

15¢

\$5.50 A YEAR

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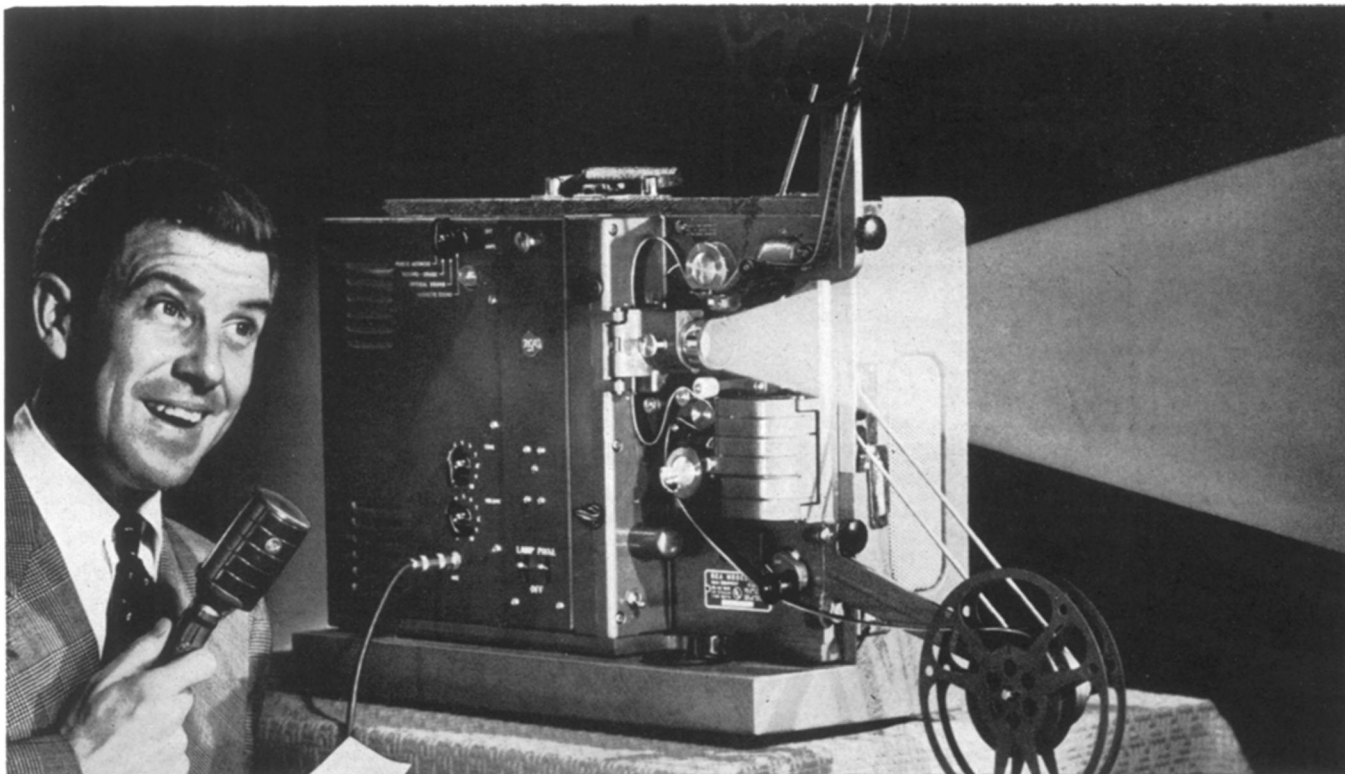
SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Giant Helicopter
See Page 295

A SCIENCE SERVICE PUBLICATION



Here's the easy way to add sound to your films

the new RCA 16mm Magnetic Recorder-Projector

Now add a sparkling, new sound track to every 16mm film you use. And do it in minutes—with the new RCA magnetic recorder-projector.

It's the easy, low-cost way to make your films work harder, offer more. With your own sound track on film—old films can tell a new story . . . a general message can be made specific . . . scratched optical sound tracks can be replaced . . . films can speak two languages—one on optical track and the other on magnetic sound track.

With this new RCA projector you can now add sound to your silent films after duplicating on single perforated stock. Or, at a new commentary on your sound films—without impairing your present optical sound track. Add a simple narration, or prepare a complete production in sound.

