



BROWNIE

Flash

CAMERA 20



Your
Camera
Makes—

- Black-and-White Snapshots
- Colour Snapshots
- Colour Transparencies

with
Kodak
620
Films

Use 'Verichrome' Pan Film Size 620

For 12 black-and-white standard size $3\frac{1}{2}'' \times 3\frac{1}{2}''$ prints (or enlargements, any size) from $2\frac{1}{4}'' \times 2\frac{1}{4}''$ negatives.

Use 'Kodacolor' Film Size 620

For 12 colour snapshots. From $2\frac{1}{4}'' \times 2\frac{1}{4}''$ colour negatives, you can have made standard size $3\frac{1}{2}'' \times 3\frac{1}{2}''$ 'Kodacolor' Prints, or size $5'' \times 5''$ 'Kodacolor' Enlargements.

Use 'Ektachrome' Film Size 620

For full-colour $2\frac{1}{4}'' \times 2\frac{1}{4}''$ transparencies, and from these, $3\frac{1}{2}'' \times 3\frac{1}{2}''$ 'Kodak' Colour Prints or $5'' \times 5''$ Enlargements. You can also prepare colour "super" slides for projection, by mounting transparencies in $2'' \times 2''$ Ready-mounts with $1\frac{1}{2}'' \times 1\frac{1}{2}''$ aperture from your Kodak dealer. But when taking pictures for this purpose you must use the superslide format in the finder (p.9).

Before taking any important pictures, shoot a roll of film (including a few flash shots). Always ask for colour prints on 'Kodak' Paper.



BODY LOCK
BUTTON

FILM LOCK
BUTTON

Load in the shade— never in bright, direct light

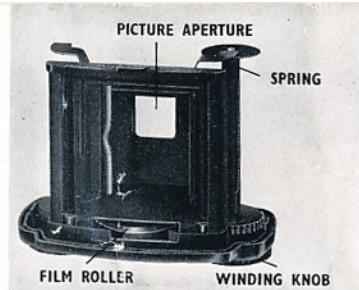
1. First slide the **FILM LOCK BUTTON** on the bottom of the camera to **LOAD**, then slide the **BODY LOCK BUTTON** to **OPEN**. Remove the **FILM HOLDER**, as illustrated.

Note: If, with an empty camera, the shutter release cannot be pressed down, turn the winding knob on the bottom of the camera to unlock the shutter release.

2. Hold the film holder with the **WINDING KNOB** pointing downward. Next, the empty spool has to be fitted into the winding knob in the recess marked **EMPTY SPOOL**. Engage the hole in the end of the spool with the pin of the **SPRING** and push up against



FILM HOLDER



PICTURE APERTURE

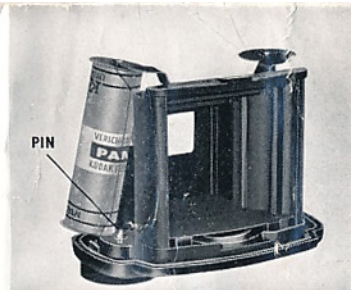
SPRING

FILM ROLLER

WINDING KNOB

the spring. Now swing in the lower end of the spool, while turning the winding knob, and thus engage the winding key with the slotted hole in the spool.

3. The full spool of film now has to be fitted into the recess marked **LOAD**. To get it the right way round, hold it so that the end of

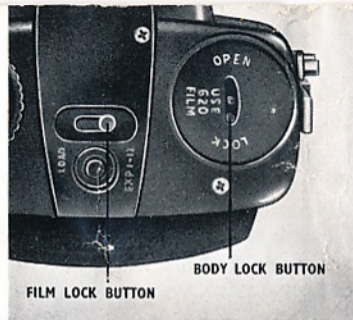
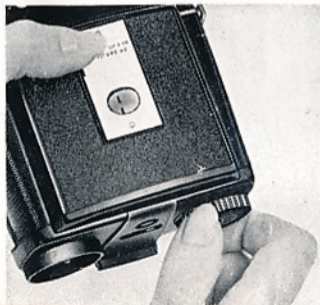


PIN

the paper, when unsealed, will unwind towards the picture aperture from the side of the spool away from the film holder. Engage the hole in the end of the spool with the pin on the spring. Push the spool up against the spring, and swing the spool into the recess until the hole at the other end engages the fixed lower pin.

4. Break the seal on the film and carefully draw the paper (coloured side towards you, black side inwards) across the picture aperture and over the FILM ROLLER. Thread the tapered end of the paper squarely into the longer slot of the empty spool as far as it will go. Turn the winding knob two full turns, while applying finger pressure to the full spool, to make sure the paper is straight and tight.

5. Replace the film holder—make sure that it is all the way in. Lock it in place by moving the body lock button toward LOCK.



