THE AMERICAN HOME

March 35¢

AN EXCLUSIVE PICTURE TOUR OF EARLY NEW ENGLAND HOMES

LAWN CARE FOR YOUR OWN AREA ■ THE FACTS ON PESTICIDES

COLORFUL KITCHENS DESIGNED FOR THE WAY YOU LIKE TO LIVE

DESSERTS FOR ENTERTAINING ■ SECRETS OF HERBS AND SPICES

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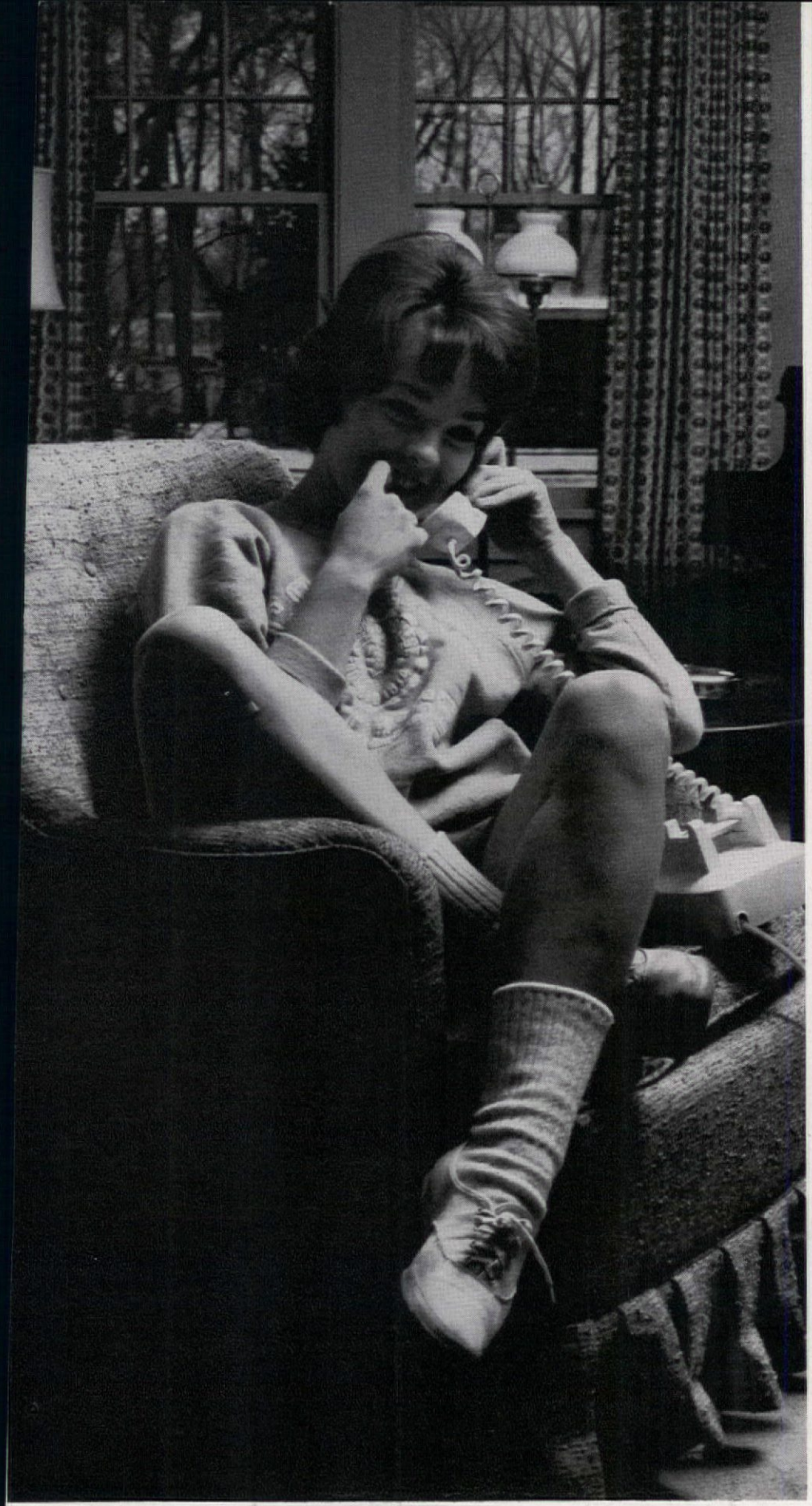
Modern informality: one of the many moods of this new vinyl floor—Montina Corlon

The informal, yet tasteful, character of Montina Vinyl Corlon makes it well suited to good modern interior decoration. Vinyl chips veined with color are set at random in translucent vinyl, giving Montina rich texture you can actually feel. Because it has almost no seams, a floor of Montina Corlon creates a flowing, wall-to-wall setting for your furnishings. You can use it in any part of the home, even in most downstairs playrooms—directly over the concrete. For a free sample of Montina Corlon, and a folder showing its colorings, write Armstrong, 6303 Pine St., Lancaster, Pa. In Canada, Dept. 33-B, Box 919, Montreal, P. Q.

Montina Corlon is one of the famous Armstrong VINYL FLOORS



In most modern homes you'll find...

. . . familiar scenes such as these. You may not have a teen-ager, but you're likely to have a Honeywell Thermostat—most homes with automatic heat do. Your Honeywell Thermostat contributes much to your comfort year after year. We've designed our thermostats, like the Honeywell Round above, to stay free from trouble. It's reliable and accurate. Its handsome decorator cover snaps off so you can paint it to match your wall. It has a unique picture window dial, large numerals and separate temperature and setting scales, making it easier to read, easier to use.

But don't be fooled. Just because you have a Honeywell Thermostat on your wall it doesn't mean you have Honeywell controls on your heating or cooling plant. Check to be sure you get all-Honeywell controls if you buy or build a home or replace your present system. Nothing performs as well as a *matched* control system. And, a complete Honeywell control system needn't cost one cent extra.

Want to know more about home comfort? Send for "How to get the most out of your heating or cooling dollar." It's an easy-to-understand 48-page booklet that you'll value. Just 50¢. Honeywell, Dept. AH3-59, Minneapolis 8, Minn.

Honeywell

I'm not supposed to talk wif my mouf full

She's right. But someone at the table asked how she liked this Country Style Potato Soup. The answer? Just look at her eyes. Lipton lit them . . . did it with this creamy potato soup full of bite-size chunks of tender potato. Here's solid nourishment that's fun to eat. All Lipton soups are. You see, Lipton soups taste like Mother just cooked them.

ALPHABET VEGETABLE • TOMATO • BEEF NOODLE • MUSHROOM • TOMATO VEGETABLE • GREEN PEA • ONION • CHICKEN NOODLE • CHICKEN NOODLE WITH MEAT • CHICKEN RICE • CREAM STYLE CHICKEN

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OUR COVER

Planning a new kitchen or remodeling an old one? Don't make a move until you see our gleaming portfolio of kitchens beginning on page 46. We show you how to choose the kitchen that is best for you and the way you and your family like to live. Shopping information, page 84. Cover photograph: Irwin Horowitz.

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DEAR READER:

February and March—some have always considered them dreary months but we have always thought them to be among the very best of the year. They comprise the far too short period in each year when one can do exactly as he wishes, even if it simply means sitting back and enjoying home. The children are involved at school, the garden has not yet begun to make its annual demands on our time, and while there may still be snow to shovel there are few other pressing reasons to keep us outdoors. We no longer feel compelled to indulge in winter sports and it's still too early to be concerned about summer vacations. There is a general air of quiet afoot as if the earth itself were conserving its strength in preparation for the explosion of energy that is required to bring about spring.

Now we can sit in front of the fireplace and read without that little annoying inner voice chiding us for not being up and around doing something active. It is time for puttering about the house doing little odd jobs and unimportant jobs. It's a good time to pursue some neglected hobby or catch up on a little sewing and mending. How about trying out some new and involved recipes or exploring the contents of a chaotic closet or bureau drawer? And, if you have lost the ability to catnap, now is the time to teach yourself this pleasant and gentle art.

In short, this is the season to do exactly as you please and if it pleases you to do nothing, that's fine too.

As a steady diet the year round, this way of life would probably become deadly boring, but for a few weeks toward the end of February it can be a wonderful tonic—and it costs absolutely nothing.

THE EDITOR

One of seven types of Andersen windows available with insulating glass.

These windows have *Thermopane*® insulating glass

...you don't need storm windows

Many people think of insulating glass only for picture windows and window walls. But for maximum benefits, *Thermopane* insulating glass should go into every outside opening of your home. Even these traditional double-hung windows have insulating glass which eliminates storm windows. There are no storm sash to buy, put up and take down, or store. Washing's easier, too. There are only two surfaces to clean, and the dividing bars are removable so you can wash one large pane at a time.

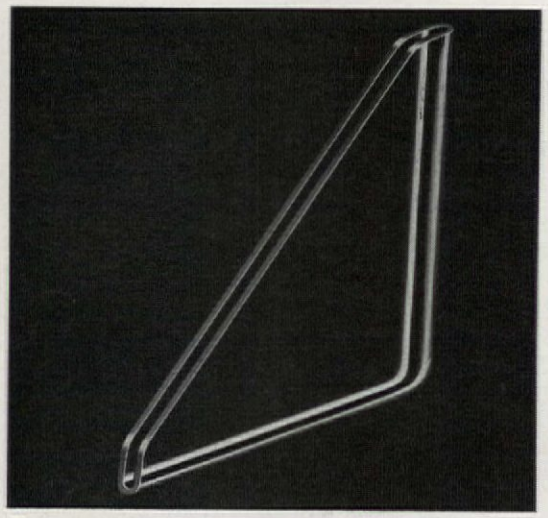
Fuel saving is an obvious bonus with *Thermopane*. Compared with single glass, it cuts heat loss about in half. There's more comfort near windows, more usable floor space in even the coldest weather. And with *Thermopane* in all your windows, it will cost you less to air-condition, too.

To get more details on *Thermopane* and its use in all kinds of windows, send 10¢ for our booklet. Write to L·O·F, 2533 Libbey·Owens·Ford Bldg., Toledo 2, Ohio.

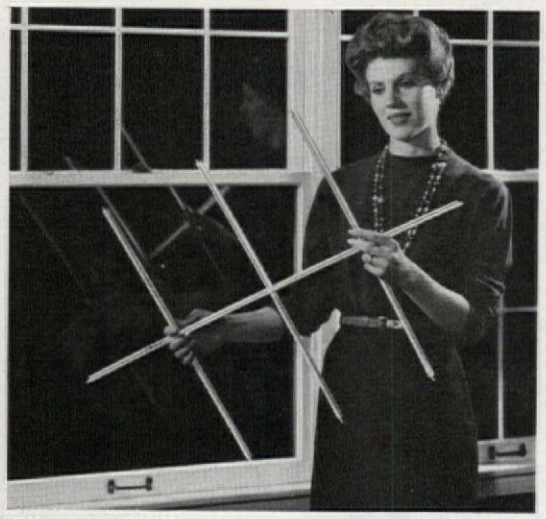
MADE IN U.S.A.

