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**Kodak
pocket
Instamatic[®]
60
Camera**

© Eastman Kodak Company, 1972

Congratulations! You've just joined millions of Kodak camera owners who have fun taking pictures. At Kodak, we know how important your pictures are to you. To help make them the best possible pictures, we hope that you'll read this manual thoroughly.

With your new camera, you enter the exciting world of existing-light photography. In any light, the electronic shutter *automatically* times each exposure. When taking pictures in low-light levels, an amber light will appear in the viewfinder as you press the shutter release. This indicates an exposure too long for you to hold the camera in your hand. For these exposures, follow the instructions on pages 9-12 and you can take pictures like this without flash:

Chances are you've never used a camera with an electronic shutter before, so be sure to follow the instructions carefully. If you don't, your pictures will be blurred.

If you feel that you need help or advice on using your camera, please write to our staff of photographic experts at Eastman Kodak Company, Photo Information, Dept. 841, 343 State Street, Rochester, New York 14650. (Should your camera ever require service, the warranty and instructions for obtaining service are printed at the back of this manual.)

THIS



NOT THIS





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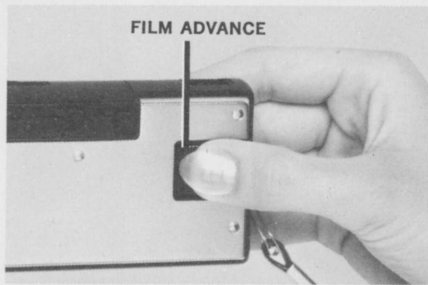
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to use your camera, simply do this . . .



1 Insert film cartridge to load camera (page 4). (Note EXPOSURE-CONTROL BATTERY—battery-check instructions on page 21.) Close back cover.

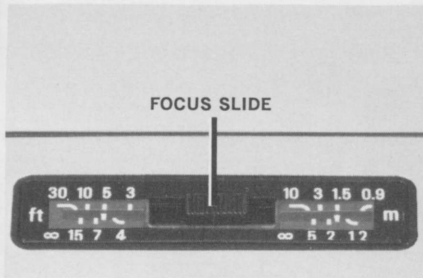


2 Push FILM ADVANCE *repeatedly* until first exposure locks in place (page 5). You may need to press the SHUTTER RELEASE before you can advance the film.

Serial No.

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3 Set camera-to-subject distance (page 7).

4 Aim through eye-level viewfinder for bright, clear image of your subject (page 6). Hold cam-

era steady; *slowly* depress shutter release—if amber indicator light appears in finder, *place camera on firm support* (page 12) or insert magicube. Smoothly depress shutter release to take picture.

... *read on for important instructions*

NEVER FORCE ANY CAMERA OPERATION; CHECK INSTRUCTIONS FOR OPERATION.



1

▶ Your camera takes all three—

- 1 Black-and-white prints
- 2 Color prints
- 3 Color slides

2



5

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3

Kodachrome
TRANSPARENCY



PROCESSED
BY KODAK



Before you take any especially important pictures, expose a cartridge of film and have it processed to check the camera and your operation of it. Take pictures outdoors and also indoors with flash.

Kodak films

Your camera uses film in 110 cartridges for instant loading and unloading. Select a film for the type of picture you want.

Type of Picture	KODAK Film	Produces	No. of Exposures	Processing	KODAK Mailer
Black-and-White Prints	VERICHROME Pan	3½ x 4½-inch black-and-white prints or enlargements	12	Order from dealer	None
Color Prints	KODACOLOR II	3½ x 4½-inch color prints or 5 x 7-inch color enlargements	12	Order from dealer or purchase KODAK Prepaid Processing Mailer (number shown at right) from dealer†	DP12
			20		DP20
Color Slides	KODACHROME-X	Color slides mounted in 30mm x 30mm plastic mounts (by Kodak) for projection*	20		PK20
	EKTACHROME-X		20		

*Duplicate slides or color prints available from original slides.

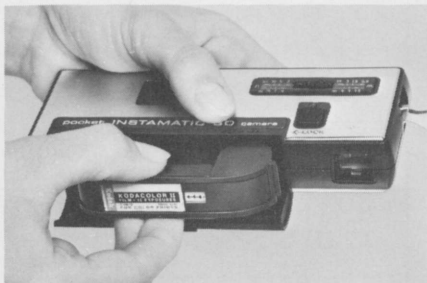
†Color films processed and mailed to address you specify.