6. Grasp camera so as to avoid touching either lens. Use a thumb to slide up red window cover in the direction of arrow. While watching red window, turn the winding knob until warning arrows appear in the window. If the winding knob locks during

this operation, check that the FILM LOCK BUTTON is at LOAD. Continue winding slowly until the number '1' is centred in the window.

7. Set the FILM LOCK BUTTON to EXP: 1 - 12. With the button in this position, turn the winding knob after each exposure until it locks. It will only be necessary to consult the red window to check the number of exposures made. If you wish to operate the camera without the automatic winding stop, leave the LOCK BUTTON at LOAD and wind each number to the red window.

Outdoor Snapshots

The best outdoor colour snapshots are made in sunlight. Kodak 'Verichrome' Pan Film can be used on sunny or hazy days. Have the sun behind you.



1. Set the LENS-OPENING LEVER by moving it to the proper exposure value number. Make sure that the lever 'click-stops' at one of the three numbers, not between them.

- Set to COLOUR 13 for colour films exposed in bright sun.
- Set to B & W (Black and White) 14 for Kodak 'Verichrome' Pan Film exposed in sunlight with average surroundings.
- Set to 15 for Kodak 'Verichrome' Pan Film exposed in bright sun on sand or snow.

2. Turn the FOCUSING MOUNT until the white dot of the camera-to-subject distance zone 'click-stops' at the FOCUSING INDEX.

3. Compose the picture in the finder, keeping your eye close enough to be sure that the front frame is centred in the rear aperture. With pictures on 'Ektachrome' Film, for mounting in 2" x 2" superslide mounts, frame the picture within the marks on the finder lens.

4. Hold the camera steady (see illustration) while slowly pressing the SHUTTER RELEASE down.

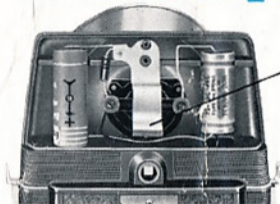
A white band will then show behind the lens to remind you to wind the

film on. The shutter release remains locked after it is tripped until the winding knob is turned, thus preventing double exposures.

Compose picture within dotted-line area for 2" x 2" mounts only. Use full finder area for all others.



Flashsnaps



BULB
EJECTOR

Flash pictures are as easy to make as daylight pictures. Just insert a flashbulb, focus, aim, and press the shutter release. With 'Ektachrome' Film, Daylight Type, use *blue*-tinted bulbs. With 'Kodacolor' and 'Verichrome' Pan Films, use *clear* bulbs. See the table opposite for flashbulb types.

1. Unscrew the slotted screw above the BULB EJECTOR; lift off the cover. Remove the cardboard "washers" from each end of an 'Ever-Ready' B155 battery (or equivalent) and insert the battery with the positive (+) red end down. Replace the cover.
2. Push the flashbulb straight into the socket.

3. Carefully set the distances and exposure value numbers on the camera. (See table below.) Keep strictly within the distance limits indicated.
4. Compose the picture in the finder. Use the superslide format if you require trans-

parencies to be mounted in 2" x 2" slides (see p. 9).

5. Slowly press the shutter release to flash the bulb and take the picture.
6. Use the ejector pin on the Flashholder to remove the spent bulb.

Flash Exposure Table

Kodak Film	Lens Setting (exp. values)		DISTANCE	
			PFI No. 1	PF5 No. 5
'Verichrome' Pan	14	CLEAR	4-10 feet	6-17 feet
'Kodacolor'	13		4-5 feet	7-9 feet
'Ektachrome' Daylight type	13	BLUE	PF1/97 6-7 feet	No. 1B 4-5 feet
	14		—	PF5/97 No. 5B 6-8 feet
				4 1/2 - 5 1/2 feet

* This is the new, more powerful, PF1/97 bulb packed in the square red carton

Unload

In the shade—never in bright, direct light

1. After the 12th snapshot, slide the **FILM LOCK BUTTON** to the end of its slot marked **LOAD** and slide up the red window cover.
2. Turn the winding knob while watching the red window until the end of the paper has passed the window and is completely wound on the spool.
3. Slide the **BODY LOCK BUTTON** as far as it will go to **OPEN** and allow the film holder to slide out of the camera body.

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4. Grasp the full spool of film and, taking care not to let it unwind, press it upward against the spring pressure then swing it out and remove it. Carefully fold the end of the coloured paper and seal the film with the sticker.
5. Move the empty spool to the winding knob end of the film holder, ready for reloading.

Important: Do not leave exposed film in bright light. Have it processed or developed and printed as soon as possible. Take all films for processing, or developing and printing, to your Kodak dealer. Always ask for colour prints on 'Kodak' Paper.

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