

INSTRUCTION BOOK

19

PETRI

DESCRIPTION OF PARTS



1. FILM WINDING LEVER
2. SHUTTER RELEASING BUTTON
3. FILM INDICATOR
4. FILM NUMBER INDICATOR (AUTOMATIC RE-SETTING)
5. GREEN-O-MATIC VIEWFINDER
6. ACCESSORY CLIP
7. COUPLED RANGE FINDER
8. FILM REWIND CRANK (FOLDED)
9. HANG RING
10. DEPTH GUIDE
11. SHUTTER SPEED & IRIS DIAPHRAGM SETTING
12. SELF-TIMER
13. IRIS DIAPHRAGM RING
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15. ORIKKOR F 1.9 LENS
16. SYNCHRO-SWITCH
17. HELICOID FOCUSING LEVER
18. BACK COVER LOCK



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PETRI

The PETRI 1.9 has been carefully designed and manufactured with only one aim in mind, that is to afford the user the ultimate in pleasures that a fine camera can give.

Beauty of design, simplicity of operation and the assurance of perfect pictures at all times plus a new and fresh appearance makes the new PETRI the camera you have always wanted. The compact body with its component parts has been sturdily constructed to give you years of faithful service.

Whether you utilize color film or black and white, indoors or out, with or without flash, you will find the new PETRI 1.9 always equal to the situation and ready to help you make those true-to-life pictures that you will cherish forever.



The makers of PETRI cameras have been constantly striving to make a camera that will meet all the requirements of the most particular of camera buyers.

The new PETRI 1.9 represents the culmination of all our endeavor and is presented to you with the hope that it will afford you the same enthusiastic pleasure when using it, as we have received in making it.

Almost a half century of high precision camera experience has gone into the manufacture of the PETRI 1.9 and it incorporates the same high degree of quality and fine workmanship that have made PETRI cameras famous throughout the world.

ORIKKOR LENS

Long respected in the competing fields of fine lenses the name ORIKKOR is now known around the world. Constant research in the design and manufacture of superior lenses have placed the ORIKKOR in a foremost position and the incorporation of this lens into the PETRI camera has been made *only after the most stringent of tests to assure fine lens qualities that cannot be surpassed.*

ORIKKOR LENS F/1.9



TEST CHART



The ORIKKOR F/1.9 45mm Lens

The "seeing eye" of any camera is its lens and it requires the utmost of know-how and care to make it right. The exceedingly ORIKKOR Lens of your PET is composed of six exacting elements all perfectly engineered to meet the highest level of optical performance. Lens aberrations have been corrected to insure reproducible images "just as you see them." A special lens coating process insures true color in all your color



REEN-O-MATIC SYSTEM

THE OUTSTANDING FEATURE OF PETRI 1.9



PETRI 1.9 is equipped with Super wide view-finder which is made of special GREEN CROWN glass as well as built-in automatic parallax compensation.

100 Feet



1.9 Feet

**NO HEADS "LOPPED" OFF WITH
PETRI GOLD-FRAME**

This "GREEN CROWN" glass in-
visibility, eliminates eye-fatigue,
insures easy and accurate focus
to the brilliant, self-compensating
PETRI-GOLD frame which clearly shows
exactly what your camera lens
photograph and thus simplifies the
complicated art of photography.
The ingeniously synchronized
Glean™ frame moves automatically
to compensate for parallax from
to infinity and assures perfect
composition every time on every shot.



OPENING THE BACK COVER (A)

Pull down the lever with your
thumbnail to open the cover.



OPENING THE BACK COVER (B)

The cover will be automatically
released as shown in the
picture.



FILM LOADING

Place the end of the
the slot of the take.
Pull out the film ree
on top of camera.

Your new PETRI "One Point Nine" has been especially designed for you to take fine pictures the easy way. All your settings are visible from the top of the camera and the clear image you can always see through the brilliant frame of your view finder will give you new pleasures in your picture taking.

