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# *Auto* **EYE**

INSTRUCTIONS

PUS





Since 1919 the Olympus Optical Company has manufactured high precision optical instruments. The camera you now own, the Olympus Auto Eye, is the culmination of over forty years of research, development, and manufacturing experience that has made the Olympus organization one of the world's four largest producers of optical and camera equipment. The Olympus Auto Eye is, without a doubt, the most advanced of all fully automatic 35mm cameras today. Incorporating all of the latest developments in optical and mechanical features, the Auto Eye brings you the exclusive Universal Automatic Diaphragm—the world's most remarkable feat of camera automation yet developed.

Both the professional and amateur photographer will welcome the precision operating simplicity and versatility of the Olympus Auto Eye. This amazing camera combines *Full Automation* with outstanding performance—perfect pictures with push-button simplicity under any light condition—*plus Automatic Flash Setting and Complete Manual Control.*

The following instructions will show you just how simple it is to obtain excellent pictures with your automatic Olympus Auto Eye.

## SIMPLIFIED PROCEDURE FOR NORMAL DAYLIGHT PHOTOGRAPHY

1. Load camera with film (black-and-white or color).
2. Set ASA Setting Lever to ASA speed of film in use (ASA 10~800).
3. Set Shutter Speed Dial (1/60th or higher for hand-held pictures).
4. Cock Rapid Wind Lever.
5. Set Distance Scale to "Close", "Group" or "Scene".
6. Compose picture within Luminous Golden Frame.
7. Press Pre-Vu Button down. If a white number appears, release Pre-Vu and slowly depress Shutter Release Button until Shutter clicks.
8. Important—for automatic meter operation, the knurled wheel on the Flash-Matic Dial must be set at "A".
9. You have now taken a perfectly exposed picture—automatically.



# SPECIFICATIONS

- Lens :** D-Zuiko 4-element f/2.8, 45mm.
- Distance Scale :** 3.5, 4, 5, 7, 10, 15, 30,  $\infty$  (feet).  
Plus, three click-stop settings of :  
CLOSE, GROUP, and SCENE.
- Shutter :** Copal SV, MX full synchronization.  
Speeds B, 1, 1/2, 1/4, 1/8, 1/15,  
1/30, 1/60, 1/125, 1/250, 1/500 sec.  
Built-in self timer which is actuated  
by Shutter Release Button.
- Exposure Meter :** Built-in, fully automatic—self-  
adjusting diaphragm. Film speeds  
ASA 10 to 800.  
Light-Value 8-17 at ASA 100.
- Filter and Booster Compensation :** Alternative posi-  
tions on ASA Settings Lever allow  
for compensation when using fil-  
ters or booster or for special  
lighting effects. Light Value with  
booster 7-17 at ASA 100.
- Low Light Indicator :** Yellow band appears in  
indicator window when light condi-  
tions are too low to effectively  
operate light meter. Accessory  
Clip-on booster is available to

