	age	WOLG	110. 1	age	word	No. I	age
suwoo .	66,120	11	TUUQE	75,230	74	VEARM	72,344	56
	67,535	25		75,215	74	VEBOL	73,648	67
	66,154	11	TUUVE-GL		74	VEBYX	73,665	67
SYNCO .	67,500	25	TVUUR		79	VECOF	73,935	70
			TWOPL	72,166	51	VEDUK	70,825	47
	T					VEFOR	73,638	67
	1			$\mathbf{U}$		VEGUR	73,650	67
TAHOO .	68,480	33				$\begin{array}{c} \mathrm{VEHAL} \\ \mathrm{VEHAL} \end{array}$	70,380	43 45
TBKOO .	70,140	40	UASKU	75,808	78	VEHIG	70,532	45
	75,982	81		76,845	84	VEKAS	70,820	47
TEFIL .	ø79,208	89		70,410	44	VEKIP	73,682	68
	LAS .75,225	74		75,924	79	VEKOT	70,800	46
	66,570	16		75,922	79	VELAN	73,640	67
	66,572	$\frac{16}{16}$	UFEDU-IZU	69,055	37 79	VELTU	70,524	45
	66,586	16		69,015	37	VELYP	70,812	46
	66,588	16		69,020	37	VEOOM	73,040	59
	66,590	16		75,978	80	VEPUT	70,810	46
	66,580	16		69,005	37	$egin{array}{c}  ext{VERBE} \  ext{VERUP} \end{array}$	73,925	70
TIYUU .	75,041	72		69,010	37		73,910	70 46
TKUUC .	75,042	72		68,560	34	VESIR	73,642	67
	65,710	7		69,030	37	VESTA	70,530	45
	75,976	80	UMDOO		37	VETIN	73,645	67
	75,934	80	UMERN	75,075	72	VETWO	73,635	67
	75,980	81	$\begin{array}{ccc} \text{UMEXU} & \dots \\ \text{UMKLE} & \dots \end{array}$	60.025	79 37	VEUUM	75,850	78
	65,700	6		75,076	72		67,020	20
	67,060	21	UNOOB		42		73,920	70
	76,200	81	UPEOB-IZU		79	VIDOM	66,000	9
	72,202	52		69,000	37	VIDOM-		
	66,895	19		75,926	79		66,005	9
	75,930	80		76,820	84			46 9
	75,932	80 79	UUPWD	76,830	84 84		68,148	29
	75,894	79		75,972	80		70,807	46
FFF W. W. W. W. W. W.	75,812	78					73,100	60
	75,200	74		$\mathbf{V}$		VIWOO-	,	00
TUUEM .	75,250	74		V		VAROB	73,105	60
	75,365	75	VABAN	73,165	61		70,600	45
TUUEM .	75,460	76	VADIV	73,440	65	VOBIT	73,208	62
	75,660	77		70,220	42	VOBIT	73,770	69
	75,805	78		73,172	61		75,310	75
	76,840	84		73,150	61		75,315	75
	UUS 75,884	79		72,310	55		75,320	75
	75,810	78		73,000	59		75,300	75
	75,210	74		73,042	59		73,010	59
	75,890	79		73,030	59		75,325	75
	LAS .75,235 LAS .75,240	74		73,120	60		75,330	75
	75,902	74 79		73,400	65 69		75,335	$\begin{array}{c} 75 \\ 62 \end{array}$
	75,205	74		73,800	61		73,215	62 62
	75,305	75		73,170	61		75,340	75
	75,405	76		73,178	61		75,340	75
	75,605	77		73,175	61		73,202	62
	75,800	78		73,160	61		75,350	75
	76,835	84		73,162	61		73,152	61
	75,220	74	VEARM		43	•	73,810	69
							,520	