It's magnificent sound, because it's magnetically recorded sound. And it's just as easy to prepare as a tape recording. To make your own sound track with the RCA magnetic recorder-projector, here's all you do.

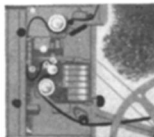


1. HAVE MAGNETIC STRIPE ADDED TO YOUR FILM

Laboratories are set up to add a narrow magnetic stripe to your films quickly, expertly—for only a few cents a foot. Exposed film or raw stock can be striped. Sixteen- or 24-frame speed can be used. Double-perforated films (films with two sets of sprocket holes) must be duplicated on single-perforation stock.

2. THREAD PROJECTOR AND SET CONTROLS

Thread the RCA projector as you would for a regular showing. Turn knobs to "record" position, thread film over magnetic recording heads and you're ready to record. No extra gadgets to attach. No extra equipment to set up.



3. WATCH PICTURE—SPEAK INTO MICROPHONE

Record your message on film as you watch the picture. Stop . . . erase . . . re-record at any time. You can plan your recording for a single showing—or use it over and over again.

Compare sound reproduction before you buy

Listen to the magnificent sound reproduction from the RCA magnetic recorder projector before you buy any type of sound projector. You've never heard such faithful sound on 16mm film. And RCA's quiet projector mechanism—the famous "thread-easy" mechanism—keeps irritating projector noise out of your recording. For a superb presentation of either optically or magnetically recorded films, listen to the RCA magnetic recorder-projector. Listen . . . compare . . . before you buy.

For New, Free Bulletin MAIL COUPON NOW

Visual Products, Dept. 174K,
Radio Corporation of America,
Camden, N. J.

Please send me your new, free bulletin, "RCA Magnetic Recorder-Projector."

Name _____

Title _____

Organization _____

Address _____

City _____ Zone _____ State _____



VISUAL PRODUCTS
RADIO CORPORATION of AMERICA
ENGINEERING PRODUCTS DEPARTMENT, CAMDEN, N. J.

How to extend Christmas THE WHOLE YEAR THROUGH

FOR THE MOST UNUSUAL PERSON
ON YOUR CHRISTMAS
LIST



Wouldn't he (or she) like a gift of twelve packages, one to arrive each month in 1953?

Twelve Surprises plus another we'll add

IN EACH 1953 gift package, there will be several objects of science, and with each object, a museum-style legend card, which will tell at a glance what these THINGS of science are. Included will be the sheets of explanation, that give the interesting details of discovery, of development, of manufacture, and that tell how to perform unusual experiments with the contents of the package.

Since late in 1940, packages like these have been going forward to members of the THINGS of science group. Glance over this list, then decide whether a membership which brings monthly packages on subjects as widely varied as these, isn't just the thing for that most unusual person on your Christmas Gift list.

- | | | |
|-----------------|------------------------|------------------------|
| Unusual Fabrics | New Fabrics | Steel |
| Rayon | Wetter Water | Paper Chromatography |
| Glass Fibers | Humidity | Motion Picture |
| Rubber Plant | Computation | Nut Trees |
| Cotton Ball | 1951 Seeds | 1952 Seeds |
| Home & Office | Basic Chemicals | Titanium |
| Ramie | Wood Identification | Pyrethrum Insecticides |
| Lecithin | Sea Shells | Mathematical Curves |
| Fungicides | Paper Making | Highway Safety |
| Color | Fertilizer | Carbon Black |
| Kidskin | Casein | Optical Illusions |
| Soybean | Textile Identification | Fiberglas-Plastic |

You know the one who would thank you again and again for such a gift. And if you are not yourself a member, you could hint to someone that you'd like it as a gift yourself.

The 1953 THINGS of science will be unusual; every month's package will be a surprise. A Christmas Membership to THINGS of science will bring the 12 units of 1953, plus an extra unit which we will select and add to your gift with our compliments. We will make out and mail a Christmas card with your name as donor, announcing your gift. Each membership is \$5 a year, postpaid. You will find a handy order coupon below.

Gift from

MY NAME.....

STREET ADDRESS.....

CITY AND STATE.....

Mail this order to THINGS of science, 1719 N St., N. W., Washington 6, D. C., for the 12 units of 1953

- I enclose \$5.00 for the following
 Please bill me after Christmas

Gift to

PLEASE PRINT

STREET ADDRESS.....

CITY & STATE.....

MAKE OUT Christmas Card
TO READ from.....