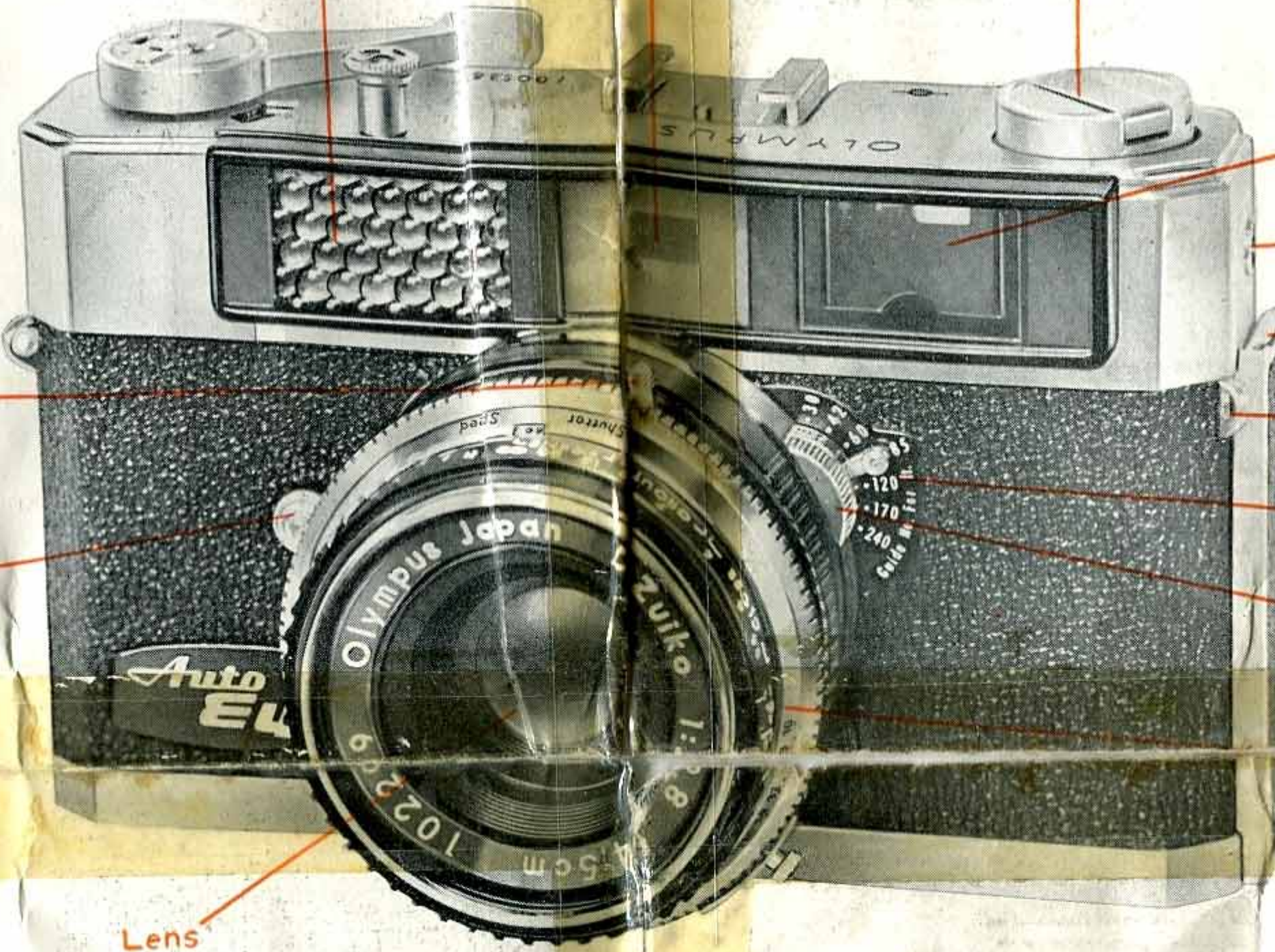
- Focusing :** increase sensitivity of meter for  
extra low light level photography.  
Super-imposed, coupled range-  
finder. Front lens rotation focus-  
ing.
- Viewfinder :** Luminous Golden Frame with auto-  
matic horizontal parallax correc-  
tion 0.7  $\times$  magnification.
- Film transport :** Single-Stroke, Rapid Wind Lever  
simultaneously cocks shutter, ad-  
vances film, counts exposures and  
prevents double exposures. Ex-  
posure counter automatically re-  
turns to "S" (start) position when  
camera is loaded.
- Film Rewinding :** Fold-Away Rapid Rewind Crank.  
Rewind Button remains depressed  
until all film is rewound. Then,  
automatically resets itself.
- Flash-Matic :** Knurled wheel adjusts diaphragm  
to correct exposure for flash shots  
at distances from 3.5 to 30 feet.
- Size :** 5<sup>1</sup>/<sub>4</sub>"  $\times$  3<sup>1</sup>/<sub>4</sub>"  $\times$  2<sup>7</sup>/<sub>8</sub>"
- Weight :** 1 lb. 6 ozs.

# Auto Eye

Photo Electric Exposure Meter Window.