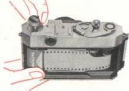
Follow the directions for operating the PETRI "One Point Nine" very carefully and you will learn the easiest way to take these professional looking pictures that you will be so proud to show to your friends.

THE EASY WAY TO TAKE FINE PICTURES



FILM LOADING (B)

Pull the magazine back, letting the film unroll, and set it into the magazine compartment.



FILM LOADING (C)

Push back the film rewind knob to load the magazine.



CLOSING THE BACK COVER

Back cover will automatically be closed by pushing it and simultaneously the mark "5" will appear opposite the red indicator point on the film counter.



FILM COUNTER

Cock the camera by turning the film winding lever and press the shutter button. Repeat this operation again, then turn film winding lever only and you are ready to snap your first picture. The number "1" will appear opposite the red indicator point on the film counter.

SETTING EXPOSURE (A)

Shutter speed is determined by turning the click-stop shutter dial.

SETTING EXPOSURE

Turn the iris lever required lens opening

NOTE: When cocking camera advance the film winding lever fully until it stops to insure full advance of film.



OW TO HOLD YOUR PETRI 1.9

It is very important that you hold your camera properly when taking a picture. *The camera must be held steady at all times and as near to the eye as possible.*

Be sure that you see the image you desire well within the frame that you see in the view finder. All subjects caught within this frame will be reproduced on your film. The photographs at right show the correct ways of holding your PETRI camera.

Look through the viewfinder eyepiece and *compose your picture within*





Wrong Correct

the frame. Turn the helioid range finder lever until images appear as one in the small rectangle in the center of the frame.

Hold camera steady, resting thumb on your cheek, then *gently but firmly* snap your picture.



HOW

TO LOOK THROUGH THE RANGE FINDER WINDOW

Remember that no matter how well a camera is designed or constructed it cannot take fine pictures without the aid of the human eye. *When composing your picture get your eye close enough to the viewfinder eyepiece so that you can see all four sides of the frame at the same time.*

Compose your picture well within these four sides.

Hold camera tightly, then snap picture.



PETRI

THE SHUTTER OF PETRI 1.9



The five blade action of the shutter at 1.9 gives you accurate readings from 1 second, and includes a bulb setting. The shutter also has a built-in self-timer and is equipped with M.X.V. synchronization which is adaptable to all kinds of flash bulbs and electronic flash.

The Shutter Features:

1. Sensitive release action.
2. Faultless construction. Tested 2,000,000 times to insure foolproof operation.
3. Most advanced and accurate synchronization construction.
4. Modern and beautiful styling and finish.

NOTICE: Setting the shutter dial incorrectly, middle way between the Bulb and One Second, will surely hurt your camera. Please set it correctly. An advertisement on any proper production appears on the

SEASONABLE SETTINGS

Refer to the guide here which shows the proper lens openings and shutter settings applicable for the *various seasons of the year*.

Adjustments will vary in accordance with the time of day, brightness of subject and kind of background.

Remember that utmost care must be taken to properly expose each of the pictures in your 35mm roll film because corrections for over or underexposure cannot be made when your roll film is developed.

**PETRI**

SEASONABLE EXPOSURE GUIDE

SEASON MONTH SUBJECT	SPRING			SUMMER			AUTUMN			WINTER		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Bright Subjects	F. 16	sec. 1/250		F. 22	sec. 1/500		F. 16	sec. 1/250		F. 11	sec. 1/250	
Average Subjects	11	1/250		16	1/250		11	1/250		8	1/250	
Shaded Subjects	4	1/100		4	1/250		4	1/50		4	1/25	
Weather	Fair			Cloudy (Slight)			Cloudy			Cloudy (Heavy)		
	Standard			3 Times			3 Times			4 Times		
Time	10 am-2 pm			9 am-10 am 2 pm- 3 pm			8 am-9 am 3 pm- 4 pm					
	Standard			2 Times			3 Times			3 Times		
Film	ASA 100 H. S. Pan						ASA 50 Pan					
	Standard						2 Times					

The depth of field is the distance between the furthest and nearest points between which your subject will be in focus.

