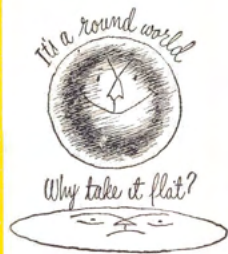


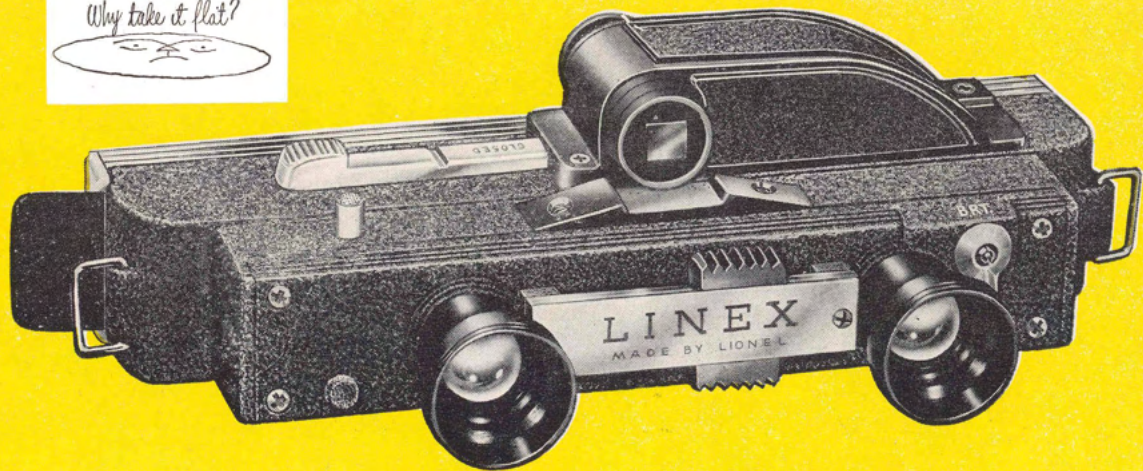
Here's how to use your new **LINEX** stereo camera

don't lose this  
book • price \$1<sup>00</sup>





# *the* **LINEX** *stereo camera*



*Made and Guaranteed by LIONEL*

Copyright 1954 • Linex Corporation • 15 E 26th Street • New York 10, New York • A Division of The Lionel Corporation

brings the thrill of **3-D** reality

Your new LINEX Stereo Camera will speak the truth . . . tell your real-life story in bright, full color, in three dimensions . . . capture vivid moments exactly as you treasure them in memory. Perhaps your friends used to glance at your ordinary snapshots and grunt, "Uh-huh. Nice." Now just show them your LINEX color 3-D shots and they'll rave, "It's the real thing! You could shake hands with those people, pick those flowers!" That third dimension is pure magic. No trick to using the LINEX, either. First, try a practice run. With no film in camera, go through the motions of shooting, until you have it all down pat. Everything easy and natural in your two hands. *Then*, make the best photographs ever!

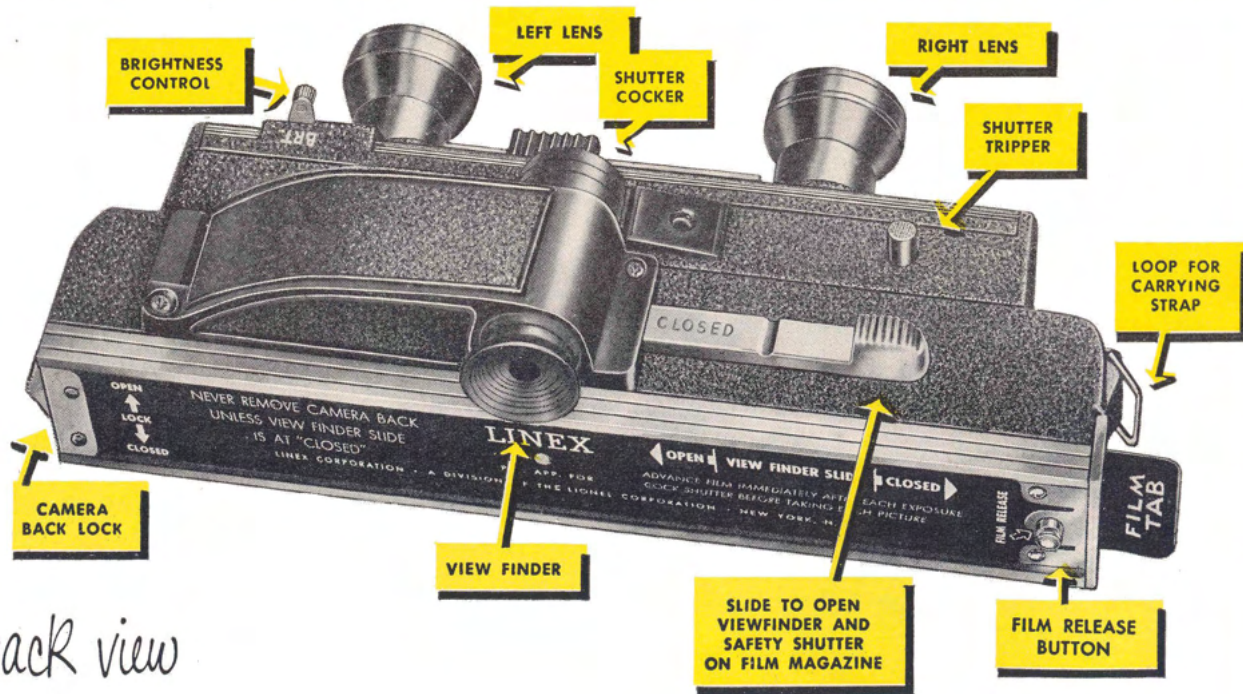
## INDEX

|                            | <i>Page</i> |
|----------------------------|-------------|
| CAMERA FRONT AND BACK      | 4 & 5       |
| HOW TO LOAD FILM           | 6 & 7       |
| HOW TO OPERATE CAMERA      | 8           |
| HOW TO HOLD CAMERA         | 9           |
| HOW TO MOVE FILM           | 10          |
| HOW TO REMOVE FILM         | 11          |
| MAILING FILM TO LABORATORY | 12          |
| RETURNING FILMS TO YOU     | 13          |
| MOUNTING FILMS IN FRAMES   | 14          |
| HINTS ON COLOR STEREO      | 15, 16, 17  |
| VIEWER PARTS AND CONTROLS  | 18 & 19     |
| FILING MOUNTED SLIDES      | 20          |
| LINEX STEREO FLASH         | 21          |
| COMPLETE LINEX OUTFIT      | 22          |
| LINEX GUARANTEE            | 23          |