L O F GLASS

THE QUALITY MARK TO LOOK FOR



Two types of *Thermopane* insulating glass are available: The *GlasSeal*® edge shown here, and the *Bondermetic Seal*® which is recommended for larger glazed areas.



Slip out dividing bars and wash large pane. Clip-in bars are removable for easy window cleaning. Half the work of washing both a storm window and inside window.

When you build or buy ...look for Thermopane

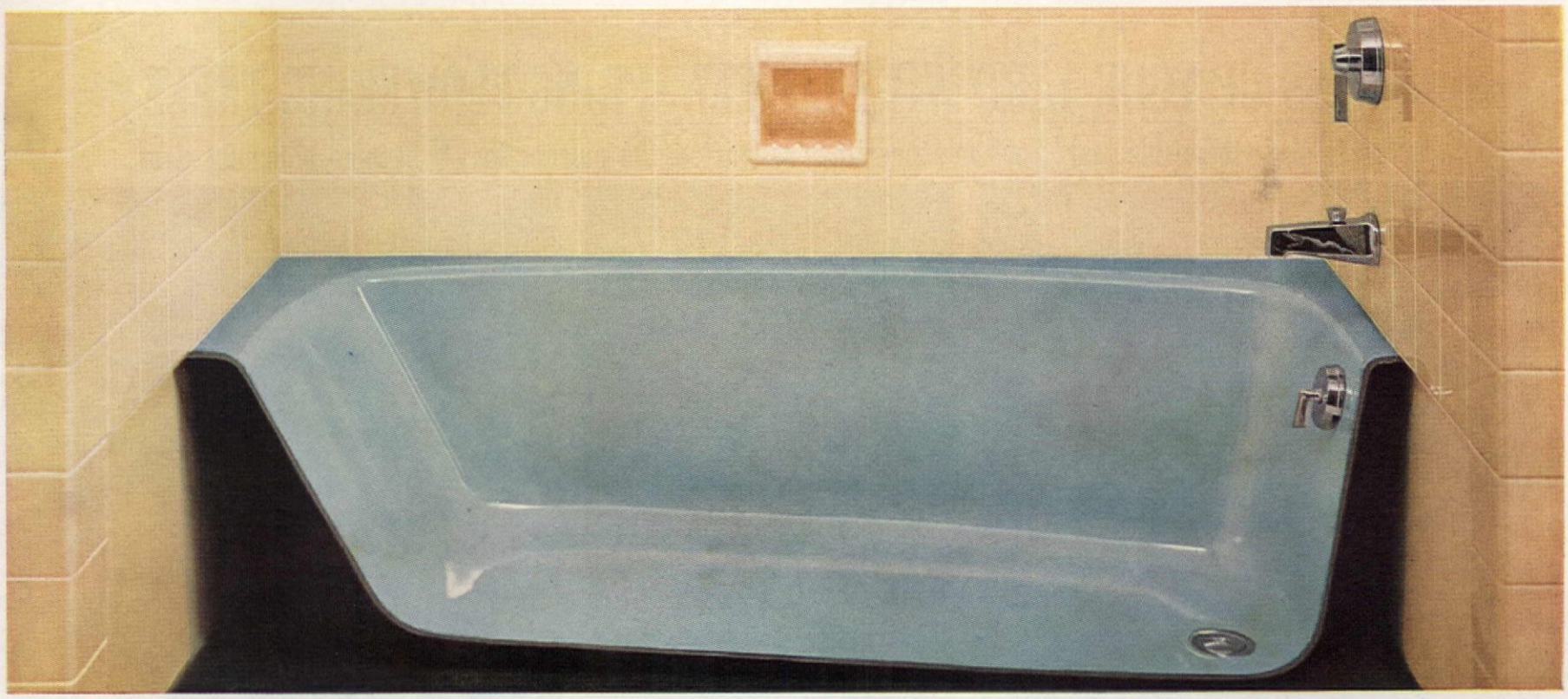
It's a sign of extra comfort and value in your home. Be sure to get the heat saving and convenience of *Thermopane* insulating glass in every window.

Thermopane is available from L·O·F glass distributors and dealers. It also is used by manufacturers of all types of quality windows, as well as sliding glass doors.

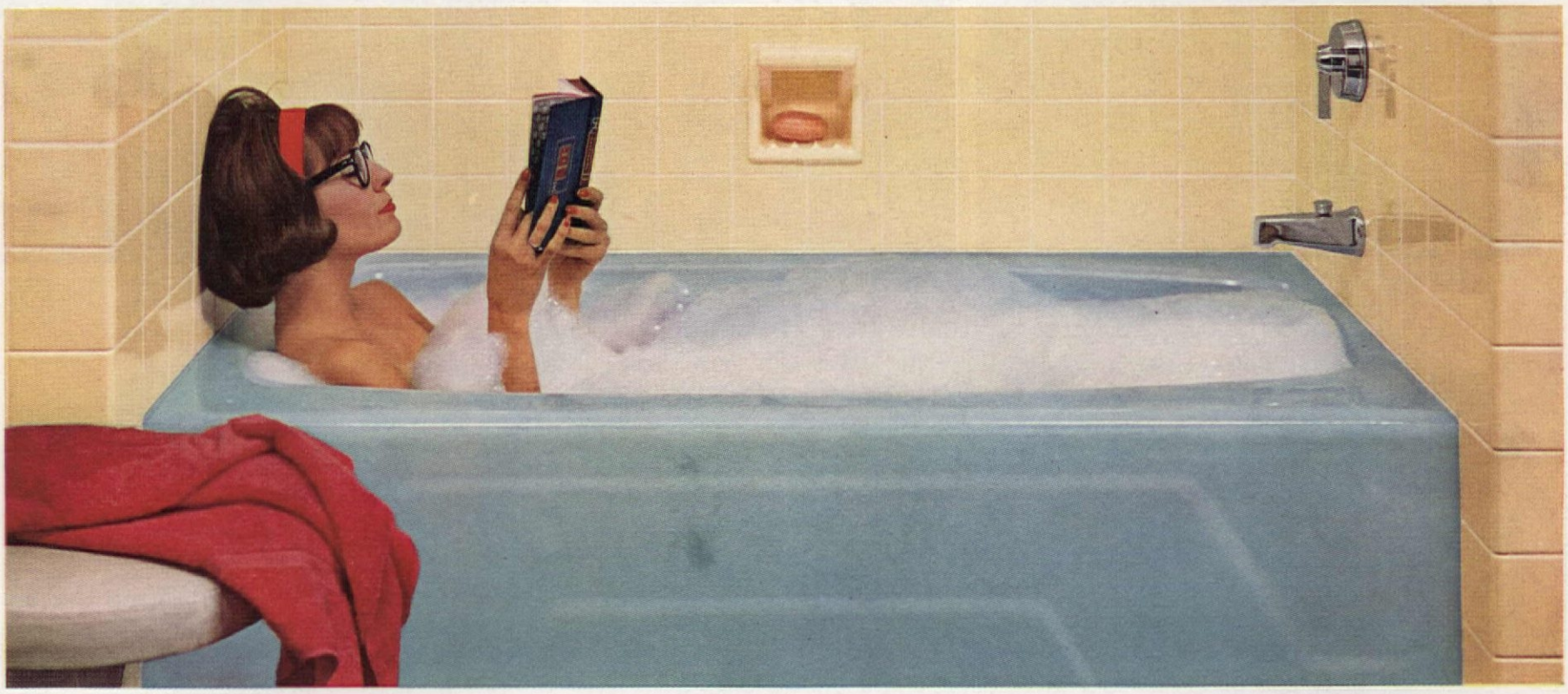
For glass or window distributors or dealers in your community, see the yellow pages of your phone book.

Libbey · Owens · Ford

Toledo 2, Ohio



Kohler makes the kind of bath tub –



you can really feel comfortable with

Kohler makes a tub called the Dynametric. It's people-shaped. Inside it curves gently outward to give you more room for elbows and shoulders. Its back has a greater, longer slope that makes bathing more restful. You'll see these wonderful differences at second glance, perhaps. But you'll feel them right from the very beginning.

The extra comfort of the Dynametric goes right along with all you should know about Kohler. Making tubs to fit people, making them of rigid cast iron, taking extra pains in the finishing and inspecting of every Kohler product are all part of a determination that's 90 years old. Kohler never makes anything "second best." Your architect or plumbing contractor will tell you that Kohler quality costs nothing extra. Please act surprised.

KOHLER OF KOHLER

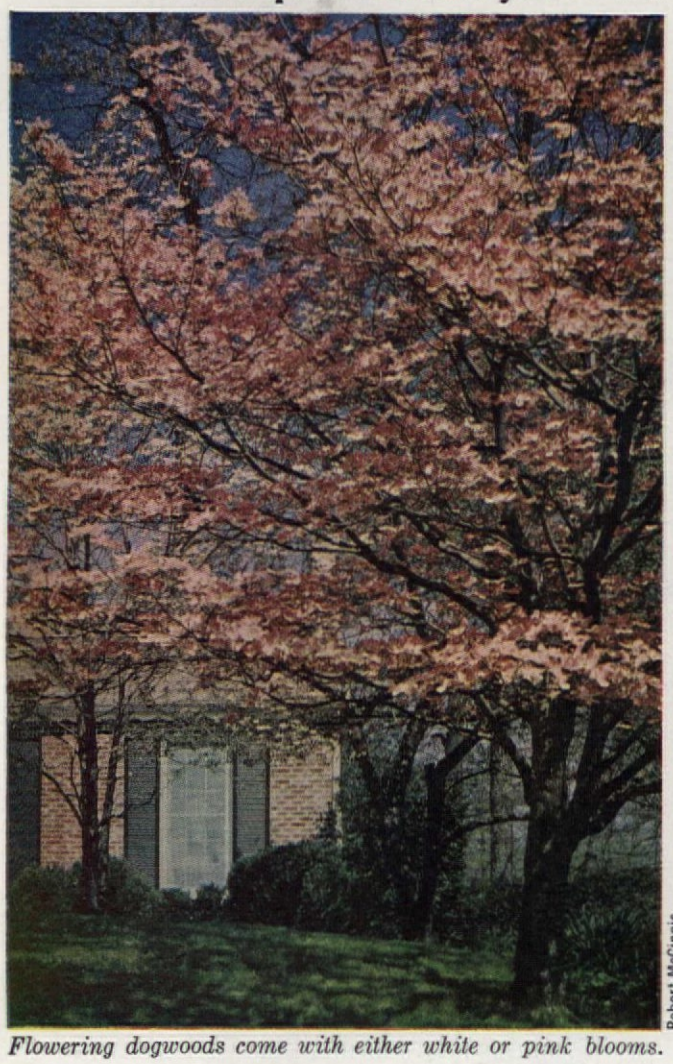
Kohler Co., Established 1873, Kohler, Wisconsin

ENAMELED IRON AND VITREOUS CHINA PLUMBING FIXTURES • ALL-BRASS FITTINGS • ELECTRIC PLANTS • AIR-COOLED ENGINES • PRECISION CONTROLS

GRETCHEN HARSHBARGER

DRESS UP YOUR YARD WITH LOVELY SPRING-FLOWERING TREES

Plan to plant them this year! For the sooner they're started, the quicker they'll become blooming size.