DO NOT USE FILM WITH A SPEED HIGHER THAN ASA 125.

loading camera



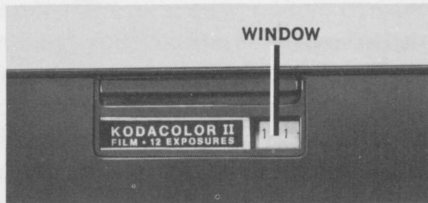
1 Open the hinged back cover by depressing the LATCH and lowering the cover.



2 After removing the 110 cartridge from its box and protective wrapping, insert the cartridge into the camera as shown. Close the cover by pressing it against the camera body until it locks. (The film name and number of exposures appear in the WINDOW in the cover.)



3 Push the **FILM ADVANCE** *repeatedly* with your right thumb until the advance locks—about 8 full strokes. (You may need to press the shutter release before you can advance the film.) You will see arrows in the window as you advance the film. The num-
IMPORTANT: Always operate the film advance until it locks, or you cannot depress the shutter release.



ber that you see serves as an exposure counter.

wrist strap

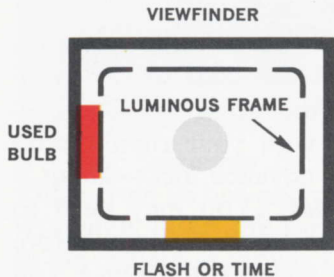
A removable **WRIST STRAP**, provided for your carrying convenience, is furnished with the camera. Attach the strap to the **WRIST-STRAP CLIP**. (Keep the wrist strap behind the front edge of the camera, especially when you take vertical pictures.)

viewfinder

A bright, eye-level, optical viewfinder provides an easy-to-view image of your subject. The image seen *within* the LUMINOUS FRAME will appear in your picture. (For better centering of your subject at distances closer than 6 feet, position your subject slightly to the left of center in the viewfinder for horizontal pictures, or slightly above the center for vertical pictures if you hold the camera as shown on page 11.)

Warning lights for used bulbs

and extended exposures may appear in the viewfinder *as you press the shutter release.*

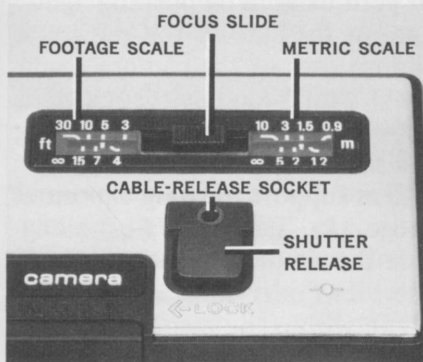


focusing camera

For the sharpest pictures, you will need to set (focus) the camera lens for the camera-to-subject dis-

tance. There are two ways of focusing your camera—rangefinder focusing and scale focusing. *For close-up pictures (especially with flash or in low-light levels), you must focus the camera carefully.*

Rangefinder focusing—Look at your subject through the viewfinder. In the center of the finder you will see a circular area with two images of your subject. Move the FOCUS SLIDE until the two im-



OUT OF FOCUS



CORRECT



ages coincide; you have set the lens correctly for that distance.

Scale focusing—Estimate the camera-to-subject distance; then move the FOCUS SLIDE until the red pointer is opposite the estimated distance. (You can use either the footage scale or the metric scale.)

double-exposure prevention

You never lose a picture by double exposing a frame. After taking a picture, you must operate the film advance until it locks, or you cannot take another picture.

shutter release

To prevent accidentally releasing the shutter and losing an exposure, lock the SHUTTER RELEASE of your camera by pushing lightly against the side of the release to slide it toward the camera name.

A CABLE-RELEASE SOCKET is provided for smoothly releasing the shutter when the camera is on a firm support for long exposures (page 12). The mark (-o-) alongside the shutter release and above the viewfinder indicates the film plane within the camera.

automatically timed exposures . . . in any light

Your camera's electronic shutter and lens opening are set automatically by the light existing in a scene. The shutter speed ranges from 1/250 second to 5 seconds or longer. The camera's *amber* indicator light (FLASH OR TIME) comes on *as you press the shutter release* when the exposure will be longer than 1/30 second (the light *remains* on during exposure). When the indicator light comes on, you have a choice—1) insert a magicube (page 14) and take a flash picture (from 4 to 30 feet),

or 2) place the camera on a tripod or other firm support for a long exposure (page 11).