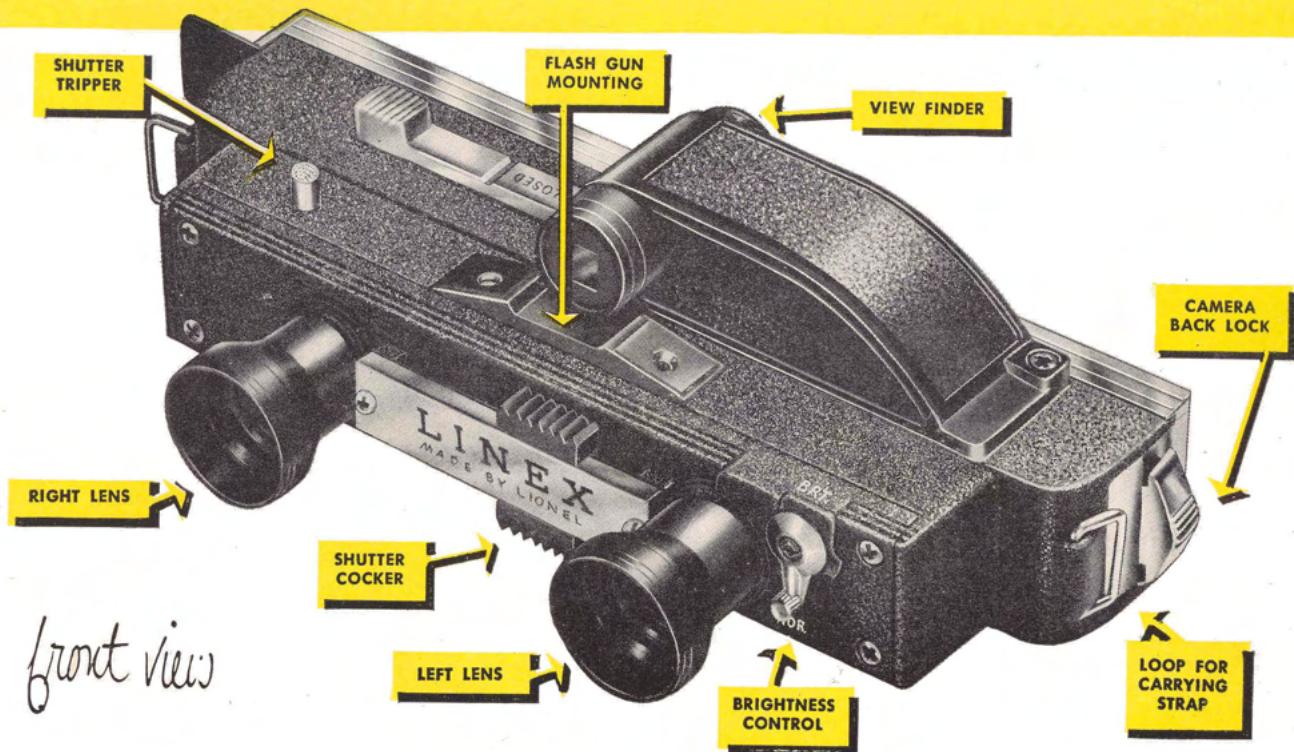
4

# Let's get acquainted with your **LINEX** stereo camera



back view

so easy to operate! step by step instructions on following pages.





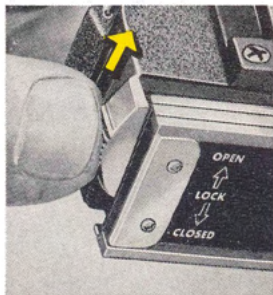
# How to load your **LINEX** stereo camera



Move viewfinder release away from viewfinder to closed position.

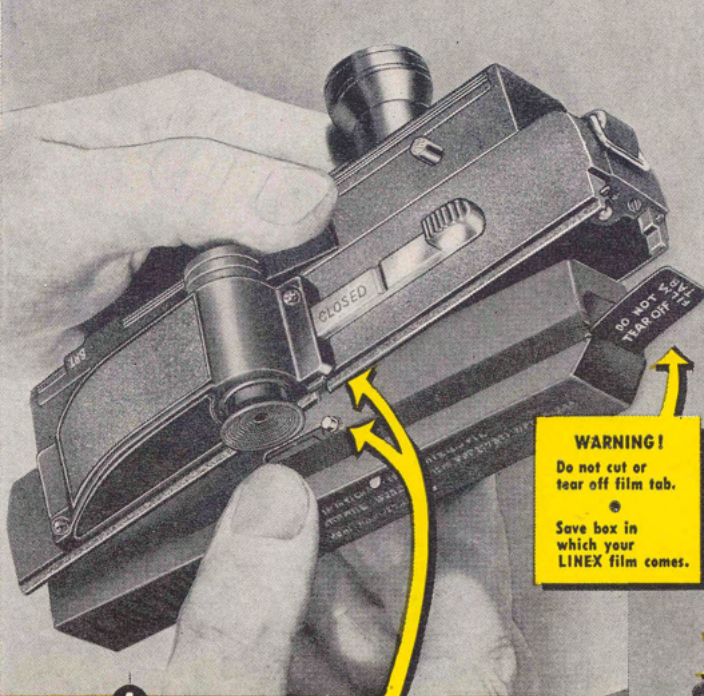
Push camera lock upward to open position.

2



Remove back of camera. You are now ready to put in your **LINEX** color film magazine.

