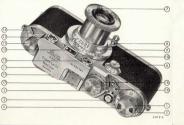


A LEICA IIII with a 135 mm HEXTOR fens and a universal focusing bellows was used for all photographs contained in this booklet. Exceptions are the illustrations on pages 5 and 17, which were made with a 50 mm EUAAR incs. TWIN EYEPIECE of viewfinder and rangelader page 16 W VIEWFINDER WINDOW sege 17 RANGEFINDER WINDOWS (two) 90go 18 RANGEFINDER EYEPIECE ADJUSTMENT page 19 B REWINDING KNOB pages 27 and 33 REVERSING LEVER A - Film ADVANCE position page 33 ACCESSORY SHOE for special viewfinders etc. pege 16 ADJUSTABLE FLASH CONTACT SCALE
with and contact numbers pege 34 FLASH PLUG SOCKET page 35

> You are now ready to practice with the unloaded comero. Continue until you are thoroughly familiar with the instructions given in





These two pages indicate the various parts and controls of the LEICA. Compare the illustration on the left with your camera but do not yet operate any knob, betten or lever.

MINDING KNOB

edvences the film and winds shutter in one operation page 4

AUTOMATIC EXPOSURE COUNTER poge 4
 SHUTTER RELEASE poge 4

for speeds from Vas sec. to 1 lass co. and "Bulb" page 6

SLOW SHUTTER-SPEED DIAL
for speeds from Vas sec. to 1 sec. and "Time" page 7

☐ IRIS DIAPHRAGM ADJUSTMENT poge 11

poge 11

FOCUSING LEVER WITH INFINITY CATCH page 12

DISTANCE SCALE poge 12
 DEPTH OF FIELD SCALE poge 15



After Asserting with \$1m.



THE EXPOSURE COUNTER motically registers the number of exposures provided it was set to 0 when the new film Si-clockwise direction, independently of the

THE FILM TYPE INDICATOR

on the winding knob is set to the type and speed of film used and a new adjustment made whenever the comera is loaded with different negative material. Film speeds are shown in ASA and Weston Exposure Index



To set the film type indicator, lift the milled edge of the winding knob. For black-and-

white film turn it in the direction of the engraved arrow and let it drop into place at the correct setting. The lettering will then be in white on black. For colour film lift the milled edge and turn as far as required against the direction of the arrow. The letters ASA and Weston are then in white on red, which shows that the camera is loaded with colour film. The speed figure itself is always white on black

The winding keeb is also available with a film type indicator for DIN and ASA speed values.

SETTING THE SPEED DIALS



they see good so on. The sneed is set offer and turning it until the desired finure folls apposite the arrow. It is then allowremains open as long as pressure on the release button is maintained. When the the position occupied before release. The



dial need not, therefore, be adjusted unless a different speed is required. When exposures longer than Valsec, are

required the slow shutter-speed dial is brought into play as indicated overleef.

A FAST SHUTTER-SPEED DIAL

The accounted figures are the departmentary

e a 50 indicates like sec 2000 signifies



the slew-speed dial must be first set to red figure 25. To make exposures lancer A SLOW SHUTTER-SPEED DIAL

Refore setting this dial the top dial of the LEICA III f must be set to the sed index 25.1 This is most important. The figures on the slow-speed dial can be read from above and provide for exposures of Yes, Yes, Yes, Ye, Ye and I sec.

This range also covers speeds intermedigte between those marked; thus, set half-way between 1/2 and 1 sec., the shutter yields an exposure of 1/4 sec Intermediate speeds are not possible in the faster exposure range. When the open until the slow-sneed dial is turner slow-speed dial at the "25" position as shown on the next page, when slower

SETTING SHUTTER SPEEDS - Summary:

Short Instantaneous Exposures in from Viz to Vise sec. 1. Set slow-apeed died to 25. 2. Wind shufter, I'll feet-apped

Stew Instantaneous Exposures: Vm sec. to 1 sec. 1. What shuther and set topspeed diel to 25-1. 2. Set show-speed diel. Rried Time (84th) Exposures: 1. Set slow-speed diel to 25.