Robert McGinnis

Flowering dogwoods come with either white or pink blooms.

Josef Muensch

8-inch flowers glorify Southern magnolia.

Guy Burgess

Fragrance adds to crabapple's charm.

F. M. Demarest

For something exquisitely oriental, try flowering cherries.

You can turn your yard into a fairyland of bloom each springtime by planting flowering trees. Wherever you live there are kinds adapted to your area and climate. Some will start to bloom almost as soon as you plant them. Others take a few years to reach flowering age. All become lovelier each succeeding season, and nothing will give you so much pleasure for so small an investment.

Best time to plant is very early spring (though in mild climates one can plant most kinds also in late autumn). In other words, right now is the time to get busy and make up your mind what you want, where you're going to plant, and from whom you're going to buy.

Deciding which beauties to choose is a major problem! To help you, we've organized a chart (see pages 8 and 11) telling the regions in which various trees will thrive, their height at maturity, color of flowers, etc. We hope you've space for more than one tree so you can have the fun of prolonging your season of bloom by selecting early, midseason, and late kinds. Pussy willow, for instance, tries to bloom before winter is gone! Redbud begins to look pink when its tiny buds first start to expand, and gets prettier and prettier over a delightfully long period. Crabapples include varieties whose blooms take turns for 4 or 5 weeks. Golden-chain tree is one that waits to open until weather is really warm. In addition to spring flowers many of these trees are outstandingly handsome in autumn. Notice on the chart those with colorful fall foliage or fruit.

What's the best size to buy? And what are the comparative merits of bare root (dormant and leafless), balled-and-burlapped, or canned plants? In general, the youngest plants transplant most easily, with least shock, and catch hold and grow most rapidly in their new locations. They cost less than big plants. Large plants give a faster effect.

Bare root, completely dormant trees are highly satisfactory, the most economically priced, and easiest to have shipped by mail or express. They have been dug the previous autumn and stored through winter in special buildings where temperature and humidity are accurately controlled. In garden centers at selling time, they're usually held in bins or beds of moist sawdust or similar material that protects roots from drying. Sometimes they're offered in individual packages which wholesale nurserymen have skillfully designed to keep roots in good condition for a reasonable time.

Plants growing in cans, or dug from the nursery row with balls of earth around their roots, transplant most easily. Large-sized trees, "difficult" kinds, evergreens, and any to be moved when in full leaf should be handled by this method. All magnolias, even in small sizes, need this care; flowering dogwoods over 4′ are most safely moved with earth attached to their roots. *(continued)*

LONGINES

THE WORLD'S MOST HONORED WATCH

10 WORLD'S FAIR GRAND PRIZES · 28 GOLD MEDALS
HIGHEST OBSERVATORY HONORS FOR ACCURACY
OFFICIAL TIMEPIECE FOR LEADING SPORTS AND
CONTEST ASSOCIATIONS ALL OVER THE WORLD

The New Longines "Grand Prize" Automatic with Calendar Self-winding, attractively thin in profile, protected against all normal watch hazards—water, perspiration, dust, shock and magnetism. Available in cases of stainless steel, gold-filled and 14K gold; with Calendar from $105; other "Grand Prize" Automatics from $79.50.

The magnificently engineered Longines "Grand Prize" Automatic movement features a winding rotor which turns with utmost freedom with every wrist motion on a collar of tiny ball bearings—automatically winding the mainspring. Can't overwind, yet may be hand-wound if desired. The perfected finish of moving parts reduces friction to a minimum and wear is negligible.

THE NEW LONGINES GRAND PRIZE AUTOMATIC--WITH CALENDAR

All the Facts of Time...the hour, the minute, the second and the *date*, are automatically yours with this new Longines *Grand Prize* Automatic Self-Winding Calendar watch, the newest version of The World's Most Honored Watch. In its very own right the new Longines *Grand Prize* Automatic is worthy of all the accolades and distinctions which have been showered on Longines watches for almost a century. The finest self-winding watch in Longines history, the peer of all automatic watches, created to faithfully serve your timekeeping needs for an adult lifetime.

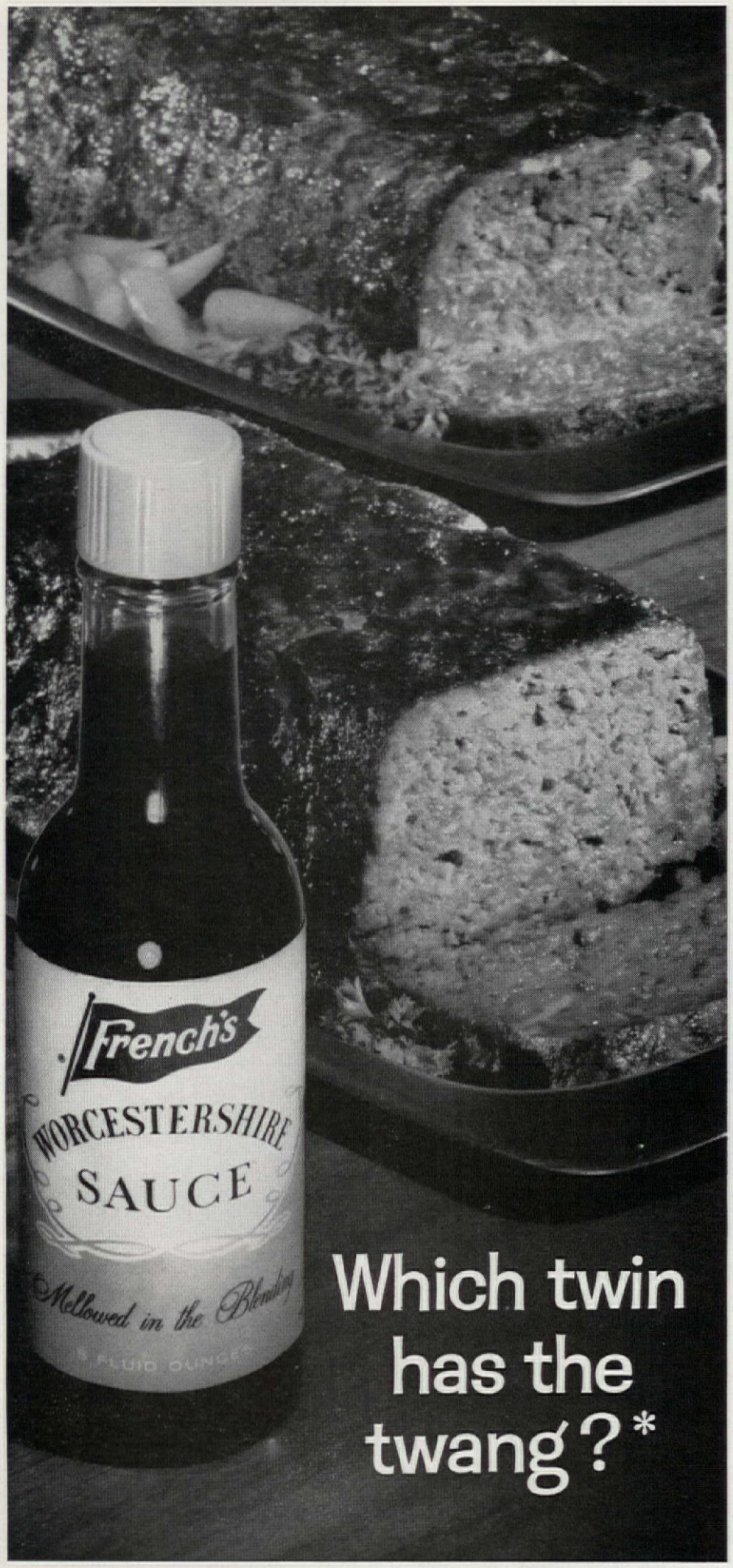
What Makes Longines Great? There is nothing finer than Longines, The World's Most Honored Watch. Longines is the only watch in all history to win 10 World's Fair Grand Prizes, 28 Gold Medals, highest honors in observatory competitions. In the past 3 years Longines watches won 139 Observatory First Prizes, a record unique in chronometric competitions. For close to a century, the name Longines has marked watches of prize-winning accuracy, the world's standard of excellence among watches of the finest quality and the most distinguished ancestry.

What a Longines Can Mean to You—Your Longines watch will cost you less to buy and maintain, given intelligent care, than a succession of timepieces of poor quality. Longines service is nearby in principal cities of more than 131 countries of the free world. The Longines Credo pledges . . . Every Longines watch, whatever its type, today, as for close to a century, is manufactured to be the finest of its kind and worthy in every respect to be called The World's Most Honored Watch. Your Longines-Wittnauer quality jeweler will be most honored to serve you.

All prices plus Federal Tax · Prices slightly higher in Canada

LONGINES-WITTNAUER WATCH COMPANY

MAKER OF WATCHES OF THE HIGHEST CHARACTER FOR ALMOST A CENTURY



A picture can't show it—but the meatloaf at the top is the one with unique personality! Its teasing aroma begs you to bite in, and its sharper, beefier flavor puts its weak sister to shame. What makes the difference? French's Worcestershire—and its rich blend of international spices. You add just *one* tablespoon per pound of ground meat, using your own favorite meatloaf recipe. Full-bodied French's is the authentic kind of Worcestershire you'd expect from the expert spice men who make French's Mustard. It's the favorite Worcestershire in American kitchens by nearly two to one! For dozens of ways to use it, write for *free* recipe book to: French's, 214 Mustard St., Rochester, N. Y. *TWANG: Old English for tang.

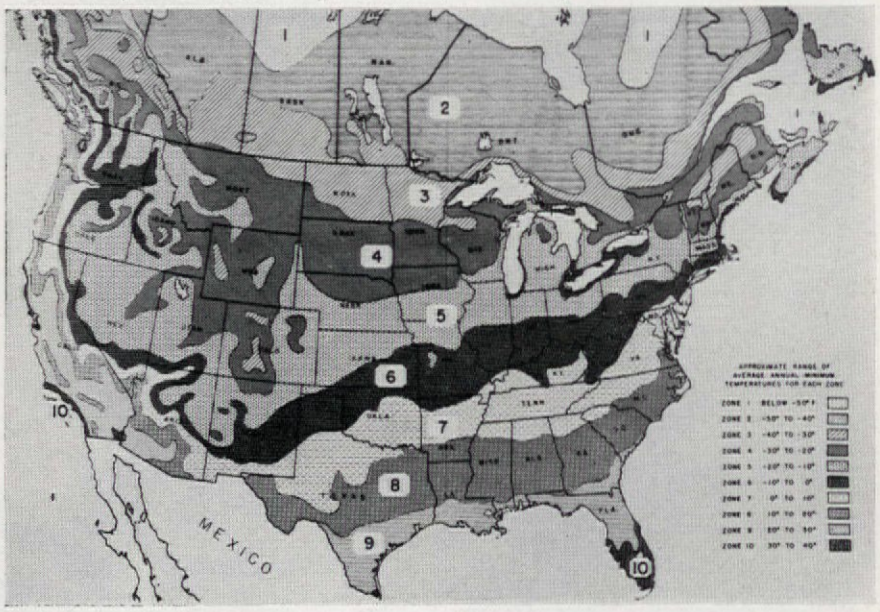
(continued) Planting rules are basically the same as for other trees and shrubs. Of first importance: Before you get the tree into the ground, do not let the roots dry! Keep them out of sun and wind, enclosed in the wrappings in which they arrived, or covered by damp cloths, a polyethylene sack, or mounded soil. Most flowering trees prefer a site in full sun, though a few (see chart) enjoy or tolerate part shade.