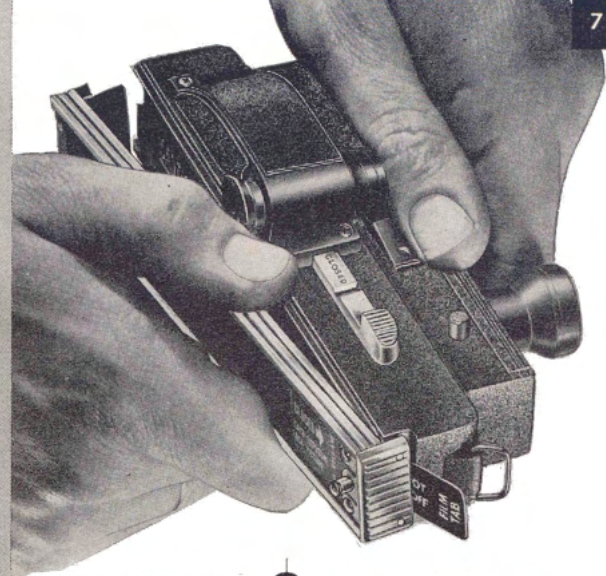
3



**WARNING!**  
Do not cut or tear off film tab.  
●  
Save box in which your LINEX film comes.

4

Place film magazine in camera. Make sure that viewfinder release is at CLOSED. Pin on top (see arrow) fits into slot in camera. **Don't remove film tab.**

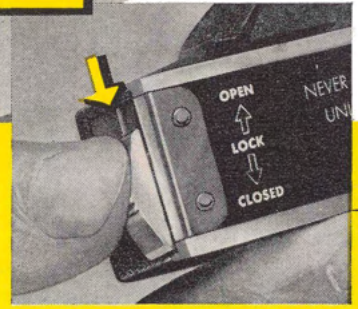


5

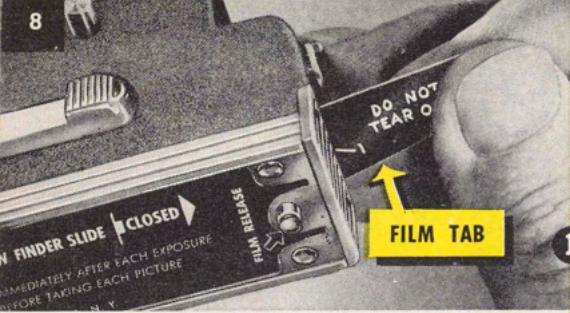
Replace back on camera, leaving film tab sticking out from end of magazine and camera.

6

Lock back on camera by pushing camera lock downward to closed position.

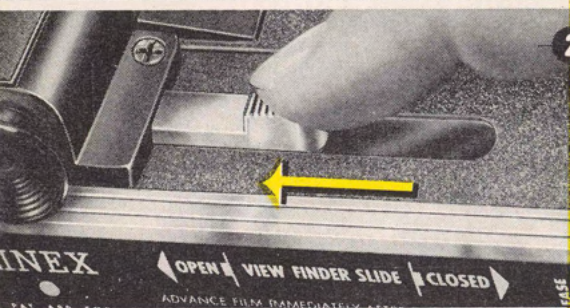






FILM TAB

- 1 Pull film tab out until you hear it click.



- 2 Push viewfinder release to **OPEN** position. Now you can see through finder.



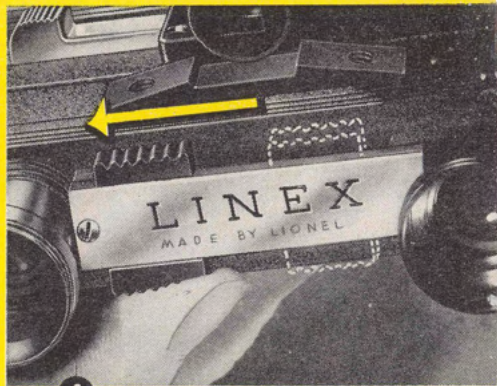
FOR EXTRA BRIGHT DAYS



FOR NORMAL SUNNY DAYS

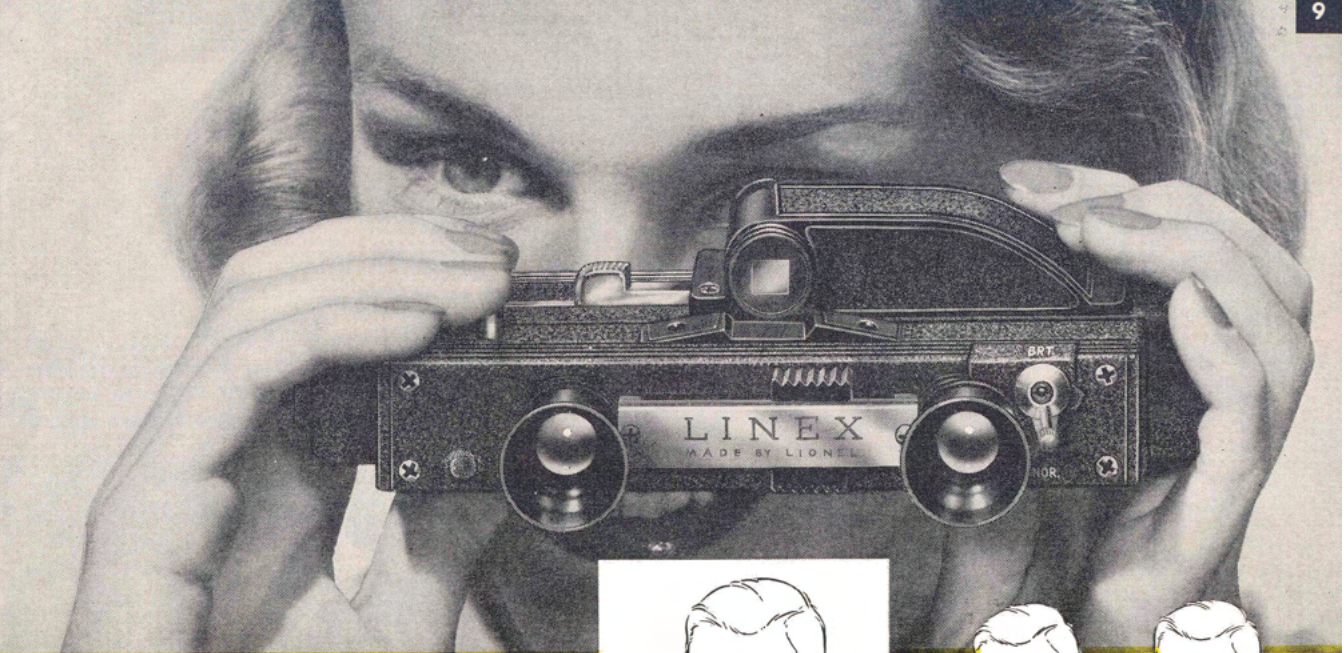
- 3 Two views of brightness control. Keep lever straight down for normal sunny days. Turn lever **up** for extremely bright sun at beach, or in sunny snow scenes.

**NOW** - take your first picture



- 4 **Cock shutter before taking each picture.** Push shutter cocker to left as far as it will go, then release. It will spring back. Shutter is now cocked.