Luminous Frame Rangefinder Window

Fold-away Rapid Rewind Crank



Self-Timer

Pre-VU

Lens

Viewfinder window

Booster Socket

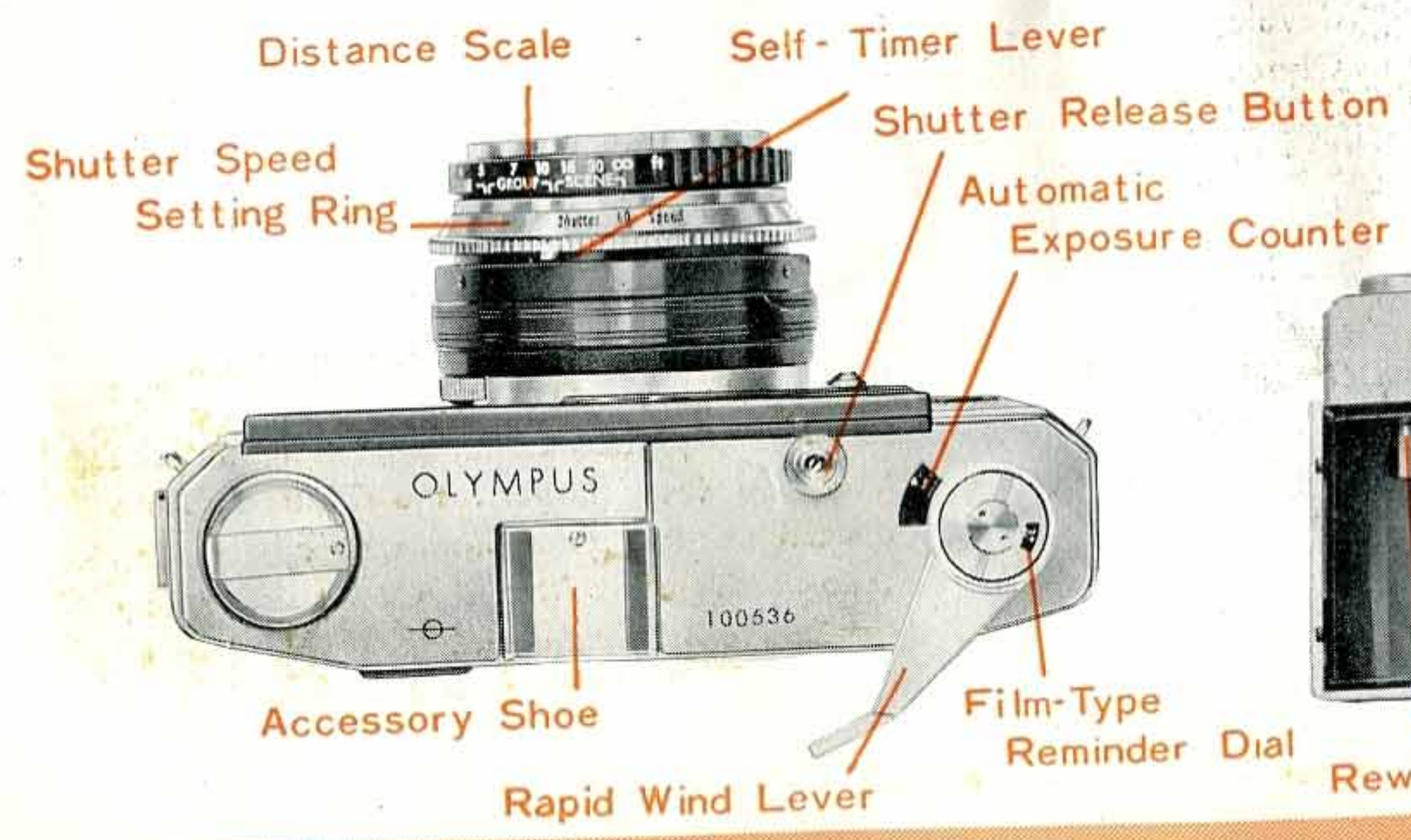
Back Cover Latch

Neck-Strap Eyelet

Flash Guide-Number Scale

Knurled Wheel for Flash and Manual Settings

Shutter Speed Dial



Distance Scale

Self-Timer Lever

Shutter Speed Setting Ring

Shutter Release Button  
Automatic Exposure Counter

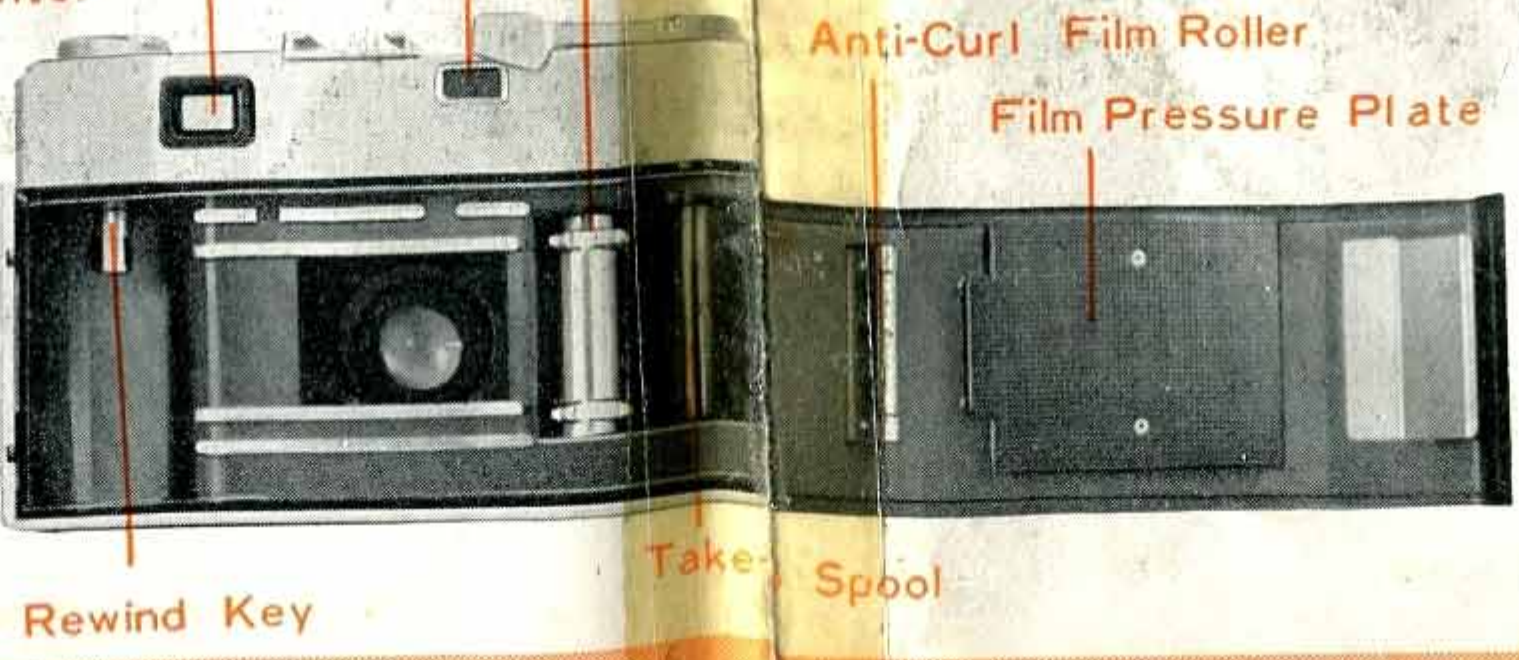
Accessory Shoe

Rapid Wind Lever

Film-Type Reminder Dial

Range Viewfinder Eyepiece

Low Light Indicator  
Sprocket

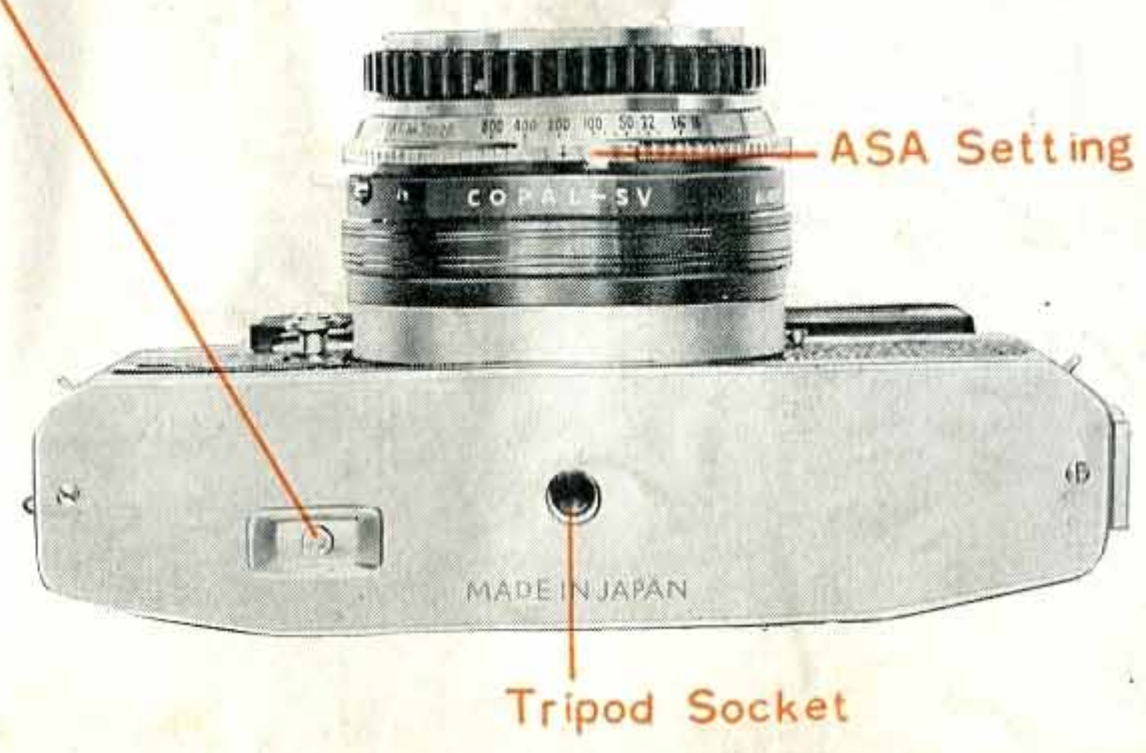


Rewind Key

Anti-Curl Film Roller  
Film Pressure Plate

Take-Spool

Rewind Release Button



ASA Setting Lever

Tripod Socket