Prepare a hole deeper and wider than the roots so that they can be spread normally without being bent and crowded. Loosen the soil in the bottom of the hole. Make sure water can drain away quickly. Place the tree so that it will be at the same depth that it was when growing in the nursery, remembering to allow for soil settling. Fill in with good, loose soil. Water thoroughly, and plan on watering generously about once a week through the first season. Don't fertilize until plants are growing actively; midsummer or next spring is soon enough.

Pruning at planting time is important for bare-root trees. They've lost some of their roots through the digging process, so about a third of their tops should be judiciously removed, too. Perhaps this pruning will have been done by your plant dealer. If not, be brave and take your pruning shears in hand. First cut off all broken, spindly, and crossing branches. Retain only major branches and cut

BEST-LOVED SPRING-FLOWERING TREES

Listed in sequence of bloom and keyed to U.S. Department of Agriculture Plant Hardiness Zone Map



EXTRA EARLY (With Crocus, Daffodil, Forsythia)				
Name	**Zones**	**Height**	**Flowers**	**Comments**
Pussy willow (Salix discolor)	3–9	20–25′	Fuzzy catkins	Prune after bloom. Twigs root easily in water.
Cornelian Cherry (Cornus mas)	5–8	20–25′	Yellow, small	Sun or part shade. Red fruits. Fall foliage red.
Japanese Apricot (Prunus mume)	7–92	25′	Single, double, white or pink	Sun. Like flowering Peach but less hardy.
Flowering Cherries Yoshino (Prunus yedoensis)	6–8	48′	Pink, single	Sun; fast-draining soil 'Weeping' and fall-flowering varieties.
Higan (P. subhirtella)	6–8	20–30′	White to pink, single	Featured around tidal basin, Washington, D.C.
Star magnolia (M. stellata)	5b–9	4–15′	3″ white, fragrant	Sun; moist rich soil. Often shrub-like.
Plums Pissardi (Prunus cerasifera atropurpurea)	4–10a	15–30′	Pink ¾″, single	Sun. Grown mainly for all year purple foliage.
Blireiana (P. blireiana)	5–10a	24′	1″, pink, double	Sun. Purple leaves. Includes variety 'Newport.'
Shadblow (Amelanchier canadensis, laevis, etc.)	3b–9a	20–40′	1″, white	Sun or part shade; moisture. Orange fall foliage.
Siberian crabapple (Malus baccata)	3–8	50′	1″, white	Profuse small red or yellow fruit.
Peach (Prunus persica)	6–8	20′	White, pink, Single, double	Needs severe pruning annually.
Saucer Magnolia (M. soulangeana)	5b–9	25′	6″, white to purple	Blooms young. Variety 'lennei' is late purple.

(continued)

ADMIRAL DUPLEX

Full-size freezer! Full-size refrigerator! 23.5 cu.ft. in one beautiful cabinet!

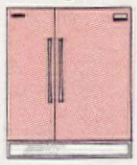
Now, Admiral brings you the largest capacity, most beautiful refrigerator-freezer in the world. And there's no defrosting ever! The left side of the Admiral Duplex is all freezer... the right, all refrigerator. No wasted space. All the fresh and frozen food storage you'll ever need in one compact, counter-depth cabinet that fits flush to the wall. Think of it! No more squeezing foods into an overcrowded refrigerator or tiny freezer compartment. And everything within easy reach!

Best of all, foods stay at peak freshness with Admiral's famous "Moist Cold" refrigeration system. Save money, too! The Duplex costs less to buy and operate than two separate units. Even cuts your shopping trips! Your whole family will enjoy the convenience of an Admiral Duplex. Three different Duplex sizes to fit any kitchen. Five fashion tone colors to make it more beautiful — Copper Bronze, Turquoise, Shell Pink, Citron Yellow, and Polar White. See the new Duplex now!

3 convenient sizes! 5 beautiful colors! No defrosting ever!

18.9 cu. ft.* capacity
7.7 cu. ft. freezer
holds 269 lbs.,
11.2 cu. ft. refrigerator.
41" wide.

23.5 cu. ft.* capacity
9.5 cu. ft. freezer
holds 334 lbs.,
14.0 cu. ft. refrigerator.
48" wide.



25.5 cu. ft.* capacity
9.5 cu. ft. freezer
holds 334 lbs.,
16.0 cu. ft. refrigerator.
52" wide.

Admiral sold in 110 countries. Admiral, Chicago—Canadian Admiral, Port Credit, Ontario.

*Net NEMA

Family den and music room in Provincial style. Floor: Kentile® Textured Mosaic Vinyl Asbestos Tile in White, with sweeping bands of Black and Brick. Wall base: Black KenCove® Vinyl.

Exciting new Kentile Floor! Textured Mosaic—the vinyl tile with an intriguing embossed surface. Install it yourself for about $65.

$65 buys everything... all the long-wearing Vinyl Asbestos Tile and adhesive needed to do any 12′ x 15′ area

Easy cleaning. Greaseproof. Dirt and dust wipe right off. Each waxing lasts and lasts. Ideal for kitchens.

Close-up of tile section shows embossed surface. Kentile Dealer? See the Yellow Pages under "Floors."

KENTILE VINYL FLOORS

(continued)

MID-SPRING (With Tulips and Lilacs)				
Name	**Zones**	**Height**	**Flowers**	**Comments**
Redbud Eastern (Cercis canadensis)	5b–9	15–50′	Pink, sweet-pea shaped	For sun or light shade. White variety available.
Chinese (C. chinensis)	6b–10a	4–40′	Pink, sweet-pea shaped	Sun or part shade. Shrub-like in cold climates.
Western (C. occidentalis)	7b–9	8–20′	Pink, sweet-pea shaped	Tolerate dry conditions; edge of woodland.
Cherry, Flowering (Prunus serrulata) Most named kinds, including 'Kwanzan'	6–9a	20–25′	White & pink. Single and double. Some are fragrant.	Sun; quick-draining soil. Less hardy than crabapples, but need winter chilling.
Crabapple (Malus, many varieties as: 'Almey', 'Dorothea', 'Hopa', etc.)	4–9a	8–30′	White, pink, purple-red. Single, double. Fragrant	Like sun. Not fussy about soil. Small red or yellow fruits handsome in fall; attract birds.
Silverbell (Halesia carolina) (H. monticola)	5b–8 5–9a	40–60′ 12–40′	White, bell-shape	Sun or part shade. Cool woodsy, moist soil. Autumn leaves yellow.
Dogwood, Flowering (Cornus florida)	5–9	12–30′	White or pink	Cool, acid soil. Sun or partshade. Fallcolorred.
Pacific (C. nuttelli)	7–9a	75′	White	Likes moist, mild climate. Often reblooms.

LATE BLOOMERS (With Bridal Wreath and Iris)				
Name	**Zones**	**Height**	**Flowers**	**Comments**
Crabapple Sargent (Malus sargenti)	4–9a	8′	White, fragrant	Dwarf and shrub-like. Showy small red fruit.
Bechtel (M. ioensis plena)	3–8	30′	Double, pink, fragrant	Form of native crab. Leaves get rust spots.
Hawthorn Many kinds, as: Washington (Crataegus phaenopyrum)	5–9a	30′	White	Last to flower. Orange fall leaves. Red fruit.
Paul's scarlet (C. oxycantha pauli)	5–9a	15′	Double, deep rose	Showiest flowers but no autumn display.
Fringetree (Chionanthus virginicus)	5–10a	15–30′	White, lacy	Shrub-like. Leaves turn yellow in autumn.
Golden-chain tree (Laburnumanagyroides) (L. watereri [vossi])	6–8 5b–8	12–30′ 12–30′	Yellow, pea-shape	Flowers in long clusters. No autumn color or fruit. Needs winter cold.
Locust Pink or Idaho (Robinia pseudoacacia decaisneana)	4b–9a	40–50′	Pink, pea-shaped, fragrant	Fast-growing. Stands alkaline, dry, gravelly soil. Needs borer control.
Roseacacia (R. hispida)	5–9a	7′	Pink clusters	Shrub often made into tree by top-grafting.
Magnolia, Southern (M. grandiflora)	7b–10	80′	White, 8″, fragrant	Huge evergreen leaves. Starts bloom at 15 yrs.

them each back a third of their length. The leader (main stem) may be left full length or cut back a third.

Give special care the first year! Transplanting is a shock to the tree equivalent to a major operation. The plants are in precarious condition until they establish new feeding and anchoring roots and adjust to their new situation. Protect your investment! Watering is extremely important. So is wrapping the main trunk with paper or cloth (special tree-wrap paper is available in rolls at garden stores). This is because bark of newly planted trees is very susceptible to sun-scald (causing bark to die on the sunny side) and borers. The borers are most apt to bother flowering dogwood, crabapple, peach, and locust trees. The wrapping paper should be left on at least a year, including winter. During winter it will foil mice that like to chew bark below the snow line, and rabbits that do their chewing above the snow line. And don't think this rodent damage couldn't happen in your yard! If a tree's bark is girdled (chewed off all the way around) even in a narrow band, the tree will die unless you cut off the entire trunk above the girdling and let new sprouts start from the stump. Until trees are old enough to have unappetizing bark, if you love them dearly you should wrap them for winter with paper, aluminum foil, or ¼″ hardware cloth (wire); or you can paint the bark with a special commercial repellant. Never risk leaving a young crabapple unprotected through the winter!

To prevent borer damage as trees grow, special commercially available sprays can be used in summer. Follow instructions on the container. THE END

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CYNTHIA WESTCOTT

SPRAY CHEMICALS ARE THEY REALLY DANGEROUS?

Cynthia Westcott, known to millions of gardeners as "The Plant Doctor," is a graduate of Wellesley and holds a Ph.D. from Cornell University where she served for ten years on the plant pathology staff. She is the author of "The Gardener's Bug Book" and "Are You Your Garden's Worst Pest?" Here, Miss Westcott discusses some of the serious charges made in Rachel Carson's recently published "Silent Spring" against the use of chemical pesticides.

To spray or not to spray? That is now the question for every gardener, every home owner, every citizen who has read, or even read about, "Silent Spring" by Rachel Carson.