5

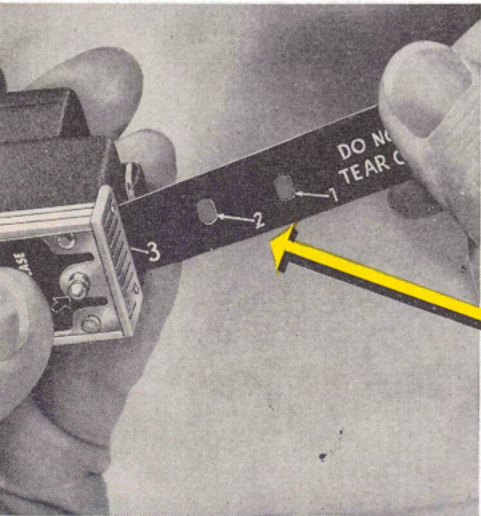
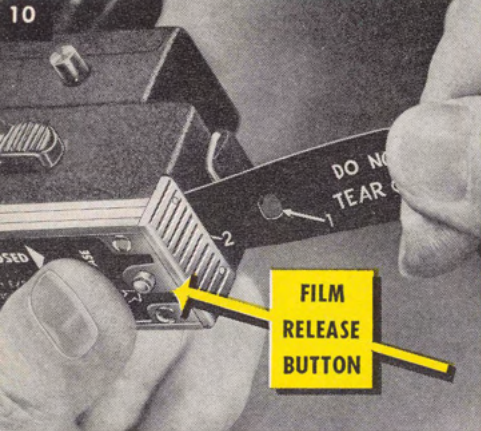
Hold camera level and steady as you look through viewfinder. Have nearest subject approximately 6 feet from camera. Press shutter tripper gently. And that's all!



**RIGHT WAY**  
to hold camera,  
exactly level,  
horizontally.



**WRONG WAYS** to hold stereo camera, tilted off the horizontal. Makes imperfect stereo pairs.



And then—move film  
for next picture

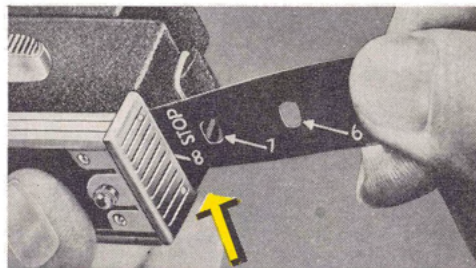


Always advance film to next exposure immediately after shooting to avoid double exposure. Be sure to cock shutter before taking each picture.

**FIRST** press down film release button. (Don't hold it down.) Now pull out film tab slowly and firmly until it clicks to a stop. The number **2** will indicate that you are ready for your second shot (and so on).

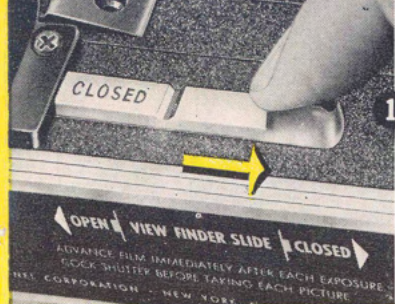
Repeat as above after each picture until all 8 pairs are exposed.

**NOTE!** Film tab is **NOT** the film. It is only the leader which enables you to advance the film from picture to picture within the light-tight magazine.



After exposing the **8th** pair of pictures **STOP**. Remove magazine from camera, and insert a fresh magazine. Don't try to pull leader past No. 8 exposure.

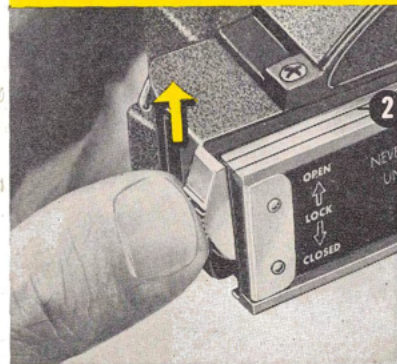




1

After taking last picture (No. 8) move viewfinder slide to **closed** position. Never remove magazine from camera unless slide is **CLOSED**.

## How to remove film magazine



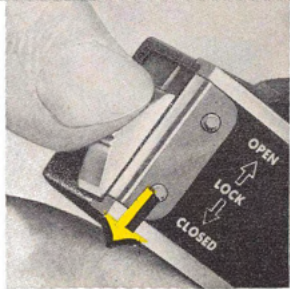
2

To open camera back push lock to **OPEN** position. (Be sure viewfinder slide is in closed position.)



3

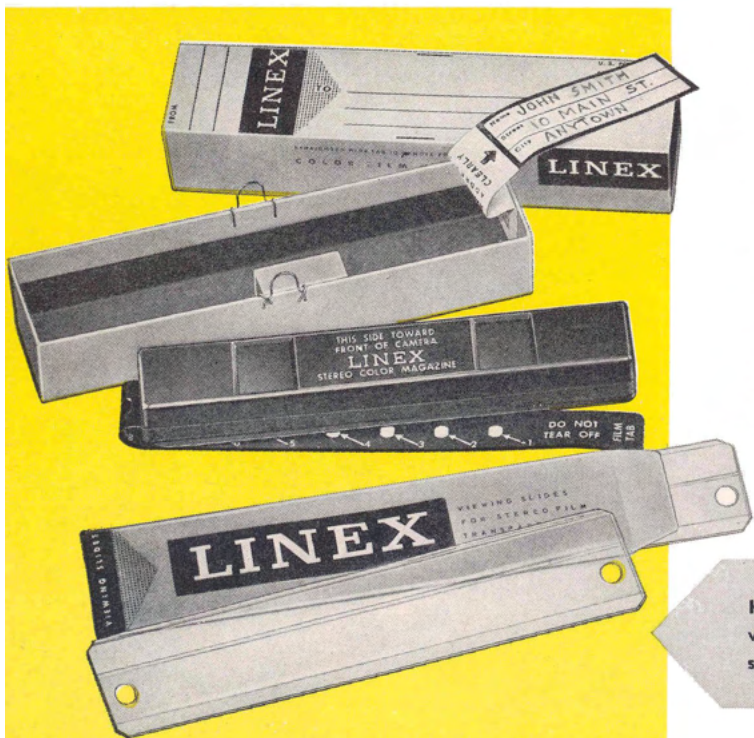
Now **remove** camera back. Take out exposed magazine, and put in a fresh one. Now replace back and lock to **CLOSED** position.