## FILM LOADING

1. Raise Back Cover Latch ; back will swing open.
2. Hold camera as shown in (Fig. 6). Insert end of film into slot in take-up spool.
3. Push up Rewind Key and place film cartridge into chamber. Secure in position by returning Rewind Key to original position. Turn slightly until slot in Rewind Key engages with film cartridge.
4. Important : Advance Rapid Wind Lever slowly until both sprockets engage with film perforations.
5. Close self-locking back cover.
6. Cock Rapid-Wind Lever and depress Shutter Release Button. Repeat these operations until Exposure Counter registers 1. You are now ready to begin taking photographs.





## SETTING THE FILM SPEED (ASA)



Located on the Shutter Speed Dial is a scale from 10 to 800 ASA and an adjustable ASA setting Lever. Apply slight outward pressure to ASA Setting Lever and set white dot to required film speed (as shown on film package).

### Exposure Compensator

1. Set "+" at ASA Film Speed when very bright light is behind the subject, and when booster is attached.
2. Set "-" at ASA Film Speed when subject is very light and foreground, or surroundings, are dark.

## RAPID-WIND SYSTEM

When in the ready position, at an angle of  $25^{\circ}$  to camera the Rapid wind Lever can be wound quickly and easily with the thumb. A single-action swing of the lever through  $120^{\circ}$  advances film, cocks shutter, counts exposure. This rapid wind system prevents accidental double exposure, since shutter cannot be cocked without film being advanced.