Briof Time (Belb) Expenser

1. Set slow-speed diel to

2. Wind shutter and set
top dial to 8. The shutter
will remain open so
long as pressure is
recistaized on the
orderore.

Time Exposures:

1. Wind shutter and set top speed dial to 25 – 1.

2. Set slow-speed dial to 1 to 1.

e stratterepens when recours is applied to e release button and remains on until the slow-speed diel turned slightly back. To release stor-speed died, press spring catch towards the comera with the thorsb-



THE STANDARD LENS OF THE LEICA

is the world-famous ELMAR having a maximum operture of 1/3.5 and a focal length of 50 mm.

The wide range of ELGA sinse it is the corrected to ensure optimum definition. Its operture is stillificially wide for all but exceptional purposes.

The SILMANTAR (7) is at the same focal length.

but passes three times as much light as the ELMAR of full operture. As is to be expected it is larger and heavier than the standard lens. It is intended for the experienced LEICA photogropher for use under difficult lighting conditions.

Both ELMAR and SUMMITAR are fitted with

collapsible mounts, the berrel sliding into the camera body when not in use. The lens is drawn out and locked in position by a slight clockwise turn, and returned to its collapsed position by reversing the movements.

> Routine Practice: 1. Draw out! Lock! 2. Unlock! Push book!



A blaish sheen characterises the "coated" or "bloomed" LEICA Jennes. The coating, by reducing surface reflection, minimizes loss of light and markedly improves the brilliance and contact of the picture.

CHANGING LENSES

All LEICA lenses are interchangeable and will fit any LEICA camera (except very early models). To change a lens hold the camera horizontally, lens pointing upwards, in the let

and with the right hand grasp the lens close to the camera



When the lens is detached the shutter is visible. It is stath uneffected by temper store, while its flexibility Sange opening will be seen

rangefinder. It is occupted by a helis on the lens barrel. from the true and much in the shedow of the body. When corrying extra leases. the front component.

IRIS DIAPHRAGM ADJUSTMENT

vice versa. The "ounil" of the obotographic last light-passing value of a lens is governed by its focal length to the diameter of the "pupil", and

focal length three and a half times as large as the die same f-number pass the same amount of light for the

It is customary to graduate the aperture scale on photographic lenses so that the values vary in a 2:1 ratio, Thus. stopping down one division demands a doubling of exposure time, other conditions being equal.

The following table shows the relation between operative value and exposure time:

Less operture: 1.4 1.5 2 2.8 (3.5) 4 5.6 8 11









IENS APERTURE

A FOCUSING THE LENS

and EVECSTIRE TIME

All LEICA leaves bowing a focusion lever are automatically locked at the infinity (so) position. To release the lever for focusing on nearer subjects press the keep at the and of the lever

Assuming on exposure time of shearn setting of \$15.6, the ex-On the other hand, if the stop differences in the exposure times used, especially somewhat longe correct exposure times should

EIMAR SO mm and SUMMITAR SO mm January have colleguible mounts. The Jens before focusing (See none 9.) O DISTANCE SCALE Normally actual distances do not inter-

est LEICA photographers as focusing is effected by the rangefinder. The distance scale, therefore, is of importance only when referring to the depth of field scale described on page 15.





1. Objects most sharply defined are those at the

distance at which the lans is focused. Therefore at ways focus carefully on the centre of interest of the subject.

2. Snapshots: Stop down to f/5.6 and focus on principal object. The depth of field will usually be sufficient.

3. Long distance views without foreground interest: Set lens to infinity and stop down to f/5.6 or f/8.

4. Landscapes with foreground: Stop down so that the depth of field scale indicates a range extending from the foreground distance to infinity.

5. Portraits: Use full lens aperture and focus accurately on the eyes. The sitter should be sharely defined and the background subdued by being diffused.

