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PICTURE TAKING
WITH THE KODAK
DUAFLEX CAMERA



30-11-15-15



KODET LENS

Picture taking



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with the KODAK

DUAFLEX CAMERA

KODET LENS

You will enjoy picture taking with your Kodak Duaflex Camera—its large reflex finder, its fixed-focus lens, its single-speed shutter with built-in flash synchronization. Combined, they make for simplicity and efficiency in all your picture-taking efforts.

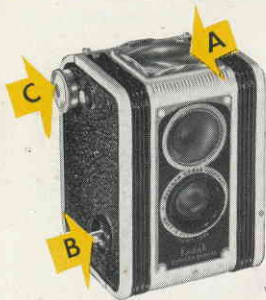
This manual explains in words and pictures the essentials of Kodak Duaflex operation. Read it carefully and get the most out of your camera.

T. M. REG. U. S. PAT. OFF.

It's Easy to Operate

To take any picture all you do is:

- 1** Check the **distance**, remembering that anything 5 feet or more from the camera is photographed sharply.
- 2** Set the **time lever** in one of two positions: "I" for Instantaneous Exposures (Snapshots) or "B" for Time Exposures.
- 3** Press the **exposure button**.



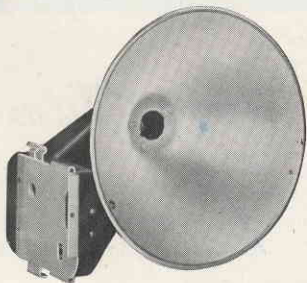
- A • Reflex Finder**
- B • Exposure Button**
- C • Film Winding Knob**
- D • Time Button**

It's Versatile

It has a reflex finder which gives a large, brilliant image of the subject. You can see just what each picture will include before you take it.

It takes flash pictures with the aid of a Kodak Duaflex Flashholder. With this accessory you can take pictures any time—day or night. The Flashholder is put on in a matter of seconds and the flash is synchronized by the shutter. You merely press the exposure button the same as when taking non-flash pictures.

It takes color pictures as well as black-and-white.





What Film to Use

SIZE

Use Kodak Film No. 620. The negative size is $2\frac{1}{4}$ x $2\frac{1}{4}$ inches—12 exposures per roll.

TYPE

- **Kodak Verichrome or Plus-X Film**

For outdoor pictures in sunlight or for pictures with Photoflash Lamps, use Kodak Verichrome Film (12 exposures), V620, or Kodak Plus-X Panchromatic Film (12 exposures), PX620.

- **Kodak Super-XX Film**

For indoor snapshots with Photoflood Lamps, use only Kodak Super-XX Panchromatic Film (12 exposures), XX620.

- **Kodacolor Film**

For color pictures, use Kodacolor Film (9 exposures), C620. *Exposed outdoors in bright sunlight or indoors with blue No. 5B Photoflash Lamps*, this film yields color negatives from which Kodacolor Prints can be ordered from Kodak dealers.



To Load

- 1** *Lift the Latch* on the back of the camera and pull the back open.
- 2** *The empty spool* is to be used as the take-up spool on which the exposed film is to be wound. Pull out the WINDING KNOB and place the empty spool in the upper recess; then push in with a twist on the WINDING KNOB.

LOAD AND UNLOAD IN SUBDUED LIGHT



Note!

Do not break the seal on the roll of film before the roll has been placed on the spool holder—the film may unwind and be fogged.

- 3** *Swing out and hold the pivoted spool holder.* Place the roll of film in the holder so that the pins engage the holes in the film spool. Drop the film and spool holder back into its recess.
- 4** *Break the seal on the roll of film.* Pull the end of the paper across the roller and opening in the back of the camera and thread it through the

—NEVER IN STRONG, DIRECT LIGHT

longer slot in the take-up spool at the top of the camera *as far as it will go*. Make certain that the *black side* of the paper is toward the *inside* of the camera and the colored side out. Turn the WINDING KNOB to bind the end of the paper securely to the take-up spool; two or three turns will do. *Be sure that the paper is started straight on the take-up spool.*

5 Close the camera back. Be sure the LATCH snaps over the pin.

6 Turn the Winding Knob until the small hand appears in the window on the back of the camera. Continue turning the WINDING KNOB slowly until the figure 1 is centered in the window. You are now ready for your first picture.