Miss Carson's book is a frightening indictment of chemical pesticides. It blames them for doing immeasurable harm, but it does not recognize the enormous benefits derived from them. It protests against man's upsetting the balance of nature without acknowledging that man has been upsetting nature as long as he has existed, and that pesticide use is only a small element in his present vast program of upsetting nature to provide for his own welfare and increase. The book implies that modern insecticides, fungicides, and herbicides should be virtually abandoned.

But deciding against all chemical pest control is like deciding against using automobiles because of the human and animal fatalities on the highways. It's like abandoning aspirin because of the many deaths attributed to its misuse. It's like giving up eating eggs because they have been shown to induce cancer when ingested by certain laboratory animals.

The fact is that chemicals are needed to keep our exploding population fed, housed, and clothed, to keep our surroundings beautiful, and even, in some instances, to maintain a habitat for birds and other desirable wildlife. Our life span has increased 20 per cent since modern pesticides came into use, and comparable improvement has occurred in the well-being of our plants and animals. There is no proof, it is true, of cause and effect, any more than there is between the prevalence of cancer and the use of insecticides. But the fact does indicate that pesticides have not shortened our lives except in cases of gross misuse.

No one denies that misuse of chemical pesticides is dangerous, that it can in fact be disastrously dangerous. And no one denies that pesticides have been misused through errors of judgment and through carelessness. But the most intelligent and most conscientious people make errors, and though elimination of carelessness has been vigorously strived for, it has never yet been achieved in any field of endeavor. As a case for the need of more extensive testing and more cautious use of pesticides, Miss Carson's book is magnificent. But, as an argument for their abandonment, it is thoroughly unsound.

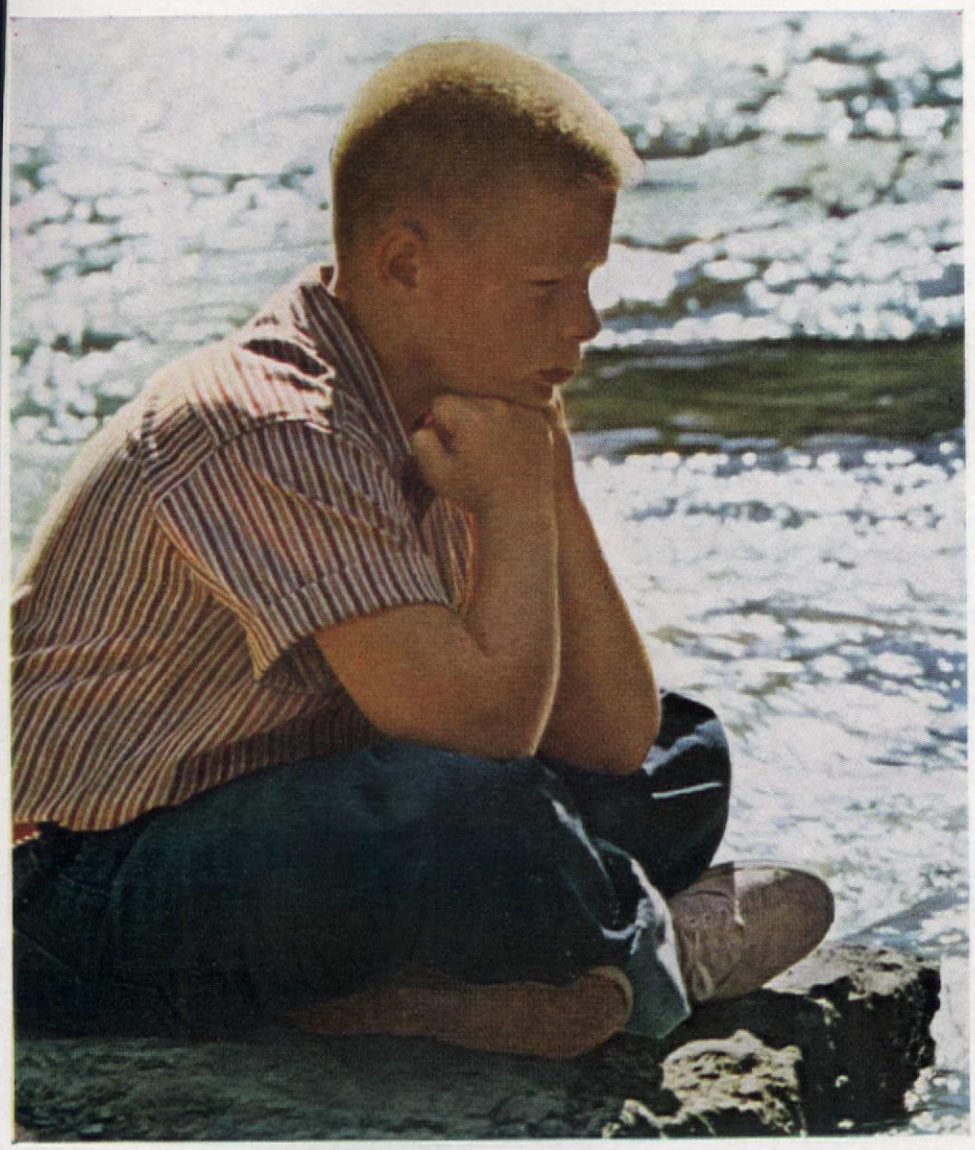
The amount of chemical residue allowed on food crops is regulated by law. The tolerance, depending on the chemical, varies from zero to a few parts per million. The tolerance is established after lengthy tests on at least three kinds of laboratory animals. If the farmer follows directions, his crop should be safe at harvest. But to guard against all foreseeable possibilities of excess residues in the total diet, the established tolerance is *one one-hundredth* of the amount actually considered harmful. According to Dr. George C. Decker, in World Review of Pest Control 1962, there has been no authenticated case of illness, let alone death, from residues on food when pesticides have been used according to directions.

In commercial food production, some highly toxic chemicals are normally safe because they break down and disappear so rapidly that residue is not a problem. But there have been numerous illnesses and some fatalities among operators who have neglected the prescribed precautions for applying such materials. There have also been deaths of children who played with carelessly discarded containers.

I am myself a living example of the fact that properly used pesticides are safe both to humans and to animals. As a plant doctor, I used these materials all day long, day in and day out, for 25 years. And there is no record of my having harmed birds, pets, children, my assistants, or myself. My only victims, besides insect pests, were a few fish in an uncovered pool. And I allowed that to occur only once!

Federal-state eradication programs are designed to stamp out a pest newly arrived in an area before it can menace other sections. The chemical chosen is often stronger than one used merely to suppress an insect already established. This may result in some harm to wildlife. But if public opinion forces the abandonment of such programs, the pest may increase so greatly that eventually pesticides will have to be used on a permanent rather than a temporary basis.

To consider such conflict-of-interest problems the Federal Pest Control Review Board was established in 1961. This consists of two members each from the (continued on page 86)



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NO PROPERTY IS SAFE FROM CONDEMNATION

Your home may be the next victim in the urgent and rapidly growing demand for public land

Condemnation is the taking of property—with or without the owners' permission—for any public use, by the ancient right of eminent domain. It is done by literally thousands of local, state, and federal agencies. It is a shadowy threat for the years ahead, and hangs today over thousands of United States homes, yours included. It does not matter whether you own or rent, or where you live. Condemnation is striking towns, cities, and suburban areas everywhere, urged on by a sudden incredible demand for public property—for new town halls, schools, highways, airports, wider streets, firehouses, even parking lots.

Not even remote outlying properties are immune. Land is being taken on mountain tops, lake fronts, beaches, even in wild swamps for public parks, reservoirs, conservation projects, and many other purposes.

In one small city a few months ago, a dozen families moved into a development of nice $15,000–$18,000 homes. Within weeks—even before the grass was grown—I saw the brand new homes being hauled away.

"What happened?" I asked an official.

"New road coming. We're growing fast," he said. "It's happening everywhere."

Indeed it is. Condemnation has hit (or soon will hit) thousands of families in Boston, Buffalo, St. Petersburg, Chicago, Oakland, Washington, and a host of other cities and towns. This year, by one educated guess, 100,000 families will lose all or part of their property. Perhaps one third of the land will be taken for highways and streets, another third for urban renewal, and the remainder for miscellaneous projects by the score.

The demand for land for public use began to soar during World War II. Today it is so great that some government units now are actually seizing land from each other. Awhile ago, Waterbury, Connecticut, acquired land from its citizens for a badly needed parking lot. Now the Federal government is about to condemn the same land for a badly needed new post office.

All this is only a taste of what's to come. In the next 12 months 15,000 families in dozens of states will be displaced by the great new 41,000-mile interstate system of superhighways alone. As the system grows (only 12,000 miles have been built) it in turn will create a need for more roads. These will create new towns and will bring thousands of new residents to old ones, which will then have to widen streets, build new schools, and make other improvements calling for public land.

Often, when condemnation strikes, owners are offered a fair price. But sometimes they are not, and owners have found it necessary to go to court.

All this, the planners say, may be sad but it's necessary for growth and survival. It's the cost of progress, safety, defense—and growing population. Henry J. Kaltenbach, one authority, says recent "quick-taking" laws in many states now make it possible for agencies to acquire land almost overnight. If your property is ever threatened, here are facts you should know about the procedures and what you may expect.

How property is taken. Let's say a dangerous old road in your area is to be improved. An engineer draws a line on a map. This is the new route, and it runs right through your property—perhaps a mile from the old route. Usually, this line is the result of weeks of secret "best location" studies and a comparison of different routes. Secrecy is maintained to head off objections from property owners, to frustrate land speculators, and to get the project under way quickly.

Sometimes, engineers consult privately with local community leaders. Public convenience is a factor; so, too, is cost of construction. Sometimes public hearings are held. But until recently, views expressed by property owners at many such hearings have meant nothing at all. Congress and the U. S. Bureau of Public Roads now require states to hold hearings on all projects involving federal-aid money. And the Bureau lately has been insisting that more attention be paid to your suggestions.

Unless you have an alert newspaper in your town, the first inkling that your property is involved may be a visit from appraisers whose job it is to place a value on your house. They will make sketches and take pictures. Some time later you will receive another visit by negotiators who are supposed to close a deal at a price close to that set by the appraisers. They'll answer your questions and tell you how soon you must move.

If you agree, title is quickly transferred and you're paid without formal condemnation papers having been filed.

But if you refuse to sell, condemnation papers may be filed, and by this simple process your land is forfeited. You will be paid, of course, and in most states a sum of money equal to the fair market value offered for your property must immediately be deposited for you with the courts.

How much will you get for your house and lot? Although it isn't always true, you may immediately be offered the top price which the appraisers put on your property. This is a new idea that's supposed to be fairer to you. In the old days, if appraisers put a $15,000 value on your house, the negotiators might offer you only $10,500. You might talk the price up to $13,000—and so get less than you were entitled to without knowing it.