# Mail film to processing laboratory



DON'T FORGET to print  
your name and address clearly



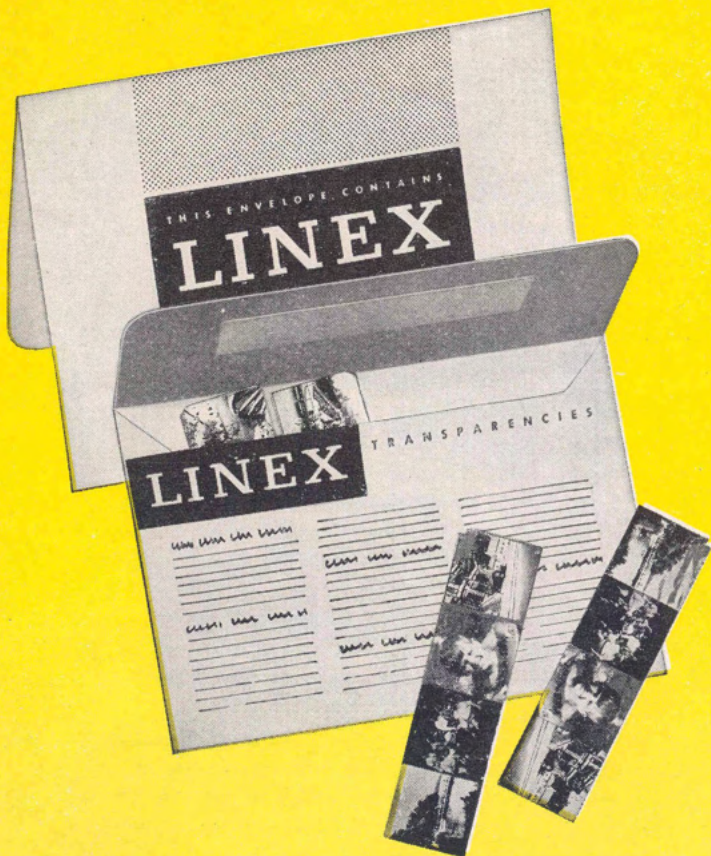
## IMPORTANT!

You saved the box in which your **LINEX** film came, of course. Place exposed film magazine in same box, and mail to nearest processing laboratory. Name is listed inside box.

Print your name and address on label. **Do not** tear off label. Close box with wire clamps. On face of box, write name and address of processing laboratory, also your own name and address. Stick on stamps, and mail. Processed film is returned without charge.

**KEEP THE TWO PLASTIC VIEWING FRAMES** which came with film. Use them to mount your 8 stereo pairs when you receive processed film.





*how your*

**PROCESSED FILM**

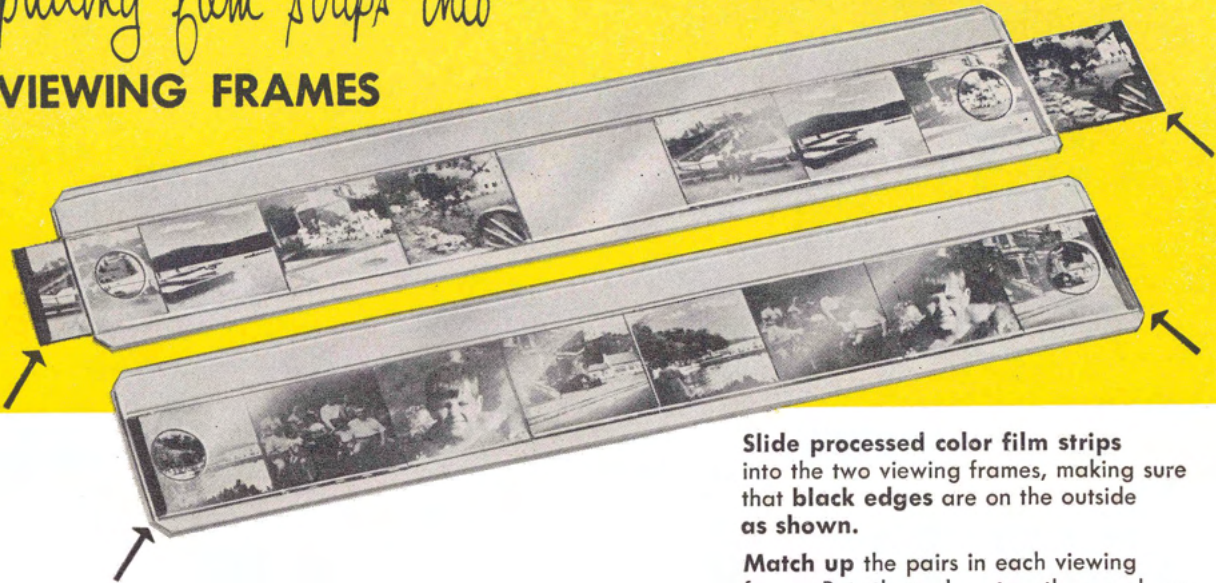
*is returned to you*

**In this envelope** you will find your processed color stereo film, in four pockets, each holding a strip of film.

Insert these four strips into the two plastic viewing frames which came with unexposed film.

There are **right hand** and **left hand** pairs. To **match up pairs**, see simple instructions on next page.

# putting film strips into VIEWING FRAMES



Slide processed color film strips into the two viewing frames, making sure that **black edges** are on the outside as shown.

**Match up** the pairs in each viewing frame. Butt them close together as shown in lower frame. Now view your pictures in the LINEX Stereo Viewer.

If pairs are not in perfect **3-dimension register** in the viewing frame, adjust them by moving film strip to right or left until **perfect** stereo pictures appear.

**AVOID  
FINGERPRINTS  
HOLD FILM  
ON EDGES**



Top of viewing slide provides space for you to insert the titling strip which comes with magazine.



# HINTS on making fine color stereo pictures

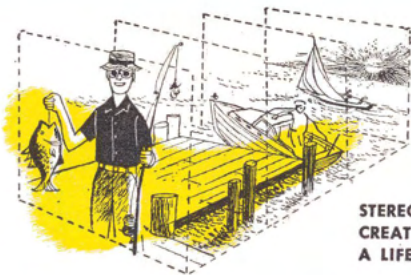
*Have something doing in the foreground, don't get too far away from your center of interest. That is the advice often dinned into the ears of snapshooters with ordinary cameras.*

If it is wise counsel for them, it is imperative for the maker of stereo shots. Your LINEX Stereo Camera is designed for photographing subjects from 6 to 10 feet distant from the camera.