The Second Index Line graphy. First focus accurately way, then edited the less nisters with the distance indicated by the rangefinder setting. Exceptions: When working with wide annie lanses, so special adjustment



DEPTH OF FIELD SCALE

An object is most sharply defined in a photograph when it lies at the distance on which the lens is focused. Definition would gradually deteriorate if the object were moved negrer the camera until a point would be reached when dethe nearest plane and the furthest plane at which objects are sufficiently sharply defined is known as the "death of (often erroneously called "depth of focus"). It varies with the distance focused upon and the aparture of the The negrer the principal object and the larger the stop of the lens the shallower the depth of field and there- FA

A scale on LEICA lens mounts enables the depth of field to be read at each operture and each distance setting down to 3.5 feet. Objects at distances between those indicated on the scale will be sufficiently sharply defined

Example: With a standard focal length of 50 mm, when

With the fers stopped down to 65.5 it will extend from







VIEWFINDER and RANGEFINDER:

M TWIN EYEPIECE

This carries the evenieces of both viewfinder and rangefinder so that only a slight movement of the head is necessary when changing from one to the other.

Correction lesses can be fitted to the twin evenience. engbling users with defective evesight to operate the LEICA without glosses. Such lenses are made to the user's



The built in viewfinder indicates the view embraced by the standard 50 mm, lenses. When lenses of other focal lengths are in use, the universal viewfinder, which fits into the accessory shoe (17), must be brought into use.

The viewfinder of the LEICA If is detectable since this corners often serves special purposes, i. e. scientific photography, where other methods of observation are advantageous (micro-attachment, reflex housing etc.).

Place the eve close to the twin eveniece. Core should be taken to look squarely through the restre of each eveniece.

THE VIEWFINDER of the LEICA If is of the reflecting type and can be used to good advantage on models II f and III f.





As the field covered by us of both eyes, the of view without the risk



the black cloth is now replaced by

on that distance





How the Coupled

As the less is focused, the backward one

OF RANGEFINDER TELESCORE The accuracy of the LEICA rangefinder is augmented by a built-in telescope of the small lever (14) it may be for cused on distant objects. It will also compensate for slight eyesight defects (between -2 and +1.5 dioptres).

To demonstrate the operation of the engaged adermiddle finger of the left hand. Look centrally seen in a small circular field. Adjust lawer (14)

When weeking at short distances it is arbitrable To ashance the colour differentiation of the

mount can be fitted to the left window (11)



HOLDING the LEICA:

Grip the LEICA with the right hand so that the rounded end of the baseplate rests in the palm. The index finger should rest lightly on the shutter release button. It is important that the camera is cupped in the base of the palm counteracting the pressure of the finger on the release. The other end of the comera is grippe in the left hand, with the index finger on the focusing lever. Hold the comera steadily against the head with the twin eveniece immediately in front of the eye. Press the elbows to the chest and stand with the feet well

Press the release button gently but firmly, taking care not to jerk. Apply pressure with the forefinger only and maintain pressure until the shutTHE WRONG WAY:

The comera is not held firmly and may give way to the pressure on the release button when not cupped in the base of the palm. The result will almost certainly be a blurred picture. In addition to the method of holding the EICA described on page 20, experienced wars hold their breath at the moment of release.

Some enthusiasts boast that they are oble to hold the comera steady for a whole second. However, it is always safer to set the camera on a firm support when using exposure times of the slow speed dial, i. e. shutter speeds between 1/23 and 1 second.





VERTICAL PICTURES:

Grip the LEICA with the right hand with the thumb on the release button and the fingers exerting counter pressure. The upper end of the comero is grosped with the left hand, one finger of which operates the focusing lever. The top of the comera should rest against the forehead. Thus held, the comerce can be operated without the comerce can be operated without

jerking.
Slow-speed, hand-held unapshots are not difficult.



THE SECOND METHOD

of taking vertical pictures, popular when changing from horizontal to vertical position or vice versa. Grip the LEICA as described on page 20, then turn to the vertical position.

. . . If ingenuity is celled upon





FILM CARTRIDGES, SPOOLS, CASSETTES

The principal manufacturers supply 35mm, perforated film as used in the LEICA in various degrees of sensitivity etc, and issue the following:

Doylight Loading Cartridges which are simply inserted in the careera in daylight in the same way as LEICA film cassettes.

Daylight Leading Spoals which costain of a stendard length of lifes with opeque paper leaders and wound on a centre spool. Directions for use one supplied with the spools.
 Daylinger leading Spoels which contain ready-trimmed lengths.

the dark-room.