Nowadays, the offer is apt to be surprisingly fair—particularly if you have a new home whose value is easily determined. If, for example, you bought in an $18,000 development, and two of the houses recently sold for $20,000, you'll probably be offered $20,000. It's a firm offer, subject to little negotiation.

But if you live in a custom-built home or an older house, it may be harder to set the price. If you don't feel the offer is fair, you must convince the negotiators that (*continued*)

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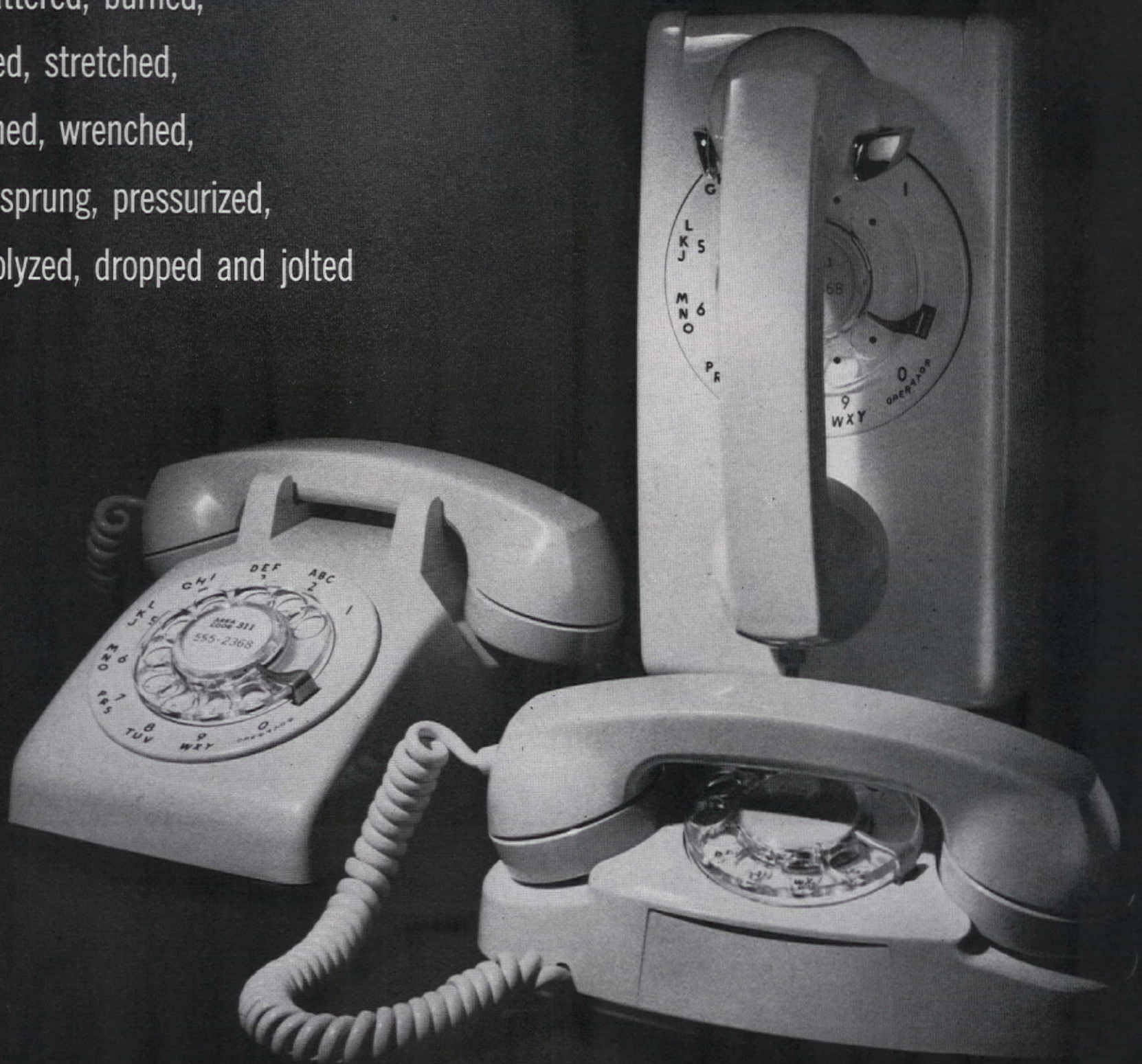

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CHEVY II

CHEVROLET

KEEPS GOING GREAT

(continued) the appraisers overlooked some item, such as a new room or driveway, or (in some cases) a fine view.

Or suppose you live in a lovely old home that would be hard to duplicate. Because of obsolescence, you may be offered only $12,000 for your home. Yet to find the same charm and comfort elsewhere might cost you $30,000. Your only chance of getting a really fair offer here is to find cases in which similar old homes have been sold for higher prices to buyers who understood their full value.

If only part of your property is taken, how do the negotiators arrive at fair payment for damage to the remainder? You will be paid market value for the land taken, plus damages to the remainder. Present the negotiators with a list of all ways you can think of in which your property has lost value, such as loss of access, change of shape, change of grade. If your back yard is taken, you may have noise of heavy traffic under your windows all night. Your light and a cooling breeze may be blocked off by the wall of a new school. Suppose jet planes now will take off over your house from a new airport. Or a new street is raised on a high embankment that also blocks off a fine view. All these may be factors in damage.

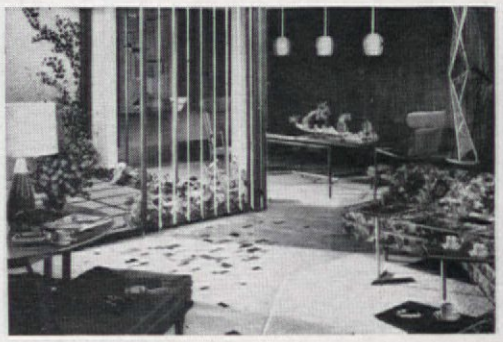
Suppose, as sometimes happens, your house is taken and you are left with half a lot. Your land may be useless, yet your payment for damages may be small. To solve your problem, some agencies now are willing to buy this remaining sliver of land, even if it is not actually needed.

When you accept the offer. Once you've closed the deal, your house is owned by whatever government agency is involved. If it isn't needed immediately, you may be allowed to stay in it and pay rent; in some cases, you may even get a few months' free occupancy. Often you will be given several months' notice before you have to move. However, there are cases when only a few weeks' notice is given.

You may love your home so much that you would like to move it to a new location. You are usually permitted to buy it back if it's movable. And, if you do, there's a good chance you'll break even on the deal, give or take a thousand dollars. In some states you may buy it back at a salvage price and even make a little money. Since houses that can be moved (usually the newer ones) often are put up for auction, tell the negotiators early in the deal that you want to move your home. Then it may be sold back to you immediately. Otherwise, if it goes to auction you will have to bid against others.

In a house-moving deal you might be offered $18,000 for your house and property; you agree to pay $9,000 to buy back the house. So you get $9,000 cash. By the time you get re-established, however, you will probably have used up the $9,000—and possibly more. The cost of moving a house can be quite high if utility wires have to be moved for the house to pass under them. And relocation costs such as excavation, plumbing, and heating run high, too.

Should your home be taken by an agency of the U.S. departments of Defense or Interior, you may get actual moving expenses for your furniture and belongings. On federal-aid highway projects, you may receive up to $200. (continued)



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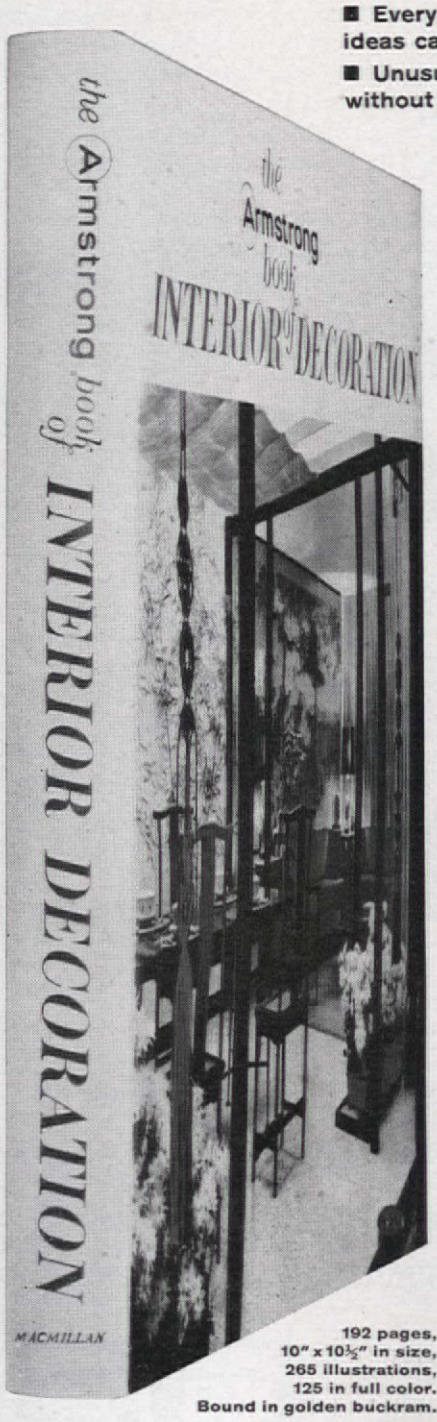

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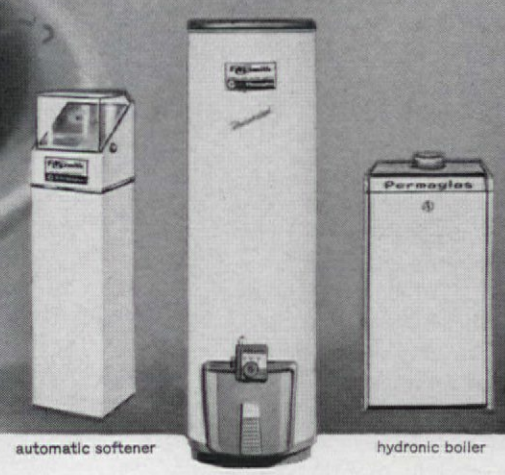
HOW'S THE WATER IN YOUR HOUSE?



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Take a pinch of flakes. Try washing a sweater with them. You *really can* if your water is soft. In fact, soft water lets you wash all your clothes with just a fraction of the soap or detergent you now use. Just think how costly hard water is. It costs the average family of four $160 a year, even when their water is only moderately hard. See your A. O. Smith dealer about a Permaglas automatic water softener in your home. Discover how much cleaner and fluffier things are, washed and rinsed in soft water. And you save money, too. A. O. Smith Consumer Products, Kankakee, Illinois.

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(continued)

If your home is mortgaged, the amount you get will be reduced by the amount of the mortgage. Sometimes the check is made out jointly to you and the lender. Sometimes there will be two checks, one for you and one made out directly to the lender.