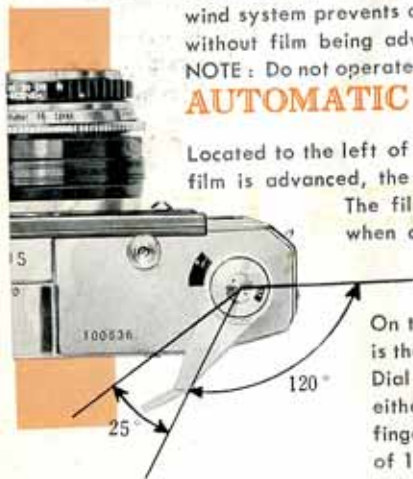
NOTE: Do not operate Rapid Wind Lever while Shutter Release Button is depressed.

## AUTOMATIC FILM COUNTER

Located to the left of the Rapid Wind Lever is the Exposure Counter. As the film is advanced, the scale shows exactly how many exposures have been made. The film counter automatically returns to the "S" (start) position when camera is reloaded.

## FILM SPEED REMINDER

On the knob of the Rapid Wind Lever is the manually operated Film Reminder Dial which can be set by turning it in either direction with thumb and fore-finger. In addition to the ASA ratings of 10 to 400 it can be set at (☀) Day-light or at (⚡) Tungsten.



## REWINDING

1. Depress Rewind Release Button once. Note : The Rewind Release Button automatically remains depressed. The red dot on the Button rotates counter-clockwise to show that the film is being rewind.
2. Lift Fold-away Rapid Rewind Crank and rewind, in direction of arrow, all of the film.
3. When the red dot stops rotating, all of the film has been rewind.



## LOW LIGHT INDICATOR

A unique system is incorporated in your Auto Eye whereby a yellow band appears in the Low Light Indicator Window when the prevailing light condition is too low to actuate the exposure meter. A Clip-on Booster is available that increases the sensitivity of the built-in meter. To test the meter for correct operation, cover the Photo Electric Exposure Meter Window with your hand ; the yellow band should then appear in Low Light Indicator window.

LUMINOUS GOLDEN  
BRIGHT FRAME  
VIEWFINDER  
WITH  
AUTOMATIC  
PARALLAX  
CORRECTION



## VIEWFINDER

The brilliant Viewfinder of the Auto Eye incorporates a Luminous Golden Frame ; a double-image coupled rangefinder ; and, Lens Aperture Indicator and Warning Signals. The aperture is set automatically as the Shutter Release Button is depressed and a number corresponding to the f-number of the aperture set, appears in the viewfinder. Should the light conditions be too low or too high a red arrow signal appears. These arrows indicate the direction in which the Shutter Speed Setting Ring should be rotated to permit effective operation of the automatic diaphragm setting mechanism.

## FOCUSING

In the viewfinder there is a yellow rectangle in the center of the Luminous Golden Bright Frame. The twin images of the object upon which you are focusing, must be merged exactly by rotating the Distance Ring. You are now focused on that point.

## FRAMING

Compose your picture within the Luminous Golden Bright Frame for scenes further than eight feet from the camera. Should your subject be closer than eight feet, use the two parallax correction marks as the top of the frame for horizontal pictures. For verticals compose your subject at a similar distance from the side frame.

## COMPU-MATIC SHUTTER RELEASE

(UNIVERSAL AUTOMATIC DIAPHRAGM)

By depressing the Shutter Release Button, until a resistance is felt, the diaphragm is automatically set to the exact aperture selected by the built-in exposure meter. The f/number of this aperture, as explained previously, also appears in the Viewfinder. A continued downward movement of the Button then releases the shutter. Thus, in one movement, the correct aperture has been set and the picture taken.

If a red arrow appears instead of an f/number, it indicates that a correct setting of the aperture is not possible at the shutter speed chosen. Rotate Shutter Speed Setting Ring either to the left or right, as indicated by the arrow, until an f/number appears in the Viewfinder. (Other functions of the Compu-Matic shutter release system are dealt with in the Advanced Photography section of this book).