While taking pictures, don't cover the ELECTRIC EYE, and don't point the camera directly toward the sun or other unusually bright light source. Otherwise, exposures will be incorrect.

When taking pictures outdoors in *bright* sunlight, the shutter speed will usually be fast enough to stop motion (for example, people walking or children playing). The bright sunlight will also cause

the automatic exposure control to set the lens to a small opening. The small opening produces a large range of sharpness in your pictures.

Store your camera and film away from heat and direct sunlight—never in the glove compartment, on the rear-window shelf, or in any other “hot spot” in a car.

NOTE: The color films listed on page 3 are intended primarily for daylight or blue-flash illumination. Pictures taken by tungsten light may appear orange; pictures by fluorescent light may appear green.

taking the picture

- Unlock the shutter release.
- Set the focus slide for the correct camera-to-subject distance.
- Bring the rear opening of the viewfinder close enough to your eye to see all four sides of the LUMINOUS FRAME in the finder. Then frame your subject (within the luminous frame) the way you want it to appear in your picture. With the rectangular 110-film format, compose your pictures either horizontally or vertically by holding the camera as shown

here (keep both hands and the wrist strap *behind* the front edge of the camera).

- Hold the camera steady and partially depress the shutter release (the indicator light may come on momentarily as the electric eye adjusts for the lighting condition). *If the amber indicator light does not come on and remain on, gently s-q-u-e-e-e-z-e the shutter release to take the picture. Don't jerk the camera by punching the shutter release or your pictures will be blurred.* (To hold the camera extra steady, stand still, keep your elbows close to

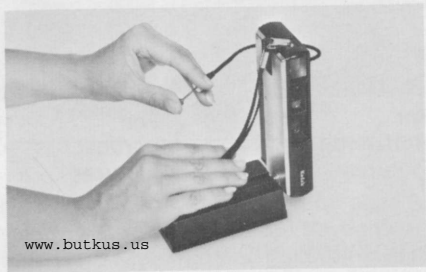
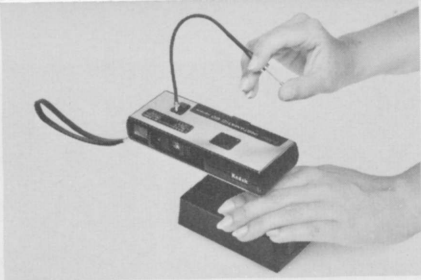


For
Horizontal
Pictures



For
Vertical
Pictures

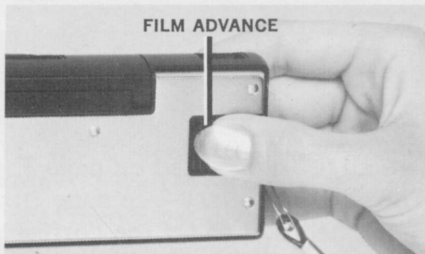
your body, and momentarily hold your breath while you take the picture.)



The KODAK Compact Camera Stand, Model 2 (with cable release), provides firm support and adjusts to any position.

IMPORTANT: If the amber indicator light (FLASH OR TIME) comes on and remains on, place your camera on a tripod, a solid flat support such as a table or wall (keep the camera near the edge so the support won't appear in your picture), or the optional KODAK Compact Camera Stand, Model 2 (with cable release). Install a cable release in the CABLE-RELEASE SOCKET. *Then hold the camera firmly on its support; press and hold the cable release (or shutter release) until the indicator light goes out.* **Any camera or subject movement during exposure will cause blurred pictures.**

- Push the film advance with your right thumb until it locks (1½ strokes). To be ready for the next picture, hold the camera at eye level while you advance the film.



IMPORTANT: Do not hold your finger on the shutter release while you advance the film.



Your pictures will be more interesting if you include close-ups of people. Move in as close as 3 feet.

IMPORTANT SUPPLEMENT to Your Instruction Manual

A separate BATTERY-CHECK BUTTON has been added to your KODAK Pocket INSTAMATIC® 50 or 60 Camera. Follow these instructions for checking the battery rather than those given in your instruction manual.