**DON'T GET TOO FAR AWAY FROM YOUR CENTER OF INTEREST**



The farther away you retreat from your material, the less striking is the stereo or three-dimensional effect. In fact, mountains in the far distance, miles away, do not look three-dimensional at all, but just stand there like a stage backdrop. It is a matter of physical and optical law, and no camera can change this state of affairs.



**STEREO EFFECT  
CREATES DEPTH,  
A LIFE LIKE IMAGE**

Since foreground objects get the big play in stereo, there is another matter to keep in mind. Some insignificant item, such as a weed, or rock, or old tin can, which you didn't notice, lying there in the foreground, will loom right up in a stereo photography. So you soon learn to watch out for and avoid unwanted foreground material.

You will be shooting with color film. In some ways this is easier than making black-and-white pictures. You don't have to worry whether somebody's brown hair is going to merge with a green bush in the background. The stereo effect also helps to separate planes, keep objects from running together into one image.

## Tips about color

But there are certain facts to remember about color film. It is not as fast as black-and-white film, and it does not tolerate as great brightness range. Let's see what all this means, to a camera fan out shooting pictures.

First, about speed. Very fast action is something you avoid, in color. That does not mean you must have a posed, lifeless effect merely to prevent blurs.

You simply watch for "the peak of action."

Let's say a child is swinging back and forth in a swing. As the swing comes to the end of a forward movement, there is an instant of comparative stillness before it starts to swing back. Quite a long instant, in fact. Click the

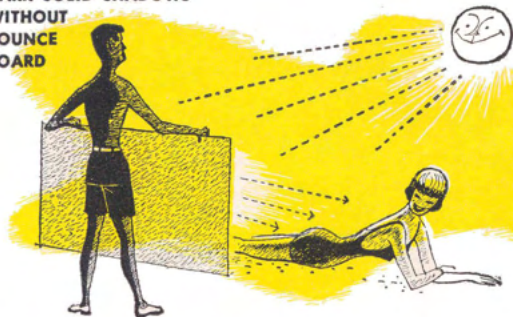
shutter at that peak-of-action moment and you get a good color shot which looks like a fast stop-action picture.

Now for brightness range. Suppose you have some green foliage, blue sky, a girl in a dark blue skirt and white blouse, all in one picture. There is a great brightness range between the white and dark blue.

The medium tones, neither very dark nor very light, will come out best. Of course, you can't



**DARK SOLID SHADOWS  
WITHOUT  
BOUNCE  
BOARD**



always manage to control colors in subject matter. Well, loss of detail in dark areas is usually not too serious. Just don't blame the film, camera, or your own inexperience for rather suppressed darks.

On the other hand, supposing you are photographing that lovely blond, in a pale green dress, against a light blue sky, in strong sunlight. No great brightness range, but everything extremely light in color. It might pay, for such a shot, to turn up that Brightness Control lever on your LINEX. (See page 8.)

Of course, you don't use this lever for sunlight on average subjects, not limited to light colors. This lever is intended for brilliant light at the seashore, in snow scenes, etc.

You do want plenty of sunlight for average subjects. A dull, overcast day is not for the color fan. If there is only a thin cloud veiling the sun from time to time, on a sunny day, that veiling



does not count as overcast. It merely softens the light, and is fine for color pictures.

For one thing, the slightly-veiled sun is less likely to make people squint their eyes when they pose for you. Another way to avoid the sun grin is to turn the gaze away from the strong light. Have the person look at some dark object.

Shadows are something else to study. It is an unfailling law that the brighter the light the deeper the shadow. There are several good tricks for outsmarting shadows. Many photographers just shoot a blue flashbulb to fill in shadows in outdoor color shots on daylight color film. Your LINEX film is of this type.

Another useful device is a bounceboard. It need not be a board. A newspaper unfolded to full size and held out of camera range by Junior or any helper, at an angle to reflect light onto the shaded side of the subject, will greatly improve color and detail in the shadows.

In photographing people, the shadow fill-in is especially important, to keep skin tones pleasant.

Another good tip is this: don't let your subject stand too near the background. Keep at least five feet of distance be-



**POSE OBJECTS AWAY FROM BACKGROUNDS**

tween subject and background. The stereo effect will be better and you will avoid heavy, ugly background shadows.

And how do you make out with group shots? Too often groups fall into the string-of-pickereel or police-line-up pose. Arrange the group more naturally, with all of them clustered around some interesting object, or looking at one member of the group.

Or, let them perch on a wall or fence, at different heights. Avoid that deadly row of heads.



**POLICE-LINE-UP POSE**

Many camera fans make every shot with the light coming from behind them. It's safe, but dull. Take a chance and try a backlight once in a while.

Of course\* you don't want the sun coming right straight at the camera lens. It should be on a slant from the side back. Such lighting is beautiful on branches of apple blossoms or masses of autumn foliage. If the girl friend is included in the shot, do fill in the shadows. But oh boy, what backlight does for blond hair!



**VARIETY IN POSE IS INTERESTING**

*the* **LINEX** *stereo* **VIEWER**



Always push viewing slide through slot in viewer until you see the same picture in each eye-piece. Pictures are then in stereo-register.

*just look*

at those glowing, round-and-real photographs in your **LINEX Stereo Viewer**! Slip a film slide into the viewer, press illuminating button on the bottom, peek through eyepieces. Great day!