4. Bulk Supply. This is available in lengths of 5, 10, 15 metres and upwards. In the darkroom the required length is cut off, landed jate the LECA capates and brimmed upon cost on.

The Ever-Roady Case: The LEICA is best kept and care

EICA is best kept and carried in the cody case. To remove the LEICA whee taking vertical pictures care should be taken that the brigged parties does not seem the best on services of the fear.







LOADING the LEICA

The fact that exposures as short as 1 lieu or 1 lieu sec. can produce successful pictures is sufficient indication of how minture on amount of light may offect a film. LEICA cassettes and daylight loading activities of cartridges are light-light but even so, they should never be exposed to direct sunlight. Always load and unload the camera in the shodow of the body in the character of other light projection.

Before opening the LEICA make sure that the film has been rewound into its cassette. If there is any doubt about the camera being loaded, pull out the rewinding knob [15] and turn it in the direction of the arrow. If resistance is felt the camera is loaded and the film should be wound back into the film cassetter.



TO LOAD THE LEICA-

1. Before inserting a new film cassette. set reversing lever (16) to A (Advance). Wind and release the shutter to make sure that it is in order. Wind the shutter

again but do not release it. 2. Open the camera by raising the locking handle on the baseplate and

and "ZU" (clase).) 3. Remove the take-up spool from the

(Some models are marked "AUF" (open)

turning to "OPEN" and lift the basepla

shown in the illustration.

4, Place the LEICA on the table as



28

LOADING THE LEICA

5. Hold the take-up spool in the left hand and the loaded film cassette in the right. Both knurled heads should point downwards (see illustration). Insert trimmed end of the film under the clamping spring of the take-up spool as far as it will ao. The perforated edge of the film should abut the spool flange.

6. Draw the trimmed leader strip from the film cassette slot until two (but no more) perforations on the trimmed edge of the film are visible. (See illustration page 30) The curved mark on the outer shell of the LEICA cossette indicates the correct position of the film.





LOADING THE LEICA

The safety spring of the standand LEICA film courette should always lie in this corner.

With properly trimmed film no more than two perforations should be visible on the trimmed



Check the noth of the film by

7. Introduce the take-up spool and film cassette into comera simultaneously, knurled heads pointing up wards. The trimmed film will then enter the slot along the back of the camera. If the cassette will not drop right down, turn the rewinding knob (15) slightly.

this diegram, the employen side



8. Hook the baseplate over the pin, close it and turn the lacking handle to "CLOSE" (or ZU). The camera is now light-tight.

Q Tues the serviced back (15) 7. Total line reward knob (15) by the server until a dialet by the driow billi a signi tighten the lander stein Brees the release button (3) and turn winding knob once gonin.

anticlockwise to 0 release shutter and again turn the winding knob. While the wind ing knoh rotates clarkwise the sowind knob should turn in the connecte direction to the arrow, viz. anticlackwise. This will indicate that the film is travelling properly. The exnoture counter will now be pointing to 1 and the LFICA

is ready for use.

Make Clarker and bear acceptable to select

it may disensage from the take-up spool a may assengage from the take up spoot cognized by the rewind knob failing to rotate while the winding knob is being turnad. The film must be re-invested, first set reversing lawer (16) to P then turn remind knob (15) in the direction of the orrow only to long at the release button contigues to rotate. When the letter regres to rotate the film will have narred the release shaft and only a very short length will be protruding from the mouth of the cassette. Should the end of the film be drawn into the cassette it will be necessary to an into a darkroom to withdraw the leader

UNIOADING THE LEICA

When the full length of film has been associated When the full length of him has been exposed it will be impossible to turn the winding knot offhout exerting undue force. If will be nece set to 1 or the shutter might be open and the film

- 1 To reload the camera set the re versing lever (16) to R (Reverse). This
 - 2. Pull up the rewind knob (15) and turn in the direction of the arrow rote that the film has been unwound from the take-up spool and is being resistance, and after two complete

wound into the cossette



rewinding and step as soon as it ceases

3. After rewinding the film the baseplate may be removed and londed cossettes from dust and nht by storing in the original

FLASH SYNCHRONIZATION

The LEICA has provision for flash synchronization at the various shutter speeds. An adjustable contact scale [18] with red figures is fitted under the fast shutter speed stal [5].