If you want to fight for a higher price. When you feel that the offer made for your property is too low, hire your own appraiser. If his figure is only a little higher than that offered to you, it isn't worth appealing. But if your appraiser says the price is much too low, an appeal may be worth-while. You should hire a lawyer who is familiar with condemnation proceedings. Such lawyers often take appeals on a contingent basis and are paid one third of any increase you may obtain. Remember, that in most states, you will have to pay your own legal fees—even if you win. This includes witness fees and, sometimes, court costs. A few states now pay legal costs if you win and one state, Florida, pays them win or lose.

Your lawyer may recommend that you hire a professional appraiser, trained in court procedure, whose fee may be quite large. Be sure you engage a man of high integrity whose word will stand up in court. Your lawyer will probably also suggest you take photographs—both black and white and color—showing the house looking its best, at the time it is condemned but before any damaging changes occur. These are important. (Photograph your view too.)

You should also have records of any past offers. Although not admissible in court, they may guide your appraisal witness and lawyer. Also be sure to have records of all improvements made over the years. Don't forget, if only a part of your property is taken, that you may be entitled to damages from noise, and in some cases for loss of light and air, and loss of a pleasant view.

In many states and localities your appeal will take place before a board of court-appointed landowners like yourself. They may meet in a courthouse, a schoolroom, or any public building and they're supposed to visit your property. They may raise or confirm your award, although sometimes they lower it. In most cases you still have the right of a final appeal to the courts for a jury trial. If your land is taken by a federal agency, all appeals usually go directly to a federal court and will be heard by a jury. Some juries in the past have split the difference between price offered and a convincing estimate quoted by the home owner's appraisal witness. But today, juries are a bit wary of spending taxpayers' money, and you must have a good case to win.

Even if you're appealing the amount offered, you may still go ahead with moving plans without affecting your appeal. Should you need money to move quickly you can draw on a good percentage of the amount which is on deposit for you without implying acceptance of the amount involved.

Can you block a project that seems illogically planned for your community? Here's the answer from a top Washington condemnation authority.

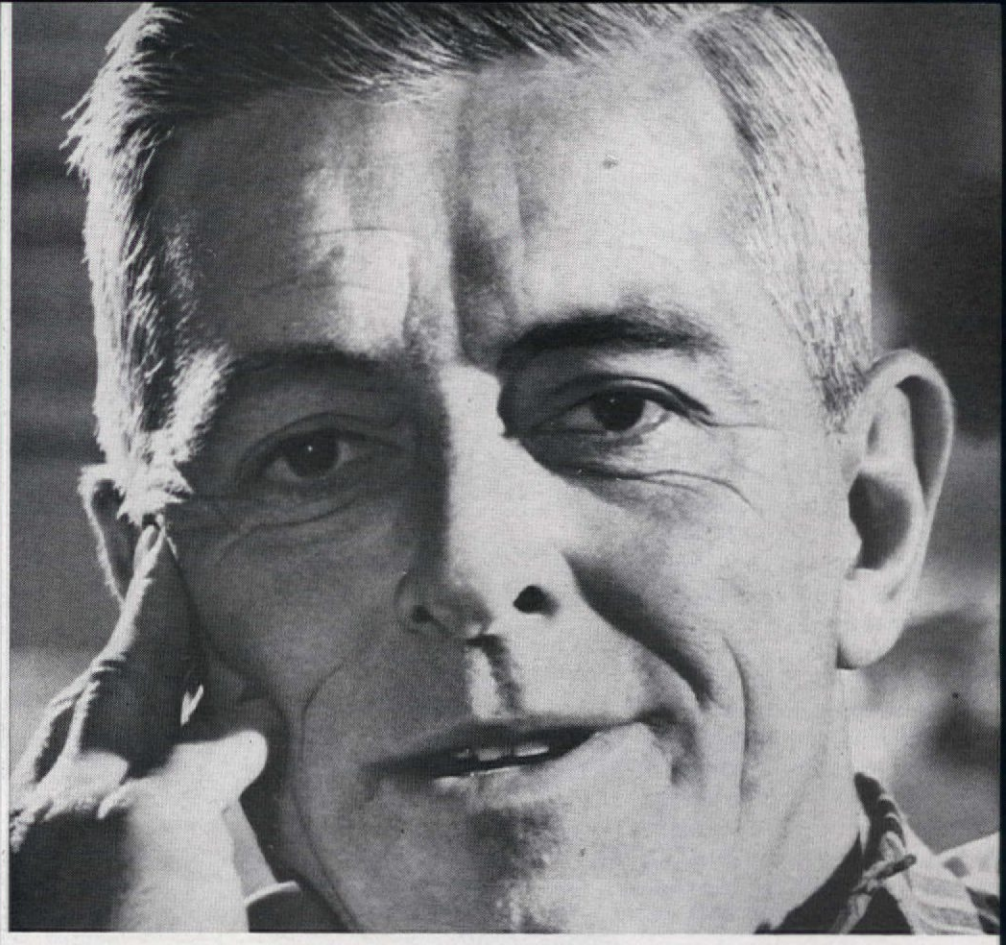
"This depends on several things: first, how early you learn of it (and here you must often depend on a good newspaper); second, whether you are dealing with an enlightened government agency or with one that runs roughshod over public views; third, whether you can muster good arguments against locating the road, school, airport—or whatever the project may be—in your area."

"Above all," one authority advises, "you and your neighbors should insist on an honest public hearing held in a reasonable location at a reasonable time. And, don't just go in screaming! Be sure to have an alternate plan. That's what impresses engineers. And if you're turned down once, don't quit. Get after your councilmen, your legislators, your mayor. Don't just write. Call on them." It may be a long, tough fight. But if reason is on your side, you may very well save your home.

What unfairnesses should you guard against? One is needless underpayment. Most agencies want to treat you fairly, even generously. But some try harder than others, and one evil, government experts say, is senseless fear of courts and officialdom that causes some owners to accept less than is due them. Another is the attempt, sometimes made, to deny you full payment because of supposed commercial benefits that you will get from a public project. One Pennsylvania county recently seized land from two owners without paying them anything—because of benefits they were supposed to get from a new bridge. Such benefits may be highly imaginary for any family whose main interest is a quiet home. And some lawyers argue that an owner whose land is taken should not be charged for benefits to be enjoyed mainly by the public.

Now that massive condemnation is here to stay, many unfairnesses can crop up. Luckily several states are leading a fight to remove inequities. And in Washington, D.C., a congressional subcommittee headed by Rep. Clifford Davis, of Tennessee, has begun a careful study of condemnation. Says its able young counsel, Henry Krevor, "We want to hear about any problems so that we can discover unfair procedures and recommend sound standards." These standards will be for federal agencies, but will also serve as models for states and municipalities. "It's important to protect taxpayers against having to pay too much for public land," says Krevor, "but it's just as important to see that every owner gets a fair deal." If you or your community leaders have any suggestions, write the Subcommittee on Land Acquisition, House Office Building, Washington 25, D.C.

THE END



"How I retired in 15 years with $300 a month"

"KNOW WHAT makes the difference between worrying all the time or actually enjoying yourself? Security, that's what. I'm happy to say my wife and I figured that out in time. Now we're retired without a care in the world. We're getting a check for $300 a month...a check that's guaranteed for as long as we live!

"All my business life I was self-employed. Had my own shop, and it treated me well through the years. But it seemed I spent practically every working moment in it.

"Business was good, but I guess when a man hits 40 he starts to worry more about the future. Well, I was no exception. I began to wonder how I'd have the strength to work 12 to 14 hours a day when I hit 55 or 60. Besides, there were so many things Jennie and I had always wanted to do, but just never got around to. Usually we were too busy to even take vacations.

"On the day we celebrated our 15th wedding anniversary, Jennie said, half jokingly, that she thought it would be a wonderful idea, as a gift to ourselves, to start a plan for our future. She showed me the advertisement she had clipped on the Phoenix Mutual Retirement Income Plan. It said that a man of 40, with 15 or 20 earning years ahead, could retire with a guaranteed income of $300 a month or more. The Plan sounded good to me, too.

"We sent that coupon in, and it wasn't very long before we started our Phoenix Mutual Plan. We've never regretted that move.

"Well, I retired last year. Our first check from Phoenix Mutual arrived, and Jennie and I got busy. We sold the shop and found just the house we wanted in Florida. It's been like paradise for both of us. And the greatest feeling is the security we have—knowing we have a *guaranteed* income from Phoenix Mutual coming in every month for the rest of our lives."

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This story is typical. If you begin early enough, you, too, can plan to have an income of from $50 to $300 a month or more—starting at age 55, 60, 65 or older. For more details, send the coupon and receive, by mail and without charge, a booklet which tells about Phoenix Mutual Plans. Similar plans are available for women and for Employee Pension Programs. Send for your copy before you grow a day older!

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GET A DECORATING JUMP ON SPRING

Between the last drop of the Christmas tree needles and the first pop of the forsythia comes the time that is known as the "blah" season. The midwinter doldrums. The slush-and-sulk syndrome.

Whatever you call it, it's just as hard on houses as on people. Viewed in the uncompromising light of March, the house suddenly looks naked and unloved. The bright blues and reds that looked so gay and brave last fall now look only garish. The pale shades that looked so elegant look as though they're waiting for the undertaker. Perhaps the best thing to do is just close up the house and hibernate in the tropics till spring. But the next best thing is to decorate.

When the tail end of winter's winds is still behaving like a lion, and the house has been sat in, stared at, and proved dull as gray fog, the sure-fire cure is to refurbish, revitalize, and decorate up a bit. Why wait till spring to do something bright-eyed to the house? Do it right now, in March, when the effect will be more noticeable. Nothing strenuous, mind you, but quickie, till-the-decorator-comes, first-aid tricks.

This is the perfect time—while you're house-bound but not tangled up in major spring decorating and cleaning—for what we'll call "fuss-pot" decorating. Fixing up the lesser corners and crannies of the house—linen closets, clothes closets, kitchen shelves, bathroom, laundry room. Fluttering over little details—lamp shades, window shades, hardware and fixtures, bed linens and table accessories. Or you might brighten up just one wall, one floor, or one piece of furniture. You'll find that midwinter decorating is a lot like everyday housekeeping—if you tackle one project at a time, with gratifying results, you'll be raring to get on to the next. Here are a number of suggestions to get you started.

Build a bouquet of fruit if fresh flowers seem too extravagant. Use only springlike yellows and greens, such as pears, green apples, green and yellow grapes, and bananas. Heap them in a pyramid on your favorite footed cake stand and set them where they'll catch every stray sunbeam. Try to resist eating the fruit for a day or so at least. Tuck in a smattering of fresh daisies, if you like, for a special party.

Light up the fireplace with a spiffy new coat of paint (the facing is bound to get dingy from the winter's fires). Polish the brass, blacken the fire tools. If there's a mantel, sweep it clean of last year's adornments and do something entirely different. Fill a great bucket of brass or woven wicker with gay straw flowers and set it on the hearth.

Wake up a tired bathroom with the brightest new towels you can find. Try bright blue and lavender together, since you've had a hankering for the combination, or blue with emerald green. A splashy pink shower curtain teamed with orange towels would be a sure-fire shot in the arm.