**COVER PLATE**  
comes off easily,  
to insert  
batteries.

**SLIDEMOUNT SLOT**

**TRIPOD  
SOCKET**

**ILLUMINATING  
PUSH BUTTON**

**PRESS**

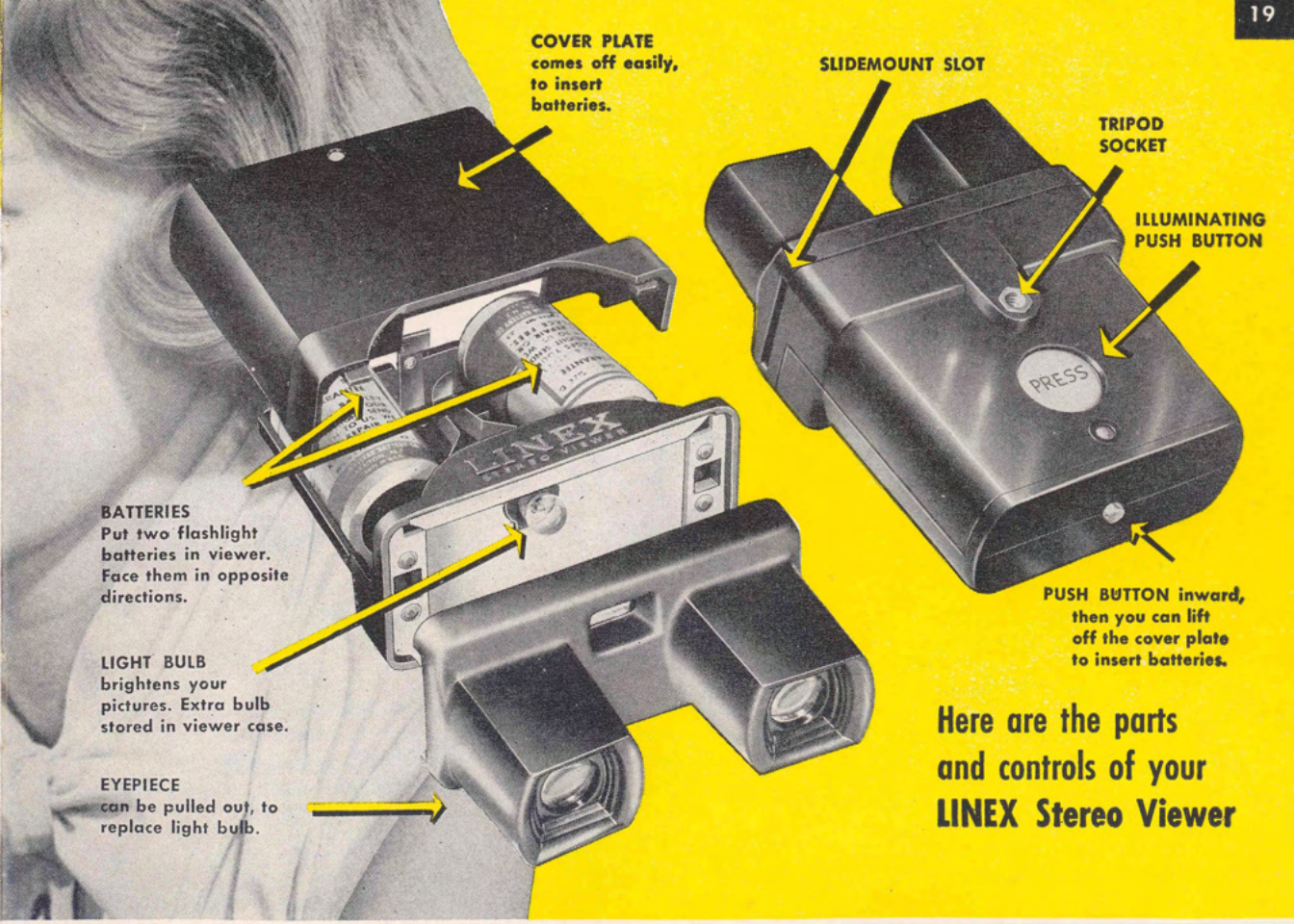
**PUSH BUTTON** inward,  
then you can lift  
off the cover plate  
to insert batteries.

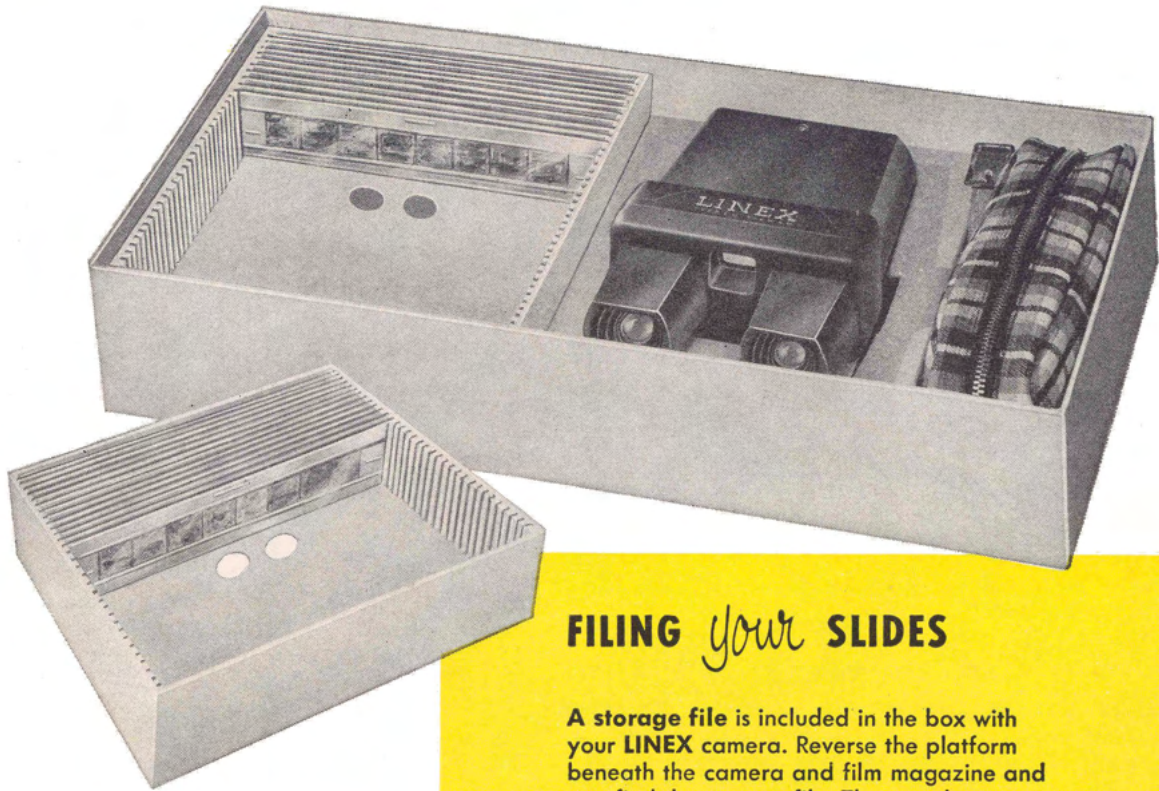
**BATTERIES**  
Put two flashlight  
batteries in viewer.  
Face them in opposite  
directions.