The depth of focus of any camera will vary according to its focal length like distance between the film plane and the film, aperture or lens opening and different lens.

The lens with the shorter focal length will have more depth while the longer focal length will have less. Your PETRI 1.9 is engraved with a depth of field scale *which will aid you greatly in bringing your subject into proper focus for quick snap shots.*

Become familiar with the depth of field scale on your camera as quickly as possible and enjoy its wonderful adaptability.

APPLICATION OF THE DEPTH GUIDE

ORIKKOR

1:1.9=45mm

DEPTH GUIDE

1.9	F Feet	2.8	4	5.6	8	11	16
1.9 ~ 2.7	2.8	2.94 ~ 2.97	3.99 ~ 3.92	3.12 ~ 3.24	3.22 ~ 3.44	3.26 ~ 3.29	3.84 ~ 2.29
3.09 ~ 3.19	3.4	3.61 ~ 3.21	3.79 ~ 3.14	3.84 ~ 3.84	4.88 ~ 2.91	4.42 ~ 2.76	5.12 ~ 2.55
4.81 ~ 4.12	4.5	4.88 ~ 4.18	5.87 ~ 4.84	5.21 ~ 3.71	5.89 ~ 3.68	6.58 ~ 3.84	8.17 ~ 3.12
4.88 ~ 5.18	6	6.72 ~ 3.43	7.18 ~ 5.12	5.21 ~ 3.73	8.68 ~ 4.62	10.88 ~ 4.24	15.18 ~ 3.78
9.3 ~ 6.58	8	8.24 ~ 7.89	10.88 ~ 6.71	7.62 ~ 4.95	13.48 ~ 5.72	18.88 ~ 5.15	27.88 ~ 4.45
11.19 ~ 10.82	12	15.28 ~ 10.19	17.28 ~ 9.28	15.12 ~ 8.24	20.88 ~ 7.42	25.48 ~ 8.54	~ ~ 5.42
41.12 ~ 10.88	20	16.88 ~ 19.58	16.78 ~ 16.88	21.88 ~ 8.48	~ ~ 11.88	~ ~ 9.82	~ ~ 7.42
~ ~ 14.88	~	~ ~ 18.42	~ ~ 18.88	~ ~ 21.28	~ ~ 19.48	~ ~ 18.18	~ ~ 8.48

FLASH SYNCHRO- NIZATION 1

The M.X.V. shutter of PETRI 1.9 is provided with synchronization for practically all types of flash bulbs and electronic flash equipment.

- ★ MEDIUM (NO.5, 25 and Bantam 8) type flash bulbs may be used to make flash pictures at all shutter speeds. When using these bulbs, place the SYNCHRO SWITCH on the "M" position. At the shutter speed 1/25 sec. or slower, "X" position is also available.
- ★ FAST (SM, SF and SS) type bulbs synchronize perfectly at the shutter speeds from 1 to 1/50 sec. When using these bulbs the SYNCHRO SWITCH is placed on the "X" position.
- ★ ELECTRONIC Flash Equipment may be used for synchronization at all shutter speeds by placing the SYNCHRO SWITCH on the "X" position. The SELF-TIMER is available by placing the SYNCHRO SWITCH on the "X" position.



PETRI

FLASH SYNCHRO- NIZATION 2



Before taking flash pictures be sure that the flash equipment you use is in good working condition.

If you are using dry batteries be sure they are fresh at all times.

Be certain there is no short in your flash and always test the circuit first before taking your first picture.

The PETRI 1.9 has "X" synchronization that is adaptable to strobe or electronic flash systems.

For standard "F" class flash bulbs use 1/50 sec. or slower.

For electronic flash all speeds apply.

TAKING YOUR FLASH PICTURE

The aperture opening of your camera in flash photography is determined by the distance from your flash to your subject.

All flash bulb manufacturers issue guide numbers with their flash bulbs. Divide the guide number by the distance in feet from your bulb to your subjects, and you will have the correct aperture opening.