Code Word	Cat. No. P	age	Code Word	Cat. No. P	age	Code Word	Cat. No. P	age
VOONR .	73,180	61	WINTU .	66.180	11	V		
	73,402	65	WINTU-			Y		
	73,300	63	CHROM .	66.182	12	YOOBN	73,690	68
VOOWI-			WIOOK .	66,175	11	YSOOE	66,103	10
VAROB .	73,310	63	WIOOK .	68,178	29	YSOOE	66,155	11
VOPUL .	73,200	62	WIVOO .	66,185	12	YQH00	70,172	40
VORGI	70,640	46	WIVOO .	68,182	29			
VORSA .	67,305	24	WONDR	73,760	69	Z		
VORUF .	67,310	24	WZCOO .	70,550	45			
VORYM .	73,210	62				ZEKUU-		
VORYM .	73,775	69				ZGUUS	76,930	85
VOSTN .	67,302	24		X			76,940	85
VOTIV .	67,320	24					65,760	7
VOTRA .	67,315	24		72,220	53		65,750	7
VULPE .	73,880	70		72,222	53	ZRIOO-		
	73,890	70		72,382	57		73,680	68
VUTOO .	73,110	60		66,845	18		72,230	53
VUTOO-				65,650	6		72,268	54
	73,115	60		66,718	17		72,302	55
	73,350	64		66,490	15		72,390	57
VYOOS .	73,360	64		66,492	15		70,170	40
				66,494	15		67,010	20
				66,500	15		67,018	20
	W			66,502	15		70,190	42
				66,504	15		76,935	85
	66,110	11		66,508	15	ZWMQX		58
WEISU-				66,512	15	ZWMYY		57
	66,112	11		66,514	15		70,070	39
	73,045	59		66,516	15	ZWTOO	72,300	55
	65,955	9		66,496	15		NO 000	39
	65,950	9		75,962	80	HESUM	70,072	39
	70,555	45		75,964	80		WO 444	FO.
WINKO .	66,170	11	XYTHA	75,966	80	HESUM	.72,444	58

Reprint by MORGAN & MORGAN, INC., Publishers 145 Palisade Street, Dobbs Ferry, N. Y. 10522

# PRICE SHEET — CATALOG No. 1275

## COMPLETE ILLUSTRATED PRICE LIST OF LEICA CAMERAS AND ACCESSORIES

	LE	ICA	CHIME	UWO	AM	D AC	CESS	<b>NIF2</b>	
Page	Cat. No.	Price	Page	Cat. No	o.	Price	Page	Cat. No.	Price
2	65,000	87.00	7	65,710		525.00	11	66,110	8.40
(	65,002	93.00		65,720		105.00		66,112	9.90
(	65,005	39.00		65,730		2.10		66,115	24.60
(	65,008	45.00		65,740		102.00		66,120	6.30
(	65,010	99.00		65,750		30.00		66,150	17.40
	65,012	106.50		65,760		16.20		66,152	17.40
(	65,020	87.00	8	65,920		1.50		66,154	17.40
(	65,022	93.00		65,922		1.50		66,155	1.50
	65,030			65,925		1.50		66,156	1.05
	65,032			65,930		3.60		66,170	10.50
	65,035					7.20		66,175	1.35
	65,037					6.30		66,180	12.60
	65,050					7.20			
	65,052			65,932		8.40	12	66,182	14.10
	65,055					8.40		66,185	1.35
	65,057					9.30		66,240	19.50
	65,060			65,935		10.00		66,244	3.90
	65,062				bout	20.00		66,245	3.30
	65,065			65,937		13.50		66,246	17.10
	65,067				bout	27.00		66,248	13.80
	65,080		9	<b>65</b> ,950		22.50		66,249	1.80
	65,082			65,955		1.80		66,250	12.00
	65,084			65,958		1.80		66,251	13.50
	65,086			66,000		26.40		66,255	13.50
	65,088			66,005		27.00		66,256	<b>15.00</b>
	65,200			66,008		1.35		66,258	.75
	65,205			66,050		10.50		66,260	.75
	65,400	31.50	10	66,052		1.05		66,262	.90
	65,405	13.50	10	66,055		17.40			
	65,408	18.00		66,060		17.40		66,300	3.00
	65,600	69.00		66,062		1.35		66,302	3.00
	65,610	57.00 48.00		66,070		$9.45 \\ 11.55$		66.304	3.00
	65,620 65,630	63.00		66,075 66,080		1.05		66,306	3.00
	65,640	99.00		66,081		1.35		66,315	3.00
	65,650			66,085		10.50		66,318	3.60
	65,660			66,090		10.50 $12.90$		66,320	3.60
	65,670			66,092		.90		66,322	3.60
	65,680			66,100		22.50		66,324	3.60
	65,690			66,102		24.60		66,340	4.80
	65,700			66,103		1.50		66,342	4.80
	65,702	19.50		66,104		1.05		66,344	4.80
9		10.00		00,104.		1.00		66,346	4.80