**LIGHT BULB**  
brightens your  
pictures. Extra bulb  
stored in viewer case.

**EYEPIECE**  
can be pulled out, to  
replace light bulb.

**Here are the parts  
and controls of your  
LINEX Stereo Viewer**

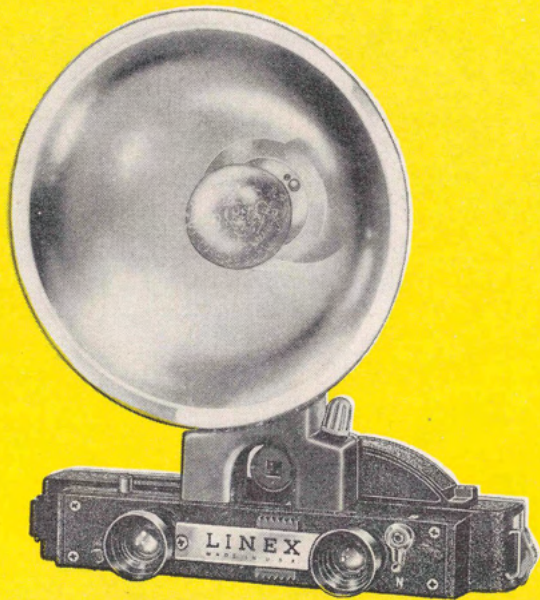




## FILING *your* SLIDES

A **storage file** is included in the box with your **LINEX** camera. Reverse the platform beneath the camera and film magazine and you find the storage file. Thus you keep camera in case, viewer and slides safe and handy at all times.





## LINEX *Stereo* FLASH

A **LINEX** flash gun is available for your **LINEX** Stereo Camera. Shutter and flash gun synchronized. Two threaded socket mountings for gun are provided on top of camera.

## how to use **FLASH**

- In poor light, of course, you shoot with flash.
- To fill in shadows, even in bright sunlight, a flash often helps a lot.
- Use blue flash bulbs in the **LINEX** flash gun with **LINEX** daylight color film, or white bulbs with the blue shield.
- A plastic reflector shield is included with flash equipment.
- You will find complete instructions with your **LINEX** Stereo Flash Gun.

Price \$6.50 (batteries extra)

*you get all this*

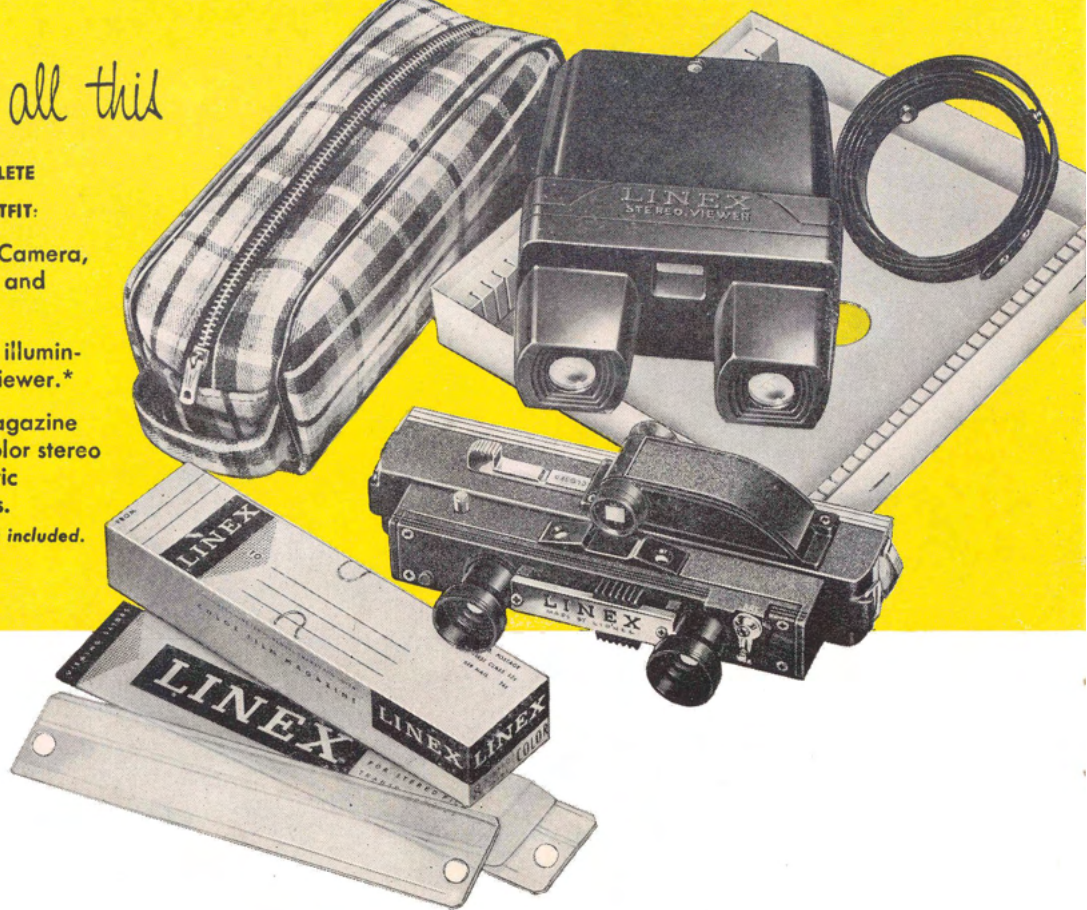
IN YOUR COMPLETE  
**LINEX** OUTFIT:

**LINEX** Stereo Camera,  
shoulder strap and  
carrying case.

**LINEX** Battery illuminated  
Stereo Viewer.\*

One **LINEX** magazine  
of 8 pairs of color stereo  
film. Two plastic  
viewing frames.

\*Batteries are not included.





LINEX

LINEX

LINEX

LINEX

LINEX

LINEX

**ONE YEAR  
GUARANTEE**

- Your LINEX Stereo Camera and Viewer are made by Linex Corporation, a division of the LIONEL CORPORATION, makers of the famous Lionel trains and accessories for over 50 years.
- Both camera and viewer are guaranteed for one year against any and all mechanical defects.
- The names LINEX and LIONEL both stand for high quality and integrity of craftsmanship.
- There can be no sounder guarantee.

LINEX

LINEX

LINEX

LINEX

**LINEX** *stereo camera*

**MADE AND  
GUARANTEED BY  
LIONEL**