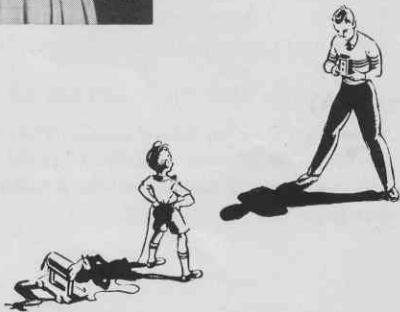
Load the film in subdued light—never in direct sunlight or strong artificial light.

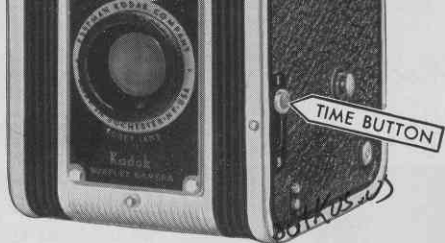
Hold your **KODAK DUAFLEX**
CAMERA *firmly...*



Adjust the length of the neckstrap so that the finder is at the best distance for you. Hold the camera as illustrated at the left.

At the instant of exposure, hold your breath and press the exposure button with a gentle squeezing action.





Snapshots

- 1 Set Time Button** on the side of the camera at "I."
Be sure the button is all the way up.
- 2 Look in window** on the back of the camera to make certain the film has been advanced.
- 3 Check the distance**, remembering to keep at least 5 feet from the subject—the Kodak Duaflex is a fixed-focus camera and only objects 5 feet and beyond photograph sharply.

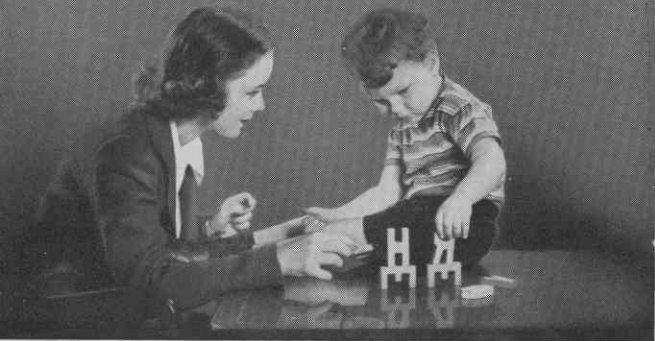
Caution:

Although a close-up subject appears sharp in the finder, do not make pictures of subjects closer than 5 feet unless you use a Kodak Close-Up Attachment No. 6A. (See page 19.)



4 **Hold the camera steady**, and *slowly* press the EXPOSURE BUTTON until it clicks. If no click is heard, the shutter has not been released and no exposure has been made. Any movement of the camera during exposure blurs the picture; therefore, *take a deep breath and hold it as you press the Exposure Button.*

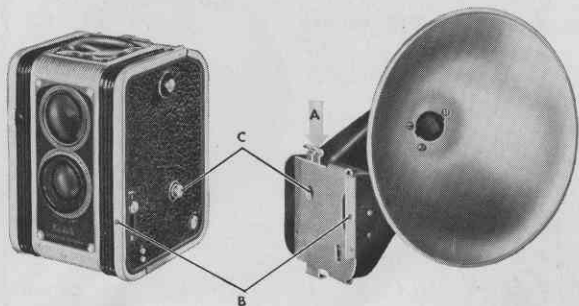
5 **Advance the film** to the next exposure number by turning the WINDING KNOB and you are ready for the next picture. Get into the habit of advancing the film immediately after taking each picture.



Photoflash Pictures

Pictures at night, either indoors or out, can be made with the aid of a Kodak Duaflex Flashholder and SM Photoflash Lamps. Each lamp yields a single flash lasting 1/200th of a second. Because the flash is so short, it can catch a child at play.

With the SM lamp, set the time button at "I." With the No. 5 lamp, set the time button at "B."