Cat. No.	Price	
73,860	12.90	
73,863	16.50	
73,870	10.50	
73,880	16.50	
73,890	16.50	
73,910	6.60	
73,915	7.80	
73,920	13.20	
73,925	9.60	
73,930	12.45	
73,935	138.00	
75,000	45.00	
75,010	78.00	
75,018	87.00	
75,022	52.80	
75,025	85.80	
75,030	94.80	
75,038	46.50	
75,040	26.10	
75,041	33.00	
75,042	42.00	
75,044	11.55	
75,045	3.15	
75,046	11.55	
75,047	3.15	
75,048	11.55	
75,050	5.40	
75,052	13.20	
75,055	1.05	
75,058	2.70	
75,060	3.30	
75,065	4.50	
75,070	3.50*	
75,075	3.00	
75,076	1.50	
75,080	39.00	
75,200	69.00	
75,205	5.40	
75,210	74.40	
75,215	107.40	
75,220	100.50	
75,225	116.40	
75,230	108.30	-
75,235	118.35	
75,240	122.25	
75,245	125.25	
75,250	13.80	
75,300	87.00	1
75 205	5.40	

Cat. No. 5,315 5,320 5,325 5,330 5,335 5,340 5,345 5,350 5,365 5,400 5,405 5,410 5,415 5,420 5,420 5,430 5,430 5,435	118.20 134.10 126.00 136.05 139.95 142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	79 80	75,886	33.90 48.60 52.50 55.50 93.00 3.90 4.65 4.80 4.80 4.80	84	76,845	2.40 21.00+ 8.50+ 8.50+ 103.10+ 3.60* 18.00+ 22.00+ 75.00+ 3.60*
5,320	118.20 134.10 126.00 136.05 139.95 142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30		75,888	52.50 55.50 93.00 3.90 4.65 4.80 4.80	85	76,855	8.50† 8.50† 103.10† 3.60* 18.00† 22.00† 75.00† 3.60*
5,325	134.10 126.00 136.05 139.95 142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,890	52.50 55.50 93.00 3.90 4.65 4.80 4.80	85	76,860	8.50+ 103.10+ 3.60* 18.00+ 22.00+ 75.00+ 3.60*
5,330	126.00 136.05 139.95 142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,892	93.00 3.90 4.65 4.80 4.80	85	76,865	103.10+ 3.60* 18.00+ 22.00+ 75.00+ 3.60*
5,335	136.05 139.95 142.95 180.45 13.80 120.00 5.40 125.40 167.40 159.30	80	75,894	3.90 4.65 4.80 4.80 4.80	85	76,870 76,875 76,880 76,910 76,915	3.60* 18.00+ 22.00+ 75.00+ 3.60*
5,340	139.95 142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,920	4.65 4.80 4.80 4.80	85	76,875 76,880 76,910 76,915	18.00+ 22.00+ 75.00+ 3.60*
5,345	142.95 180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,920	4.80 4.80 4.80	85	76,880 76,910 76,915	22.00+ 75.00+ 3.60*
5,350 5,365 5,400 5,405 5,415 5,420 5,425 5,430 5,435	180.45 13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,922 75,924 75,926 75,930	4.80 4.80	85	76,910 76,915	75.00+ 3.60*
5,365 5,400 5,405 5,410 5,415 5,420 5,425 5,430 5,435	13.80 120.00 5.40 125.40 158.40 167.40 159.30	80	75,924 75,926 75,930	4.80	85	76,915	3.60*
5,400	120.00 5.40 125.40 158.40 167.40 159.30	80	75,926 75,930				
5,405 5,410 5,415 5,420 5,425 5,430 5,435	5.40 125.40 158.40 167.40 159.30	80	75,930	4.80		76 020	
5,410 5,415 5,420 5,425 5,430 5,435	125.40 158.40 167.40 159.30	80				10,0%U	6.60+
5,415 5,420 5,425 5,430 5,435	158.40 167.40 159.30	00		4.65		76,930	154.00+
5,420 5,425 5,430 5,435	$167.40 \\ 159.30$		75,932	4.20		76,935	$10.35 \pm$
5,425 5,430 5,435	159.30		75.934	3.90		76,940	11.00+
5,430 5,435			75,938	12.90	86	79,000	72.00
5,435	169.35		75,940	13.50		79,010	75.00
			75,960	3.60*		79,020	69.00
5,440			75,962	3.70±		79,030	75.00
5,445			75,964	4.50		79,040	90.00
						79,045	99.00
					87	79,050	120.00
						79,055	126.00
,						79,060	159.00
						79,070	162.00
		01	,		88	79,075	195.00
		9T				79,080	195.00
			,			79,085	174.00
					89		
			,				
		82			9		7.50
			76,255			79,210	26.50
						79,212	18.75
		83			90	See separa	te
						price sheet	;
					91	79,500	4.00
						79,505	3.00
		84	76,820	21.00+		79,510	.50
5,880	33.00		76,830			79,515	
5,882	26.10		76,835			79,520	
5,884	42.00		76,840	13.80		70 595	1.35
	5,460	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5,460       13.80         5,600       123.75         5,605       5.40         5,610       129.15         5,615       162.15         5,620       171.15         5,630       173.10         5,635       177.00         5,640       180.00         5,645       217.50         5,660       13.80         5,805       13.80         5,808       2.40         5,810       2.40         5,812       2.40         5,827       8.50+         5,830       38.00+         5,850       39.00         84       5,880         33.00       5,882         26.10	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