The contact scale allows of adjusting the builtin shutter synchronization in accordance with the flosh peak of all commercial types of flash

bulbs and also electronic flashes.

The appropriate setting of the contact scale for any exposure time required is taken from the Tables printed on pages 38–39. Similar folding Tables are supplied for

retention in the ever-ready case. The circular plug socket to take the connecting cable of the flesh attachment is built-in at the right hand side of the twin eyepiece of the rangefinder and viewfinder.

Special attention is drawn to the fact that these Tables are only valid for cameras with RED contact numbers and distance calculation in FEET. Special tables are available for earlier III f cameros with BLACK contact numbers.

The camera plug held in a harizontal position and width the arrow engrewed on it pointing towards the twin engreyepiece is pushed into the flash socket [19] of the LECA. and secured there by twrining if downwards so that the arrow now points to the top. To remove the plug, turn it so that the arrow is harizontal again and pointing to the twin exempts.





The LETZ Each attractment is fitted to the occursery show of the common or to the shore of the conductable bolder for the float includes. The voil consists of the battery consister (1) soft voil consists of the battery consister (1) soft of the connecting could, begind through the consister of the connecting could, begind through (2), details, which holder for large float bushlaw with E. S. cap (4, outputs (2)) with occlude price (a) for result floatbolds with S. C. C. cap, reflector holder (2) and collegishing to regulate of reflector (a), and connecttion (collegishing through violence) and connections.

The battery container includes an adapter (9) with tubular capacitor and with holder taking a small commercial 22.5 valt dry battery (commonly used

Successful firing is guaranteed by the capacitor. The adapter with copocitor can be fitted, without modification, in piece of the battery helder supplied with earlier flash ortechments. The flash bulb socket (4) is detached by a slight left harmost similarly replaced by a right hum.

The current supplied by the battery, even after long use, will still be sufficient for firing. Ignition is, therefore, practically independent of the condition of the bortery as long as it is not completely exhausted. The copacitor is charged by inserting the flash bulb or the test filament bulb (6 valts, 0.05 amps). No bulb should, therefore, be kept inserted it has finish exhaustered is an in less.

The halder far flash builts with E. S. cop (4) takes the adopter (5) for the smell flash builts with S. C. C. cop. This adopter is horsed ustil in pira engage the springs of the halder and the red dots an either part are in allgement. By pressing the knob (4) of the spicing device the half built can be ejected invendantly effer

The cellapsible reflector is so ortached to the helder with click stops (7) that the flash bulb is in the centre of the reflector. Endisk and swince of the netlector are designed to protein on plenning soft lighting covering a wide angle, so that the 35 mm, wide angle less can also be used for flash photograpsh. With the reflector disk the flash completes on swince or minimum or large.

One or more house state times are not one consider to the symptomistics LEICA and first disressionally on various distances (mousted on tripeds) to give special lighting effects. In this case a long connecting cable and multiple spotal have to be used with the normal fresh attachment cable.



Exposure Guide for LEICA-Comeras with RED Flash Synchronization Scale

90

145

200

5 0 70 40 50 25 20 30 50

70

on films of medium second 17/10" DEN 178

35 25

1. Adjust red scale of synchro-diel below the CONTACT NUMBER given in the tobic for the

Bulba

for

Plane

145 European Scheiner, 27 8. S. & A. S. A. Logo-3. Correct the less disphroom setting when using 2. Look on the GUIDE NUMBER for the first holds high-speed or slow films by changing to a

blaher or lower stop number. A change of one stop is required for a speed difference of 3/10" DIN, (3" Scheiner or 3 8. 5. & A. 5. A.

Consult special table for LEICA IIIf with BLACK contact scale.