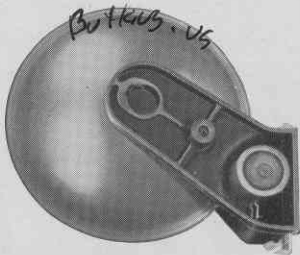
To Attach the Kodak Duaflex Flashholder:

1. Push the lock slide down, A.
2. Fit the small hole over the small stud, B.
3. Fit the large hole over the large stud, C.
4. Push the lock slide up.

There are no cords or plugs to attach—contacts are made automatically. *Do not attach or remove the flashholder with the bulb inserted.*

To install the Battery:

1. Loosen the slotted screw and remove the back of the Flashholder.
2. Insert a size "C" flashlight battery—base up.
3. Replace the Flashholder back and tighten the screw with the fingers.



IMPORTANT—SYNCHRONIZATION of flash pictures requires a battery which tests at least 5 amperes. Batteries which have been stored for long periods of time will not be satisfactory.

Be sure the Time Button is in the up position—at "I."
Insert an SM Photoflash Lamp into the reflector socket. Push the lamp straight in without twisting it.
Check the lamp-to-subject distance according to the table and locate the subject in the finder.

Press the Exposure Button until it clicks. This will open the shutter and flash the lamp.

Remove the used lamp by pushing up on the Ejector Lever on the back of the reflector socket. Do not pull the lamp out by force or the socket will be damaged.

EXPOSURES WITH SM PHOTOFLASH LAMPS

• CAMERA HAND-HELD •

(Set the Time Button at the letter "I")

<i>FILM</i>	<i>Lamp-to-Subject Distance</i>
Verichrome	From 5 feet to 12 feet
Plus-X	From 6 feet to 15 feet
Super-XX	From 8 feet to 20 feet

Note: The above distances are for interiors with light-colored walls and ceilings. For outdoor pictures at night, keep subjects at the nearer distances.

Caution: Under certain conditions, the lamps may crack or shatter when flashed. It is therefore recommended that a protective transparent plastic screen be used over the front of the reflector. Do not flash the lamps in an explosive atmosphere without safety equipment.

THE NO. 5 PHOTOFLASH LAMP

The snapshot action of the Kodak Duaflex Camera does not permit synchronization with the No. 5 Lamp. However, the No. 5 Lamp can be used with the time button set at "B."

When a No. 5 Lamp is used, make certain that a bright light is not in the camera's field of view; then set the TIME BUTTON at "B," press the EXPOSURE BUTTON and release it immediately. The lamp-to-subject distances for the No. 5 Lamp are given below.

EXPOSURE WITH NO. 5 PHOTOFLASH LAMPS

- NO BRIGHT LIGHTS IN CAMERA'S VIEW •
- (Set the Time Button at the letter "B")

FILM	Lamp-to-Subject Distance
Verichrome	From 6 feet to 15 feet
Plus-X	From 7 feet to 18 feet
Super-XX	From 9 feet to 25 feet

For Kodacolor pictures indoors, use a blue No. 5B Lamp with the TIME BUTTON set at "B." The camera must be 5 feet from the subject; then press the EXPOSURE BUTTON and release it immediately. Be sure that no bright light is within the camera's view.



Close-Ups

WITH THE KODAK
CLOSE-UP ATTACHMENT

No. 6A

The Kodak Duaflex is a fixed-focus camera so that only subjects 5 feet from the camera and beyond are photographed sharply. For pictures closer than 5 feet, such as head and shoulder portraits or close-ups of flowers and similar subjects, obtain a Kodak Close-Up Attachment No. 6A. The attachment snaps over the camera lens and *the subject must then be between 3 and 4½ feet from the camera.*

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Photoflood Pictures

Indoor snapshots can be made by using Photoflood Lamps which give a steady light of great brilliance.

Lamps—Obtain one No. 1 and one No. 2 Photoflood Lamp and suitable reflectors from your Kodak dealer. The No. 2 Lamp gives twice the light of the No. 1 Lamp. Photoflood Lamps fit all regular sockets.