## E. LEITZ, Inc., 730 Fifth Avenue, New York, N. Y.

Page Cat. No.

72,412

72,413.

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Page	Cat. No.	Price	Page	Cat. No.	Price	Page	Cat. No.	Price	Page	e Cat. No.	Price	Page	Cat. No.	Price	Page	Cat. No.	Price	P	age
_	66,355	6.00	16	66,570	18.00	20	67,027	1.80	28	68,080	24.75	32	68,450	7.80	37	69,040	2.05		45
11	66,358	4.80	10	66,572	18.00		67,029	1.80		68,085	3.30	0.0	68,452	.45	0.	69,042	2.05		20
	66,370	5.40		66,574	18.00		67,031	2.10		68,090	3.90		68,455	2.10		69,050	5.10		
	66,372	6.00		66,580	18.00		67,033	2.10		68,095	1.95		68,458	2.65		69,055	2.10		
	66,378	5.40		66,586	18.00	0.1				68,100	1.95	33	68,460	3.45	38	70,000	46.50		
	66,380	5.40		66,588	18.00	21	67,038	1.80		68,105	$\frac{1.35}{2.25}$	99	68,462	1.95	30	70,010	49.50		
	66,382	5.40		66,590	18.00		67,042	1.80		68,110	1.95		68.465	1.50		70,020	15.30		
	/	5.40		66,620	2.85		67,050	3.90		68,112	3.30		68,480	27.00		70,040	8.40		
	66,384	.30		66,625	3.15		67,060	7.05		68,114	3.30		68,490			70,045	19.50		
	CC 400	3.90	17	66,700	2.10		67,080	1.80		68,115	3.30		,	1.20		,			
	66,400	3.90			2.40		67,082	2.40		68,116			68,520 68,522	12.00		70,050	29.40		
	66,402	3.90			1.50	22	67,110	72.00			5.25			2.35	90	70,055	18.30		
	66,404			66,710			67,115	18.00		,	3.30		68,525	.24	<b>39</b>	70,070	10.50		
	66,406	3.90		66,712	$\begin{array}{c} 1.95 \\ 3.00 \end{array}$		67,117	19.80		68,118	5.25		68,528	.90		70,072	10.50		
	66,415	3.90		66,715		23	67.150	156.00		68,120	6.60	0.4	68,540	.45		70,075	1.50		
	66,418	4.50		66,718	9.00	~0	67.155	12.00		68,124	5.85	34	68,560	.90		70,078	1.75		
	66,420	4.50		66,720	1.80		67,157	12.00	90	68,125	3.60		68,600	12.60		70,080	2.10	4	<b>16</b>
	66,422	4.50		66,725	2.40		67,200	36.00	29	68,126	5.85		68,610	13.80		70,082	2.40		
	66,424	4.50		66,735	3.60		67,210	36.00		68,130	19.50		68,615	1.80		70,120	17.40		
15	66,450	4.80		66,740	5.40		,			68,134	6.45		68,700	1.35		70,122	17.40		
	66,452	4.80	18	66,800	3.00	24	67,300	45.60		68,140	.60		68,710	.36	40	70,125	21.00		
	66,454	4.80		66,805	.60		67,302	45.60		68,142	.60		68,720	3.90		70,128	3.60		
	66,456	4.80		66,810	.90		67,305	45.60		68,144	.60		68,725	.36		70,140	12.60		
	66,460	4.80		66,820	9.00		67,310	8.40		68,148	1.35	<b>35</b>	68,800	19.65		70,142	5.70		