Depress the green BATTERY-CHECK BUTTON, located near the FILM ADVANCE on the underside of the camera. If the battery is good, the green light next to the button will glow. If the battery is weak, dead, or not installed in the camera, the light will not glow. (Sometimes this green light may glow while you are taking flash pictures. This does not mean that the battery is good—you must use the green button to check the battery.) To become familiar with the battery-check feature, test your camera battery now, and again periodically.

Consumer Markets Division



Rochester, New York 14650

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394-1-73-AEX

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IMPORTANT — PLEASE READ

ALTHOUGH MAGICUBES WILL FLASH WITHOUT A BATTERY, THE AUTOMATIC EXPOSURE-CONTROL SYSTEM IN YOUR CAMERA NEEDS BATTERY POWER TO GIVE YOU WELL-EXPOSED FLASH AND DAYLIGHT PICTURES. THE SIZE "K" BATTERY NOW INSTALLED IN YOUR CAMERA IS RELIABLE AND SHOULD GIVE YOU ABOUT A YEAR OF USE. PLEASE CHECK THE BATTERY NOW (SEE YOUR INSTRUCTION MANUAL) BEFORE YOU USE THE CAMERA, AND CHECK IT AGAIN PERIODICALLY.

Consumer Markets Division



Rochester, New York 14650

Pt. No. 633186

330-11-72-ABXX

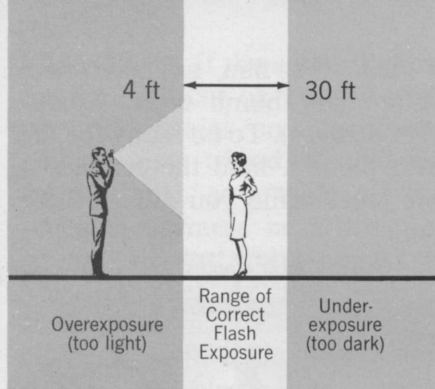
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flash pictures

Your camera features easy, rapid flash picture-taking with the self-powered magicube. As you advance the film, the cube rotates *counterclockwise* to bring one of its four bulbs into firing position.

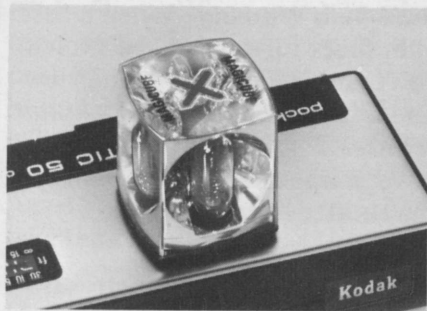
For the most pleasing vertical-format flash pictures, hold the camera as shown on page 11. This positions the magicube above the camera lens to help prevent unusual shadows in flash pictures.

When you make flash pictures, the camera-to-subject distance *must be between 4 and 30 feet*



with all the films listed on page 3. (The camera battery—see page 20—must be good to set the correct shutter speed for flash pictures.)

IMPORTANT: Be sure to use only the self-powered magicube. You will damage your camera if you try to use battery-powered flashcubes.



1 Insert magicube—Insert a cube into the socket on top of the camera; then press down on the cube until it snap-locks in place. (If a *used* bulb faces forward, rotate the cube until a fresh bulb faces forward.) To remove a cube, simply lift it off the camera.

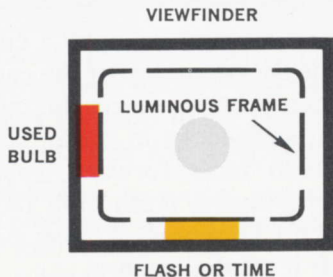
2 Set focus slide—The camera-to-subject distance must be set correctly for proper flash exposure. If you are closer than 4 feet, your subject will appear very light (overexposed) in the picture; farther than 30 feet, your subject will appear dark in the picture. If you do not set the focus slide correctly, your pictures will not be sharp or correctly exposed.

3 Take the picture—Bring the rear opening of the viewfinder close enough to your eye to see all four sides of the luminous frame in the finder. Then frame your subject the way you want it to ap-

pear in your picture. Hold the camera steady and gently s-q-u-e-e-z-e the shutter release to flash the bulb and take the picture (the red INDICATOR LIGHT—USED BULB—will appear in the finder as the bulb flashes). Then advance the film to the next exposure (the magicube will rotate automatically to bring another bulb into firing position).

NOTE: Disregard the amber indicator light when taking flash pictures. With a magicube in the socket, the shutter speed is set automatically for flash and no extended exposures will occur.