## PRE-VU BUTTON

(To facilitate the checking of light availability)

1. While looking through the Viewfinder, press down the Pre-Vu Button as far as it will go.
2. The Pre-Vu Button prevents accidental shutter release (inadvertent picture taking) which may occur if you press too hard or fast on the Shutter Release Button.
3. Actually the Pre-Vu button is simply an extra precaution, and it is not necessary to use it once you are familiar with the camera's operation. You can accomplish the same thing with the Shutter Release Button, as noted above.



## SELECTION OF SHUTTER SPEED

1. For daylight color photography,  $1/60$  sec. is the most common shutter speed. At this speed, the wide range of automatic aperture settings guarantees perfect pictures for all light conditions from cloudy to bright sun.
2. Other shutter speeds, if desired for special effects, extra fast moving objects, or unusual light conditions, may readily be set by rotating Shutter Speed Setting Ring in either direction.
3. If, for special reasons, a particular lens opening is required, rotate Shutter Speed Ring until desired lens f-number appears in viewfinder.
4. For all Shutter Speed Settings  $1/30$  sec. or slower, the Shutter Release Button must be held depressed until exposure is completed.



Now that you are familiar with the simple techniques of automatic photography, the following sections will show how your Auto Eye will give you the versatility and performance necessary for advanced photography.

## ADVANCED PHOTOGRAPHY

For normal daylight photography your Auto Eye is completely automatic. However, when required, this outstanding camera has all the features demanded by the advanced amateur and professional photographer. The following section shows how the Auto Eye may be operated to suit the special demands of the individual photographer working under special light conditions or desirous of obtaining special effects : —

- ( a ) Manual operation of diaphragm.
- ( b ) Use of time exposures.
- ( c ) Special lighting conditions.
- ( d ) Use of self timer.
- ( e ) Use of flash synchronizer-the "Flash-Matic" system.



## MANUAL OPERATION OF DIAPHRAGM

When automatic lens aperture setting is not required, the diaphragm may be adjusted manually by use of the ASA lever for Manual Settings. This procedure is as follows :

1. Set the shutter speed desired on the shutter speed dial.
2. Look through the View finder and hold Pre-Vu Button depressed.
3. Rotate ASA lever until desired F-stop appears in Viewfinder. Release Pre-Vu button.
4. The f-number you select in the Viewfinder is the one you will shoot at, regardless of light conditions.



## TIME EXPOSURES

(Use a tripod or other form of firm support for your camera)

For exposures longer than one second : —

1. Set Shutter Speed Setting Ring to "B".
2. Cock shutter.
3. Focus and compose picture.
4. Depress Pre-VU Button and set required lens aperture by rotating ASA lever as detailed under previous heading.
5. Depress Shutter Release Button until shutter opens. Hold for the required length of exposure, then release button to close shutter.
6. For longer time exposures, use above procedure as far as setting the aperture. Then, depress Shutter Release Button fully and rotate it clockwise to lock shutter in the open position. At end of required exposure, rotate Shutter Release Button counterclockwise and allow it to return to normal position.



## SPECIAL LIGHTING CONDITIONS

To get the best results from subjects that are backlighted or sidelighted the following techniques should be used : —

(a) When subject CAN be approached :

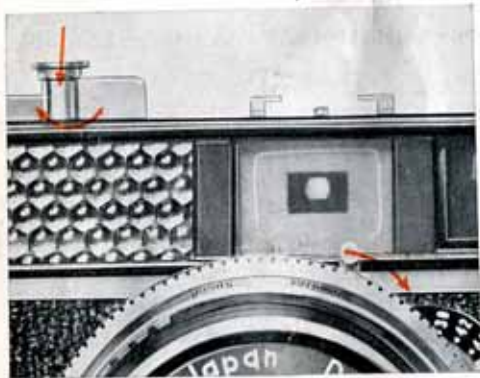
Cock shutter. Frame a small portion of the subject, which has a middle tone light value, in the Viewfinder from a distance of a few inches. Make sure that camera is positioned so that the Photo-Electric Cell is only registering light from portion of subject chosen. Depress Pre-Vu Button with middle finger until the f-number reading shows in Viewfinder. If red arrow appears adjust shutter speed in required direction. Keep Shutter Pre-Vu Button depressed with middle finger and move to desired distance from subject. Focus and compose picture. While Pre-Vu Button is still being held, depress Shutter Release Button with forefinger to trip shutter.