	66,463	7.80		66,825	4.80		67,312	8.40		68,158	1.05		68,810	19.65		70,150	42.00		
	66,465	6.00		66,835	.90		67,315	49.50		68,162	<b>1.35</b>		68,815	3.60		70,155	22.00*		
	66,468	7.80		66,840	.60		67,320	4.95		68,164	.90		68,820	3.60		70,170	33.60		
	66,470	6.00		66,842	.90		67,325	7.05		68,166	<b>1.05</b>		68,840	60.90		70,172	8.40		
	66,472	6.00		66,845	.90	25	67,500	19.50		68,168	<b>1.05</b>		68,842	87.60	42	70,180	8.40		
	66,474	6.00		66,848	.60		67,510	19.50		68,178	<b>1.35</b>	36	68,844	106.50		70,185	8.40		
	66,490	6.60		66,860	.60		67,520	1.50		68,182	1.35		68,846	98.10		70,190	3.60		
	66,492	6.60		66,870	.90		67,530	1.50		68,185	1.80		68,848	120.00		70,195	25.20	4	17
	66,494	$\boldsymbol{6.60}$		66,880	.75		67,535	1.80		68,187	<b>1.35</b>		68,860	42.00		70,200	21.60		
	66,496	$\boldsymbol{6.60}$		66,882	.75		67,550	28.50		68,188	.75		68,862	18.90		70,220	44.70		
	66,500	7.80		66,885	3.00				30	68,295	66.00**		68,864	45.60		70,230	66.00		
	66,502	6.60		66,888	3.60	26	68,000	8.70		68,305	6.90		68,866	56.10		70,240	4.20		
	66,504	7.95	19	66,890	21.00		68,005	12.60	31	68,310	.60		68,878	3.00		70,250	7.80		
	66,508	7.80		66,893	1.35		68,010	10.50		68,320	1.80		68,880	3.90	43	70,325	24.75		
	66,512	7.95		66,895	2.25		68,015	8.70		68,325	2.10		68,882	4.65		70,330	30.30		
	66,514	7.95		66,900	16.35		68,020	9.00		68,330	1.50	37	68,884	1.80		70,350	13.50	4	48
	66,516	7.95		66,903	.60		68,025	12.90		68,340	1.35		68,886	.60		70,355	19.05		
16	66,530	6.00		66,910	3.60		68,030	10.80	32	68,400	4.50		68,890	1.80*		70,370	10.50		
	66,532	6.00		66,915	5.40		68,035	9.00		68,402	2.40		68,892	1.05*		70,380	12.60		
	66,534	6.00		66,918	.60		68,040	12.90		68,405	2.55		69,000	1.05	44	70,390	8.40		
	66,536	6.00	20	67,000	3.90		68,045	10.80		68,407	1.20		69,005	.44**		70,400	1.80		
	66,540	9.60		67,005	8.40		68,050	11.70		68,410	6.30		69,010	.44**		70,410	1.80		
	66,544	7.20		67,010	3.15		68,055	9.75		68,412	3.30		69,015	3.00		70,420	2.10	4	49
	66,550	9.60		67,015	4.20	27	68,060	18.30		68,415	6.30		69,020	2.10		70,430	2.40		
	66,554	7.20		67,018	3.60		68,065	19.50		68,418	3.30		69,025	1.95		70,440	3.00		
	66,556	7.20		67,020	1.80		68,070	23.40		68,420	.75		69,030	.60		70,500	24.00		
	66,558	7.20		67,025	7.05		68,075	26.10		68,430	7.80		69,035	.45		70,510	9.00		
