

New Phosphors Brighten Color Television Tubes

By REYNOLDS KNIGHT

Would you recognize europium or yttrium if you saw either of these "rare earths"? Don't worry if you can't distinguish them—just be thankful they're finding good use in new television tubes to give greater color fidelity.

A phosphor containing these unusual elements is being used to produce even truer colors than heretofore has been possible. It seems that this substance emits a much stronger red color when hit by electrons, leading in turn to a brighter image and less color distortion.

Actually, there are 14 members of the "rare earth" family, but Eu and Y (as chemists might write them) are the ones that are humming now because of the big surge in color television. And if you should happen to come across some europium oxide, one of the key ingredients, the going price is in the range of \$800 to \$1,100 a pound.

AIR CONDITIONING—Although spring has arrived slowly in many parts of the country, the nation's air conditioning and refrigeration industry is looking ahead to one of its biggest seasons in history. Its optimism is based partly on the forecasts of the Department of Commerce, which predicts a 14 per cent rise in sales in 1965, and even more soundly on individual companies' sales figures. For example, Lester G. Porter, president of Borg-Warner Corp., told stockholders recently that its York division's sales are 25 per cent ahead of last year, and that the backlog to date is above that of 1964. He pinpointed some of the growth areas, and said that one is central air conditioning for homes. Porter also foresaw further growth in air conditioning for schools, especially in view of the federal government's new school aid program. York recently announced a five-year \$12-million plant expansion program to take care of the anticipated demands.

THINGS TO COME—Portable tape recorder that is cordless and transistorized, and weighs only three pounds with batteries. Tape cartridges can be slipped in instantly for automatic recordings. . . . Double-walled non-pill plastic container for keeping food hot or cold has built-in polypropylene sipping straw, and can be boiled or chilled. . . . Vinyl wall covering to provide six different scenic murals at low cost. The coverings are in nine-foot strips about 30 inches wide, are easily handled by the do-it-yourselfer, and are completely washable. . . . Spray cleaner that removes spots from many fabrics without leaving a tell-tale ring, comes in aerosol container that can be carried in the pocket, or in a handbag.

American business has moved rapidly to improve the nation's balance of payments situation, an industry leader says. John N. Hart, vice president and controller of The B. F. Goodrich Co., said the voluntary program shows every sign of being highly successful.

"Much of the improvement seems to be coming from reduced capital outflow and more rapid repatriation of earnings from abroad," he said. "American business is also helping to ease the situation by increasing its borrowing abroad and bringing home some of the short-term financial assets which sought higher interest rates outside the United States."

SCIENCE NEWS—New treatment for children with cystic fibrosis raises hopes that the disease can be halted. In tests, massive doses of synthetic hormones have stimulated appetites and produced considerable increases in height and weight of patients. . . . The laser beam has successfully tested as a super-accurate altimeter—giving accurate readings to within a few inches, up to heights of about 100 feet. One advantage over radio waves is that the laser beam is not reflected from treetops. . . . Great advances in seismology allow scientists to detect underground bomb explosions and earthquakes with much greater precision and to distinguish between

waves patterns set off by bombs and quakes. . . . Farmers in Aroostock county, Maine, are reported happy over excellent potato and burlap bags, has risen 25 per cent.

stances have risen to \$10 a barrel, equalling the May 1952 mark. . . . In the past eight years the total value of all packaging, including plastic film, and paper, cotton and burlap bags, has risen 25 per cent.

DENTAL PLATES

Repair & Relines While -U-Wait

EASY CREDIT TERMS

COMPLETE DENTAL SERVICE IN ONE OFFICE

ALWAYS LOW PRICES

PENTOTHAL

(FOR SLEEP)

FOR EXTRACTIONS AND FILLINGS

WE WELCOME UNION DENTAL PATIENTS

NO APPOINTMENT NECESSARY

Phone Fairfax 8-0250

DR. TARR

2418 TORRANCE BLVD., TORRANCE Torrance Family Credit Dentist

NEAR CRENSHAW - GROUND FLOOR - MODERN, AIR CONDITIONED OFFICE

FOOD GIANT'S FRUIT AND VEGETABLES

EXTRA FANCY, NORTHERN

BING CHERRIES

3 lbs. \$1



U.S. NO. 1 WHITE ROSE

Potatoes

10 pound cello bag 59¢

FRESH "GOOD EATING"

SQUASH

ITALIAN YELLOW SUMMER

10¢ lb.

FLAV-R-PAC FROZEN

ORANGE JUICE

2 6-oz. cans 29¢

SAVE 12¢

LIBBY'S TOMATO SAUCE 6 8-oz. cans 39¢

ASSORTED Magic Chef GELATIN regular package 5¢

LIBBY'S CORN whole kernel or cream style 6 tall 303 cans \$1

LIBBY'S BEETS sliced 6 tall 303 cans \$1

LIBBY'S BEANS cut or French green beans 4 tall 303 cans \$1

LIBBY'S CORNED BEEF 12-oz. can 49¢

LIBBY'S FRUIT COCKTAIL LIBBY'S 5 tall 303 cans \$1

FRESH HAWAIIAN PINEAPPLE 39¢

JUICY THIN SKINNED LEMONS 10¢

Large Juicy Grapefruit 8 pound cello bag 39¢

Assorted (chicken & fish \$ for \$1)

Cake Cut Food 7 6-oz. cans \$1

Green Goddess—3/4-oz. mix 2¢

Milani Dressing 2¢

Oran-Ida frozen—12-oz. package 10¢

Chopped Onions 10¢

Giant box Action Bleach 79¢

Detergent—22-ounce plastic 65¢

Vel Liquid 65¢

Deodorant soap bars 2 bath bars 43¢

Palmolive Gold 2 bath bars 43¢

Give generously

CITY OF HOPE



FOOD GIANT

4 Big Sale Days Thurs.-Sun. June 3-6

EXTRA SERVICES

You may cash checks, purchase money orders, or pay utility bills at our Food Giant Courtesy Booth . . . all with no extra charge!

Van de Kamp's

GOLDEN ANNIVERSARY

SPECIAL

THURS. SUN. JUNE 16

Crumb Supplied or Assorted

DUNKETTES

pkg 33¢

FINE LIQUOR

GOLDEN KENTUCKY 12-YEAR-OLD 86 PROOF

STRAIGHT BOURBON

GOLDEN SCOT

IMPORTED SCOTCH

GOLDEN CANADIAN

CANADIAN WHISKY

CASE OF 6—FIFTHS (each or assorted)

\$24.24

\$4.49

full fifth

- | | | | | | | |
|--|--|--|--|---|--|----------------------------------|
| SCOURING AJAX CLEANSER 2 reg. cans 33¢ | JUNIOR ASSORTED GERBER'S BABY FOOD 7 7 1/2 ounce jar \$1 | POWDERED AJAX DETERGENT King Size \$1.29 | HOUSEHOLD CLEANER AJAX LIQUID 15-oz. plastic 41¢ | GREEN—PINK PALMOLIVE SOAP 3 reg. bars 35¢ | TOILET SOAP CASHMERE BOUQUET 4 bar pkg. 33¢ 1c sale! | SOAKY BUBBLE BATH 10-oz. toy 69¢ |
|--|--|--|--|---|--|----------------------------------|