Firsh bulbs specially made for focal plane shutters.

slightly uneven illumination of the reactive may be coused, especially with short exposures. The greats supplied by the makers of the bulbs. To adviseble. This is specially important with photo-

areats are being made and therefore on in-Example: quide number 55 and distance 10 feet require 65.6, so that under the above circum-

Flash Settings for the synchronized LEICA with

Press 40 Osrom S 1 10 115 11 80 6 65 4 60 Phillips PF 55 11 125 12 105 6 RS 4 RD Phillips PF 25 9 95 10 75 5 55 Phillips PF 14 9 60 10 55 5 35 Phillips PF 3 9 50 10 35 5 25

Ouram XP 1 50 5 45 20

To use this table consult Directions 1, to 3, as

Simplified Testing Method for Built-in Flash Syndhronization.

The couse of failures is usually found outside the conserve. The voltage of batteries may have dispepted by loss storage so much that there is no ignition of flash bulbs. The syndrovization is cheeked as follows: the two-pin plug of the connecting colds is inserted into the floath attachment filled with a test flammer bulb or connected to a torch bottery with a flammer bulb is resisted consection. The flammer bulb is resisted in the point of the plug, while inserted in the socket, are shorted. To set that colds the connect ouls on the other and off the content oul so not the other and off the content oul so not other and off the content oul so not other and off the content oul so not offer that of the

For extually checking the LECA synchronization, pash camera plug into the socket of the LECA and that strains contact with whoten dmain contract on follows: What strains contact with whoten dmain contract on follows: What shall shall the strains of the strains

For checking the various contact settings of the synchronization, set shutter speed and synchrodial as follows:

Shutter speed	1000	500	200	100	75	50	25	
Synchro-dial	0	1	2	5	7	13	19	

The shutter proted did is held firmly und the release butter presend down. No content, the held does not light up. Them the heater proted did is indived to revolves slightly. Content is established, the hold highly up. On resideng the shutter speed did in a diverse of the content is established, the skell highly up. On resideng the shutter speed and the professional in a stabilished. In one difficulty with electricis flexing in a stabilished, to see difficulty with electricis flexing in a socialished to have when the stable in the same play is pushed in popular. The tax voltage sloud be seen terme then 250 volts, the insolitoring resistance of least and the same play is pushed in popular. The tax voltage sloud be seen terme then 250 volts, the insolitoring resistance and least the same play is pushed in this case of does not content that the same play is pushed to be sold to see the same than 250 volts, the insolitoring resistance and the same play is pushed to be sold to see the same time to be sold to see the same play is pushed to be sold to see the same play is pushed to see that the same play is the same play in the same play is pushed to see that the same play is pushed to see that the same play is the same play in the same play in the same play is the same play in the same play

CHOICE OF FILM MATERIAL:

A wide variety of films of differing speeds

detail is required and length of exposure

doublis	n of	speed. I	n the	other	EVEN	m.	doub	lina of
peed	gure	deectes	0 6	oublin	g of	the	film	speed.

CORRECT	EXPOSURE:

A good exposure meter greatly simplifies exposure problems, but even without a meter, it is possible to previous experience. From the start, make two different subjects.

When estimating exposures bear in mind that in a photograph bright objects appear relatively brighter, while dark objects appea darker than they do to the eye. This is because the eye adapts itself to the prevailing light. When making a visual estimate of an exposure, therefore, until extensive experience has picture giving one third of the estimated exposure. In dull light make a duplicate exposure

giving 3 to 5 times the estimated time. above applies to black-and-white film Colour film has little exposure latitude and

68.611 No - Va Outdoor Portrait he above exposures are for medium spec

the use of an exposure meter is recommended

THE INTERCHANGEABLE LEICA LENSES

are affered in a large variety of types ranging from wide-angle to telephoto, ensuring excellent results in all branches of amateur photography and most specialized professional work.

Average requirements are often wholly satisfied by one of the 50 mm standard lenses while extra lenses open up many special photographic possibilities.