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	near the second					_			
	Cat. No.	Price	_	Cat. No.	Price		Cat. No.	Price	
5	70,520	9.90	49	72,025	21.50+	53	72,238		
	70,522	9.45		72,030	1.80†	54	72,260	139.75 +	
	70,524	15.00		72,035	2.10+		72,262	39.00	
	70,526	14.10	50	72,1002	38.50 + + +		72,264		
	70,530	31.50		72,102	17.50 +		72,266	75.00	
	70,532	12.60		72,104	29.00+		72,268	7.75	
	70,538	4.20		72,106	18.00+		72,270	8.40	
	70,540	12.60		72,108	14.50 +		72,272	374.90++	
	70,550	2.40		72,110	39.00	<b>55</b>	72,290	25.20	
	70,555	.90		72,112	.75		72,292	8.40	
	70,560	2.10	51	72,114	72.00+		72,294	46.50	
	70,570	7.10		72,116	6.40+		72,296	19.50	
	70,580	7.80		72,118	435.65++		72,298	18.30	
	70,590	9.90		72,1301	62.50+++		72,300	10.50	
	70,600	1.05		72,132 29.00+			72,302	7.75	
6	70,610	7.10		72,134	18.00+		72,304	39.00	
	70,620	7.80		72,135	14.50+		72,306	48.00	
	70,630	9.90		72,136	25.20		72,308	75.00	
	70,640	1.05		72,138	21.60		72,309	17.40	
	70,650	.45		72,140	46.50		72,310	3.45	
	70,675	17.40		72,150	19.50		72,311	.75	
	70,680	24.00		72,152	18.30		72,312	23.50+	
	70,682	24.00		72,154	12.00+		72,314	32.00+	
	70,685	.25#		72,156	16.00+		72,315	53.50+	
	70,800	26.70		72,158	21.50+		72,316	38.50+	
	70,802	1.05		72,160	5.70		72,318	467.25++	
	70,805	38.40		72,162	39.00	<b>56</b>	72,340	9.90	
	70,807	1.75		72,164	.75		72,342	24.75	
	70,810	52.50		72,1664			72,344	10.50	
	70,812	3.60	<b>52</b>	72,1801			72,346	8.40	
7	70,820	78.00	0.0	72,182	25.20		72,348	39.00	
•	70,825	1.50		72,184	21.60		72,350	48.00	
	70,830	1.05*		72,186	8.40		72,352	11.10	
	70,835	1.65*		72,188	39.00		72,354	.75	
	70,900	12.60		72,190			72,356	152.40	
	70,912	12.60		72,192	12.00+	57	72,380	25.20	
	70,915	2.10		72,194	5.70		72,382		
	70,920	10.50		72,196	29.00+		72,384	46.50	
8	70,922	17.40		72,198	18.00+		72,386	29.40	
O	70,925	13.50		72,200	14.50+		72,388	18.30	
	70,940	9.15		72,202			72,390	7.75	
	70,942	2.85	53	72,220			72,392	39.00	
	70,950	25.20	00	72,222	5.75+		72,393	.75	
	70,990	10.50		72,224	39.00		72,394	40.50+	
	70,992	1.05		72,226			72,396		
9	72,000	3.90		72,228	75.00		72,398	58.00+	
	72,005	72.00+		72,230	7.75		72,402	15.00	
	72,010	6.40+		72,232	29.00+		72,406	23.50+	
	72,015	12.00+		72,234	8.50+		72,408	32.00+	
	72,020	16.00†		72,236	18.00+		72,410	46.00+	
	• ~, U ~ U	TO.00		. ~,~~0	10.00		, 0	-5.50	