Film—For snapshots with Photofloods, use only Kodak Super-XX Film.

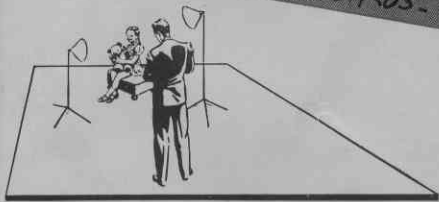
CAUTION: Do not touch the lamps or allow them to be in contact with anything while they are in use because they become very hot.

SNAPSHOTS with Photofloods

Set Time Button in the “Up” position at “1”

Place a lamp at each side of the subject as shown in the diagram. Both lamps must be $3\frac{1}{2}$ feet from the subject and the No. 2 Lamp should be from 2 to 4 feet higher than the No. 1 Lamp. The subject should be near a light-colored background.





Hold the camera at least 5 feet from the subject.

Compose the picture in the finder; be sure the lamps are not included.

Press the Exposure Button just as you would to take a snapshot indoors.

Time Exposures

When the light is not bright enough for a snapshot and Photoflash Lamps are not available, you can still get the picture by making a time exposure.

For a time exposure, the camera must always be placed on a tripod or some other firm support—not held in the hands—or the picture will be blurred.

Set the TIME BUTTON in the down position at “B.”



Press the EXPOSURE BUTTON *in* as far as it will go and hold it there; the shutter will remain open until you release the EXPOSURE BUTTON.

Exterior Views at Night

Striking scenes with unusual lighting effects like the one on the opposite page are possible at night. This example required a 5-minute exposure.

Interior Pictures by Artificial Light

The use of existing home lighting in preference to daylight often provides more even illumination.

Set the camera fairly high on a tripod or other solid support. When only ordinary electric lamps



supply the illumination, rooms with subdued light will require a time exposure of about 30 seconds with Kodak Super-XX Film. For brightly lighted rooms, make an exposure of about 8 seconds.

When in doubt, a series of three exposures should

be made, one at 8 seconds, one at 30 seconds, and one at 2 minutes; one of these should produce a good negative.

If Kodak Verichrome or Plus-X Film is used, the above exposures should be doubled.

Indoor Portraits Near a Window

Use Super-XX Film and a reflector (a tablecloth over a chair will do). Make an exposure of about one second.

Suggestions for Taking Better Pictures

Make them interesting—They should tell a story at a glance. To help achieve natural, unposed effects, give your subjects something to do.

Check the background—Look beyond the subject and exclude uninteresting and distracting objects. Be sure the background serves merely as a setting for the picture.





The Neckstrap is adjustable.

Button it over the studs on the sides of the camera so that the length is the most comfortable.

Kodak Duaflex Shield—protects the lenses when the camera is not in use.

To Attach—slip the slotted buttonhole over the stud at the bottom of the front plate. Then swing the shield up and over the front and top of the camera. Snap it over the two glove snap buttons just back of the finder on the top of the camera.

For Picture Taking—unsnap the top of the shield and let it hang out of the way under the camera.

Removing the Film

1—Turn the WINDING KNOB until the protective paper not only passes the window but is drawn up to the film spool.

2—Lift the LATCH on the top of the camera and open the camera back.

3—Pull the WINDING KNOB out with a clockwise twist. The roll of film will fall out easily. Do not allow the film to unwind from the spool or it will be fogged.

CAUTION: After removing the roll of film, do not twist it tight on the spool or you may scratch the film.

4—Fold under the end of the protective paper and fasten it with the sticker.

5—Move the empty spool up to the WINDING KNOB end of the camera. Push in on the WINDING KNOB and turn the knob to make sure it engages the slot in the end of the spool. The camera is now ready to be re-loaded as described on pages 8, 9, and 10. Close the camera back, making sure that the latch catches.

EASTMAN KODAK COMPANY

This
Instruction Manual

... was prepared to help you make good pictures right from the start, and consequently get more enjoyment from photography. There are many Kodak publications on various phases of photography available at your Kodak dealer—some free and some at a nominal price. Ask for them.

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