At right is a simple exposure chart for use with the popular midget type flash bulbs.

SYNCHRO STANDARD EXPOSURE

Bulb No.	Lumens/sec Light Amount	Class	Lens Aperture				
			F 2.8	F 4	F 5.6	F 8	F 11
S P	8,000L/S	F	Feet 20 ÷	Feet 18 ÷	Feet 13 ÷	Feet 10 ÷	Feet 7 ÷
No. 3	14,000L/S	M	27 ÷	24 ÷	16 ÷	12 ÷	9 ÷
No. 62	14,000L/S	F. P.	18 ÷	15 ÷	10 ÷	7 ÷	6 ÷

FOR EXAMPLE USING THE
STANDARD FLASH BULBS:

Shutter Speed: 1/50 or 1/100sec. Film: S Pan

Note: In case of S Pan

add 50% to above distances
with the same lens aperture.



REMOVING FILM

Pull the rewind knob out to remove the magazine.



RE-WINDING FILM BACK

Rewind the film by pressing the returning button located at the bottom of your camera.

HOW TO REMOVE FILM AFTER SHOTS



FILM INDICATOR



PETRI

The film indicator of the PETRI 1.9 shows the type of film in the camera at all times.

Be sure to set it correctly immediately after loading your film. Numbered settings indicate ASA sensitiveness and correct numbers can be found in the instructions included with the film you purchase.

Note: The exposure counter which is situated in front of the film indicator will automatically return to its starting position whenever the back cover of the camera is opened.

Development of Your Pictures

It is important that you develop your film as soon as possible after you have taken your pictures.

At high temperatures, especially in the summer, your film may spoil if it remains in an undeveloped condition for a long time. Be especially careful to store your undeveloped film in a cool, dark place.

When rewinding the film in the camera, do not wind it completely so that the end of the film disappears completely into the magazine, for exposure in this manner is a common mistake for film not yet exposed.

The PETRI MAGAZINE has been sturdily constructed *to withstand frequent handling that has been the cause of light leakage* in inferior film magazines. It has been especially designed for the PETRI camera.



In order to insure perfect picture in all kinds of light conditions it is necessary for you to choose the proper filters for your camera.

The PETRI FILTERS manufactured of the highest quality optical ingredients and subjected to the most rigid inspection tests are available for your camera.



The PETRI LENS HOOD has been *carefully designed to prevent stray light from entering your lens.*

It is constructed of light alloy metal and smartly styled to enhance the beauty of the PETRI 1.9 camera. It fits tightly and securely over the lens rim.



PETRI FILTERS

For BLACK and WHITE pictures:

- Y1 - For the landscape with a blue sky as background, portrait, buildings
- Y2 - and flowers. Both are especially conducive to subject of moderate and clear contrast.
- YA3- It darkens sky and makes subject stand up by taking the mountains and a distant view.
- R1 - It blackens sky and exceedingly emphasizes subject which is mostly used for taking the pictures of air plane.
- PO1- For the colorful subjects and natural texture of skin and complexion.

For COLOR Pictures

- UV - It absorbs the ultraviolet rays.
- W4- For the bluish subjects or the mountains.
- C4 - Especially be used within 2 hours before and after sunset.
- C8 - For using daylight color film with clear flashbulb 3800 K
- C12- For daylight color film with photofloods 3400 K
- B5A- For type F film used outdoors.

PETRI Auxiliary Lenses

Telephoto lens—65mm
Wide Angle lens—38mm
Special Viewfinder
Zippered Leather Case



TELEPHOTO & WIDE ANGLE LENS KIT

Designed to add extra coverage to the standard PETRI 1.9 camera, these precision accessory lenses are hard coated, color corrected and offer superior definition, excellent contrast and outstanding magnification. Each PETRI Auxiliary Lens is precision-tested for mechanical perfection. No adapters necessary. Each set contains a special VIEWFINDER for use from 2 ft. to infinity.

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