(b) When subject CANNOT be approached :

In this case substitute the hand for the subject in order to get correct aperture setting. Cock shutter. Hold open palm of hand about 12 inches from Photo-Electric Cell and take reading from hand.

## CORRECT USE OF SELF-TIMER

(Use a tripod or other form of firm support for your camera).

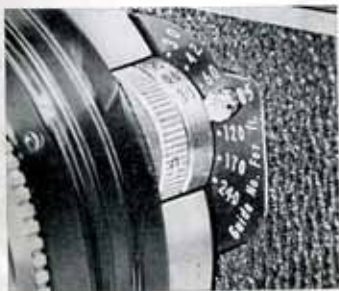


1. Set ASA lever to speed of film in use.
2. Set required shutter speed.
3. Set flash synchronizer to X position.
4. Cock shutter.
5. Cock Self Timer Lever.

6. Focus and compose picture.
7. Depress Pre-Vu to determine whether an f-number appears in Viewfinder ; if red arrow appears adjust Shutter Speed Setting Ring.
8. Release Pre-Vu Button.
9. Depress Shutter Release Button completely and rotate button clockwise to retain correct lens aperture. This pressure on the Shutter Release Button has actuated the self-timer. This allows you 9 seconds to get into the picture before shutter is automatically released.
10. After picture is taken unlock Shutter Release Button by rotating it counter-clockwise.

## FLASH SYNCHRONIZATION

Perfect exposures when using flash gun or electronic flash unit, are assured by use of the Flash-Matic feature of the Olympus Auto Eye. The Flash-Matic system operates by correlating the ASA film rating, the focusing distance required, and the guide number of the flash bulb or electronic flash unit used.



### Procedure :

1. From the instructions on flash bulb package determine correct guide number for ASA rating of film and required shutter speed.
2. Attach flash unit and insert cord in Flash Synchronizer Socket. Set lever to "M" (for M-type flash bulb) or "X" for electronic flash unit.
3. Rotate Shutter Speed Setting Ring to speed required. For #5, M5 and M2 flash bulbs  $1/60$  sec. is recommended for electronic flash use  $1/500$  sec.
4. Insert bulb or switch on electronic flash unit.
5. Operate Rapid Wind Lever.
6. Focus on subject.
7. Note distance on focusing scale.
8. Depress Small Round locking lever of Flash-Matic Knob and turn Knurled Wheel until the focus distance is opposite flash guide number. (This procedure is repeated each time camera is refocused).
9. Depress shutter release button to actuate flash and shutter.

NOTE : When using flash, self-timer can be used with electronic flash unit at any speed or with class M Bulbs at  $1/30$  second only.



## SPECIAL ACCESSORIES



The following accessories are available for use with your Auto Eye:

Filter: Y2 (Yellow), UV (Haze), Skylight, Conversion Type F.

Lens-Hood and Filter Attachment: A screw-in type lens hood also acts as adapter for attachment of filters.

## NOTICE

*Special instructions for the care and efficient operation of your Olympus Auto Eye.*

1. Always apply steady, gentle pressure when operating Shutter Release Button.
2. Keep camera away from dirt and moisture. Whenever possible camera should be kept and operated in the "eveready" case.
3. When not using flash or Manual Operation, the Flash-matic dial must be locked in the "A" (Automatic) position.
4. Do not leave film in camera for long periods (i. e. 6 months or more), as poor results will occur because of film deterioration. It is advisable to develop exposed film within seven days from time of final exposure.
5. To clean lens and viewfinder windows, brush with soft Camel hair brush and wipe clean with lens tissue.

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