Used-Bulb Warning—When a used bulb faces forward, a red INDICATOR LIGHT will appear in the viewfinder *as you press the shutter release*. To observe this signal, it is very important that you press the shutter release *very slowly*.



Fill-In Flash—When you take pictures outdoors, shadows may appear on the faces of your subjects in some lighting conditions. To help lighten these shadows, place a magicube on the camera, set the focus slide (4 to 30 feet), and then take the picture.

NOTE: Under some circumstances, your subjects' eyes may appear red in flash pictures. To minimize this effect, turn up the room lights and insert the optional KODAK Magicube Extender (see page 22) into the cube socket. This raises the cube to minimize the red reflections, and also produces pleasing shadow effects in your flash pictures.



The optional KODAK Magicube Extender raises the cube to minimize "red-eye."

unloading camera

When you have taken the last picture, operate the film advance (about 6 *full* strokes) until diagonal lines or black paper appears in the camera window. You will feel a stiff resistance on the advance—**Do Not Force the Advance Any Farther.** Open the camera cover and remove the cartridge. **Do Not Open the Cartridge or Your Pictures Will Be Ruined.**

film processing

For best results, have your exposed film processed as soon as possible. Have your photo dealer arrange for processing (by Kodak or other laboratory) or purchase the appropriate KODAK Prepaid Processing Mailer from your dealer (see chart on page 3).

Standard color prints from KODACOLOR II Film are 3½ x 4½ inches, with the frame number and processing date on the print. Kodak Processing Laboratories will return KODACOLOR II Negatives (strips of 4) with an at-

tached form for ordering extra prints or 5 x 7-inch enlargements. (When you order extra prints or enlargements, *always* return the *uncut* strip of 4 negatives.)

Slides from KODACHROME-X and EKTACHROME-X Films are returned from Kodak Processing Laboratories in 30mm x 30mm plastic mounts. Frame numbers are visible in an opening in the mount. Duplicate slides and color prints are available from your original color slides.

For best results, project your slides with a KODAK Pocket CAROUSEL Projector (120 slides per tray). You can also use a

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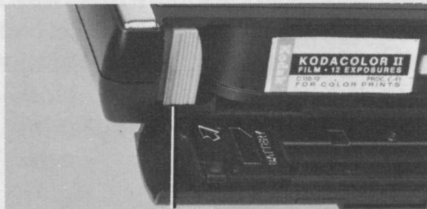
KODAK CAROUSEL Projector if you insert each 110 slide into a KODAK 2 x 2 Adapter for 110 Slides.

camera care

With proper care and handling, your camera will provide years of enjoyment. Clean the viewfinder lenses and the protective glass in front of the picture-taking lens when necessary by blowing away any dust or dirt. Then breathe on the surfaces and wipe them gently with a soft, clean, lintless cloth (or use KODAK Lens Cleaning Paper moistened with KODAK Lens Cleaner).

exposure-control battery

To power the camera's indicator lights and automatic exposure-control system, a size K battery is supplied installed in your camera. Replace the battery after about a year of use (mark the date on a new battery when you install it).



EXPOSURE-CONTROL BATTERY

cleaning battery

- 1** Open the back cover of the camera.
- 2** Push the battery down and toward the center of the camera to free it from its retainer; remove the battery. Clean the contact surfaces of the battery with a rough cloth. Reinstall the battery, using the diagram on the cover as a guide.

checking battery

Before you insert a cartridge of film, check the battery condition.

1 Push the film advance as far as it will go and allow it to return.

2 Cover the electric eye with your hand; then point the camera away from any bright light source.

3 Look at the shutter while you depress and *hold* the shutter release for about 4 seconds.

If the battery is good, the lens diaphragm (opening) will open

fully and the shutter will open and remain open until you remove your finger from the release. If the battery is weak or dead, the lens diaphragm will open slowly or not at all, and the shutter will trip but not open; install a new battery.

serial number

A serial number is stamped on the bottom of your camera near the film advance. Make a note of this number for your records.

photo aids . . . see your photo dealer

KODAK Pocket INSTAMATIC Camera Case, Model B—A convenient way to carry your camera. Attach to your belt, or use camera's wrist strap to carry camera.

KODAK Compact Camera Stand, Model 2 (with cable release)—The stand screws into the camera's tripod socket to hold the camera firmly during long exposures. A cable release (supplied) stores in the base of the stand.