General Purpose Lenses:

ELMAR 50 mm. 6/3.5 [1], SUMMITAR 50 mm. 6/2 [2] Ultro Speed Lenses

Wide-Angle Lens:

SUMMARON 35 mm. 1/3.5 (8)

Long-Focus Lenses:

ELMAR 90 mm. 1/4 (6), HEKTOR 135 mm. 1/4.5 (7)

Telephoto Lens: TELYT 200 mm, 84.5 (8)

The TELYT 200 mm, can only be used in conjunction with the mirror reflex housing (F), which also takes the HEXTOR 135 mm, when fitted with a short

THE LEICA LENSES





THE UNIVERSAL VIEWFINDER

is designed for lenses of 35 mm. up to 135 mm. focal length and presents the fields revered in natural left to right and vertical orientation, the field disphragm being operated by a milled ring with click stops. A producted lever provides the

be made of the 135 mm. lens for which o





THE MIRROR REFLEX HOUSING is intended for viewing and facusing directly on a around alass screen with the eid of a 5x megnifier. This device is arimarily designed for forusing special short focusing mount is available. (For sports photography with the 200 mm. less o





THE UNIVERSAL FOCUSING BELLOWS In conjunction with the mirror reflex housing and the 125 mm.

less (used without its exempl focusing mount) offends continuous facusing from infinity down to scale 1:1 (netwal size). Other scales of reproduction, i. e. magnifications up to 6:1 on the negative, less shade is most effective, particularly when using artificial sources of light or photographing against the sun.







cely screen off direct sun and other extraneo light but prove very advantageous when phoi graphs have to be taken under adverse weath conditions as they will protect the front le

PILTERS OFF PRODUMENT

and improve general picture quality. For all LEICA leases yellow, grees, arange, red, UV protective, and polgrizing filters are supplied.



enables the LEICA user to focus the 50 mm. ELMAR or SUMM/IAR lens for distances between 17 inches and 31% feet, parallax being outcomolocity companyated. Even in this range sets is made of

the coupled rangefinder of the LEICA III of THE BALL-AND-SOCKET TRIPOD HEAD

allows the comere to be adjusted easily and rapidly when toking photographs with the old of a tripod. The heavy design ensures reliable classics with ory LEICA cetts.



AUXILIARY SETTING DEVICES

vide inexpensive mechanical means for copying or similar closeup work. Focusing for scales of reproduction of 1:4, 1:4 and 1:9 (approx. fields 4"x5", 5"x8"y" and 8"y" x2"). Is achieved mechanically by 4 extending rods and 3 intermediate adoptives fitting between comera body.



collars, 4 extensible rods and a universal clamping collar gives negatives at the scales 11.5, 1.2 and 1.5 (Only suitable for ELMAR 50 nm, codeword BEMOO the auxiliary setting device for scale 1.11, i. e reproduction in natural size on the film, is mode

ELMAR or SUMMITAR (codewords BELUN one BELUN-HESUM).



Developing Tanks

ore available for daylight work, (for example the LEITZ-RONDINAX Tank) and also in simple, less expensive forms for use in the darkroom. The latter tanks are made for 500 and 300 cc. (16 azs \$ 10 azs).

Small Negatives

LARGE PICTURES

It is not only economical for the LEICA photographer to develop and enlarge his own negatives, but it enables him to utilize to the fullest extent the pictorial possibilities of his subjects and to express individuality in his natures.

Enlargers

THE FOCOMAT ENLARGER is fitted with an automatic focusing device to ensure maximum sharpness of every enlargement without tedious adjustment. It renders enlarging as simple as contact printing.

50 mm lenses ELMAR or SUMMITAR may be used in the FOCOMAT and also in the VALOY enlarger which is a simplified form, focusing being non-





OMBS WITZLAS

The brillience of LEICA photographs projected on to a screen makes for lifetile presentation and most ingressive demonstration of the LEICA photographer's wast for entherbismore, feeching or many other purposes. The LUTZ PRADO projecton 136 & 250 one the ideal equipment for shewing block-see white one colour firm in

NEVER TRY

to repair a LEICA if by any chance it has become damaged. Always take it to an authorized LEICA repair service. The LEICA is built by specialists and only specialists should be entrusted with its repair.



EVERY LEICA and EVERY LEICA LENS





be known. Make a note of all serial numbers and carefully preserve it for reference in case of loss. It may help to recover a lost or stolen camera or lens. If you furnish us with the necessary details, all our technical services will be notified and will retain

FOR MORE THAN TWENTY-FIVE YEARS

by LETTZ are averanteed for tools and testing equipment required. We cannot be held fects coused by accessories

Special attention is drawn to

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