KODAK Magicube Extender—Increases separation between magicube and camera lens. Produces more pleas-

ing flash pictures by minimizing "red eyes" in flash pictures of people.

KODAK Pocket CAROUSEL Projectors—Show your 110-size color slides big, bright, and sharp on the screen. Up to 120 slides can be stored in a single Pocket CAROUSEL 120 Slide Tray.

KODAK 2 x 2 Adapter for 110 Slides—Adapts your slides for showing with projectors accepting 2 x 2-inch slide mounts, such as KODAK CAROUSEL Projectors. Use one adapter for each slide.



KODAK Publications



To help you take pictures you and your friends will enjoy seeing over and over again, Kodak publishes many fascinating idea books. The keys to snapshot fun and success are found in *Picture the Fun with Your KODAK INSTAMATIC® Camera, AC-1* (\$.75). The fundamentals of still photography for the amateur are found in *How to Make Good Pictures, AW-1* (\$1.50). Your photo dealer will be glad to show you these and other inexpensive books on photography.

If your dealer cannot supply these books, order by title and code number directly from Eastman Kodak Company, Dept. 454, Rochester, New York 14650. Please send the amount for the book and include applicable state and local taxes. (Prices subject to change without notice.)

technical details

Film Size—110 cartridge; 12 or 20 exposures producing 13 x 17mm negatives or transparencies.

Film Advance—Two-stroke thumb advance on bottom of camera.

Rangefinder—Coupled to lens; double image visible within spot in center of viewfinder.

Lens—26mm, four-element $f/2.7$ EKTAR Lens; continuous unit focus—3 feet to infinity on footage scale, 0.9 meters to infinity on metric scale.

Shutter—Electronic (1/250 second to 5 seconds or longer); battery-powered (size K); cable-release socket; shutter-release lock.

Flash—Self-powered magicubes; cube rotates as film advances; automatic exposure control for flash distances—4 to 30 feet.

Viewfinder—Projected-frame; red indicator light for used bulb; amber indicator light for exposures longer than 1/30 second (use firm support).

Construction—Plastic with metal panels; tripod socket; clip for wrist strap.

helpful hints for better pictures

Taking pictures with your camera is fun and easy. We believe you'll be happy with the many fine pictures you take with it. If occasionally one of your pictures isn't all that you expected, refer to the chart below. When you know what went wrong, you can make sure that it won't happen again.

What Happened	Probable Cause	Correction
No picture or partial picture.	a) Dead battery. b) Hand, fingers, or wrist strap in front of lens. c) Camera support obstructed lens.	a) Check battery (page 21). b) Keep both hands and wrist strap behind front of camera. c) Keep camera close to edge of support.
Daylight pictures too dark.	a) Weak battery. b) Battery needs cleaning. c) Shutter release not held down until indicator light went out.	a) Check battery (page 21). b) Clean battery (page 20). c) Observe indicator light (page 11).
Daylight pictures too light.	a) Electric eye obstructed during picture-taking. b) Weak battery.	a) Make sure electric eye isn't obstructed by fingers or other object. b) Check battery (page 21).

What Happened	Probable Cause	Correction
Flash pictures too dark.	a) Subject too far from flash. b) Weak battery. c) Incorrect focus setting.	a) Subject must be no farther than 30 feet from flash (page 15). DO NOT WASTE FILM ON GREATER DISTANCES. b) Check battery (page 21). c) Set focus slide for correct distance (page 7).
Flash pictures too light.	a) Subject too close to flash. b) Incorrect focus setting.	a) Subject must be at least 4 feet from flash (page 14). b) Set focus slide for correct distance (page 7).
Flare in flash pictures.	Hand or fingers too close to lens.	Keep both hands behind front of camera.
Red reflections in subject's eyes.	Flash reflected from subject's eyes to camera lens.	Turn up room lights and install optional KODAK Magicube Extender in cube socket.
Pictures blurred.	a) Camera movement. b) Subject movement. c) Incorrect focus setting.	a) Hold camera steady; gently squeeze shutter release (page 11). b) Subject should be stationary or moving very slowly. c) Set focus slide for correct distance (page 7).
Foggy, misty pictures.	Dirty camera lens.	Clean glass lens cover (page 19).
Subject not centered or partly cut off.	Improper use of finder.	View subject within luminous frame of viewfinder (page 10).