Face lift a closet with brilliant wallpaper on the walls and shelves. Cover plain cardboard storage boxes and hat boxes to match. Spray ordinary wooden coat hangers in turquoise blue or sparkling yellow. Squirt hat stands and shoe stands, while you're at it.

Give pictures a new look with colorful new mats. Enhance a fine black-and-white etching with a border of sharp olive green, for instance. Or remove the frames from a set of pictures and paint them several different colors.

Treat your beds to a touch of spring with new linens. Even a new top sheet and pillow case in one of the exquisite patterns or stripes available now would take the tedium out of everyday bed making.

Go rug shopping for a colorful new area rug. If you haven't seen the new beauties, in imaginative circles, squares, and oblongs, you can't imagine how dramatically one can transform a room.

Check your lamp shades. Are they getting gray and middle-aged? Replace them with spanking, fresh new ones and watch your room sparkle with new life. If you've always used white shades, try chic black ones.

Dress up a door with a coat of paint in an unexpected color. You might do the kitchen door or even the front or back door in a color that will sing as you pass through. You might do a number of doors in a long white hall each in a different color. Invest in a glamorous new doorknob.

Give windows a new personality with just a change of shade and a perky new valance. You'll find dozens of ideas in any drapery department, and

don't overlook the exciting newcomers with fabric laminated to the shade, ready-made or to order.

Pull a switchplate switch, replacing ordinary old ones with decorative new metal, wooden, or ceramic ones. Or install silent switches here and there.

Replace telephones with a sparkling new white one for the kitchen, a pretty pastel for the bedroom, or a green one for the family room.

Set the table with more imagination and color than ever to make everyone forget it's "that" time of year. Invest in some colorful but inexpensive new napkins, candles, or china. Make your own eye-catching tablecloth or place mats out of some brilliant print that pleases your fancy at the yard-goods counter. Use flowers whenever you can.

Doll up a desk with elegant new accessories—pencil cups and letter holders in a matching print, a frivolous ostrich-plume pen, picture frames, and paperweights.

Brighten the kitchen with new shelf linings, new dish towels, a row of vegetable baskets spray-painted gay colors, perhaps a bouquet of parsley on the window sill.

Play with paint. Even confirmed do-it-somebody-elsers might tackle a single wall in a room—paint it a bright color, as a marvelous background for pictures mounted on printed fabric. Paint works presto-chango magic on old kitchen chairs, bookshelves, children's furniture, odd tables, and chests of drawers.

Glamorize your bookcases. Back them with a handsome wallpaper or a coat of paint in a contrasting color. Instead of replacing all your books as is, rearrange them with an eye to color and size, and intersperse them with your favorite art objects or family photographs.

Update your lighting fixtures. Good, attractive lighting can make one of the biggest differences in a home. Visit a lamp department or store that specializes in lighting fixtures and see if a relatively small purchase might not give some room in your house a new lease on light.

Panel a room in inexpensive hardwood to give it a new warmth, texture and interest. Try dark, glowing walnut, honey-colored teak or even tried-and-true knotty pine.

Cheer up your laundry room. Considering the time you spend there, any little embellishment might give you a lift—a gaily painted chair, a distinctive calendar, a gallery of pretty prints, even a new laundry cart lined in a sprightly fabric.

Wastebaskets can be decorative, as well as utilitarian. Airy wicker types can be sprayed any color to match a room's color scheme. Inexpensive metal baskets can be covered with wallpaper, magazine covers, felt and imaginative trimmings to match a room's mood.

Divide a room or set off an intimate corner with a decorative screen.

Dress up a bed with a new headboard or a canopy effect in fabric to match the bedspread or draperies.

Use pillows, pillows in lively accent colors. Re-cover timeworn toss pillows with luxurious remnants that can be picked up at the bargain counters.

Outline a dining area with a cut-out wallpaper border. Wallpaper the ceiling of a little girl's room with daisies or a little boy's room in a celestial pattern.

And don't forget, if you don't do anything else, move something (the piano, if you will), change something, rearrange something. Some women have several changes of accessories which they regularly alternate for a fresh outlook on life. But anybody can juggle her familiar possessions into a new and exciting landscape. THE END

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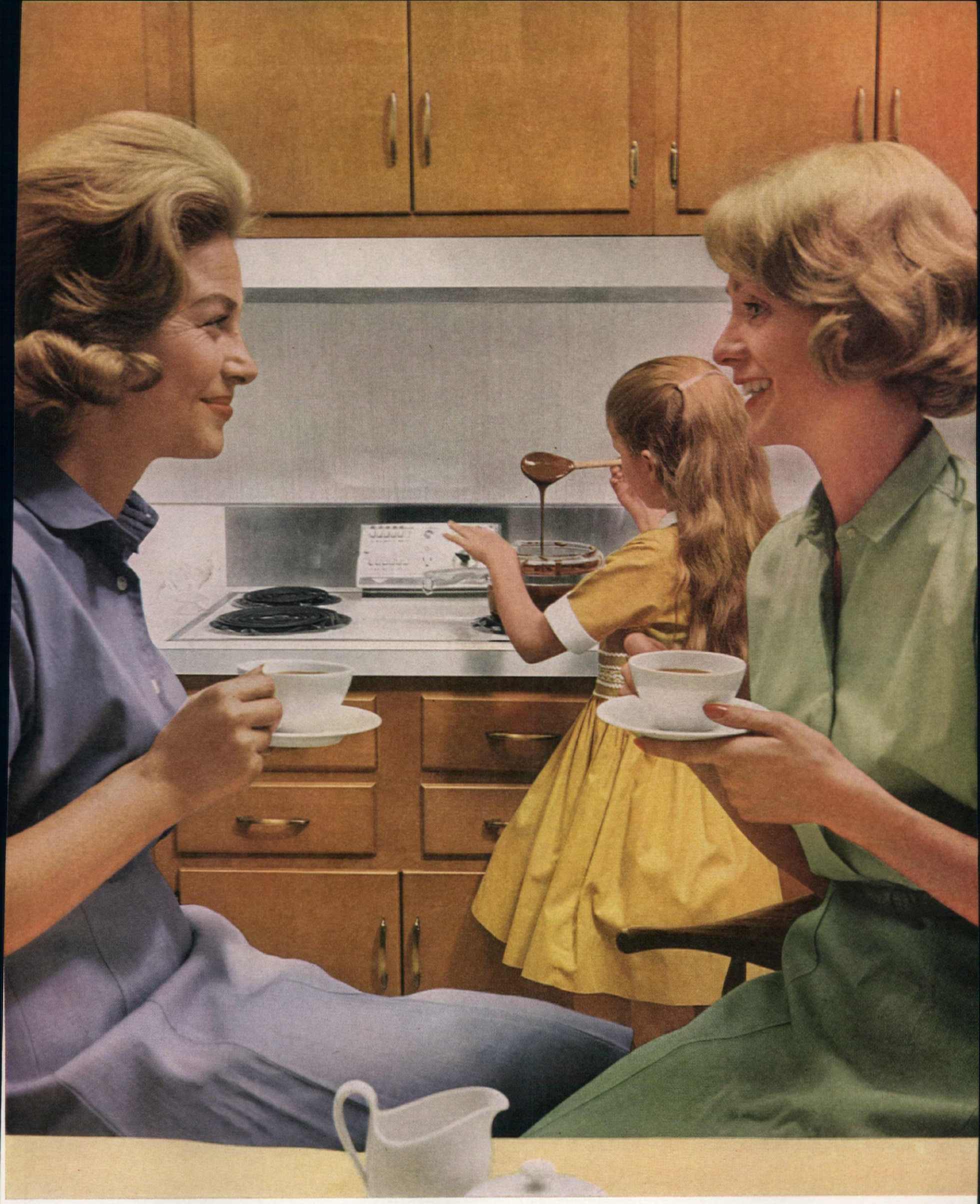


"A clean and cool kitchen is what I like best about cooking with a flameless electric range," Mrs. Theodore Croner of Millbrook, New York, right, tells friend Mrs. Robert Bleyer.

ROBERT W. HOUSEMAN

EARLY NEW ENGLAND HOMES WITH 20TH-CENTURY OWNERS

Can you imagine living in a farmhouse that was hewn out of the wilderness in 1700? Can you imagine sleeping and eating in a mansion that's been in your family for over 300 years? Some of the most fascinating landmarks in and around Salem, Massachusetts, are not pay-at-the-door museums, but real houses where real people live. On these pages, we take you on a rare tour of historical houses that the public seldom, if ever, enters. As varied as the New England seasons, each recaptures the flavor of a different colonial period. We think you'll come away with a livelier sense of our country's history. You'll find delight and inspiration in the rooms lovingly furnished in keeping with the period. And what a lesson in the abidingness of truly fine craftsmanship!

Our tour centers around the fair, fabled seaport town of Salem, and dips into three centuries. We make a side-trip to nearby Essex for a glimpse of life in the early days when every farmer was his own architect and builder. But farming was difficult in this stony, rolling countryside and many colonists turned to the sea for their living. What glorious days Salem knew then! As shipmasters and merchants piled up their fortunes, the streets of Salem blossomed with fine, gleaming mansions. They were furnished with all the riches of the orient gathered by these bold voyagers. Exquisite furniture from Europe, especially England, was imported or copied. Salem's famous Chestnut Street, laid out in 1796, is still one of the loveliest streets in America, and has one of the finest collections of late Georgian architecture in the world.

This 1700 farmhouse in the rolling Essex hills has been carefully restored, enlarged, and furnished by the John M. Bethells not as a museum but as a "background for people." In the front hall, wide floor boards, wood paneling, and plank door with strap iron hinges are authentic details of painstaking craftsmanship in early homes.

In the living room, the huge brick fireplace with noble hand-hewn lintel is still the heart of the home. It's equipped with old brasses and iron tools, shares a common chimney with the dining room fireplace. Wood paneled walls and pine board floors painted a soft red are a pleasing background for oriental rugs and comfortable furnishings. To the original five-room farmhouse, the Bethells added three bedrooms, bathrooms, kitchen, laundry, and pantry.

If you're interested in visiting the historic homes of New England, turn to page 96.

Information: Mary E. Monze and Eleanor Early Photographer: Ernest Silva

THE PICKERING HOUSE IN SALEM GREW FROM FARMHOUSE TO MANSION, SHELTERING THE SAME FAMILY FOR 300 YEARS

Ornamental finials and gables are among the many additions that disguise original simple salt-box house built by John Pickering in 1651. The present owners, the ninth generation of John Pickerings, will show the interesting old house to visitors by special appointment.

Gold-patterned wallpaper, reproduced from an old pattern, and pair of damask-covered settees are more formal 18th-century additions. A particularly fine collection of Lowestoft fills the mahogany corner cupboard. French candelabra and clock decorate classic mantel.

A perfectly proportioned square bedroom has original beams, and fireplace featuring imported English tiles. Special treasures are the antique bed with net canopy and log-cabin quilt, serpentine-front desk, and comb-back Windsor chair—all Pickering family heirlooms.

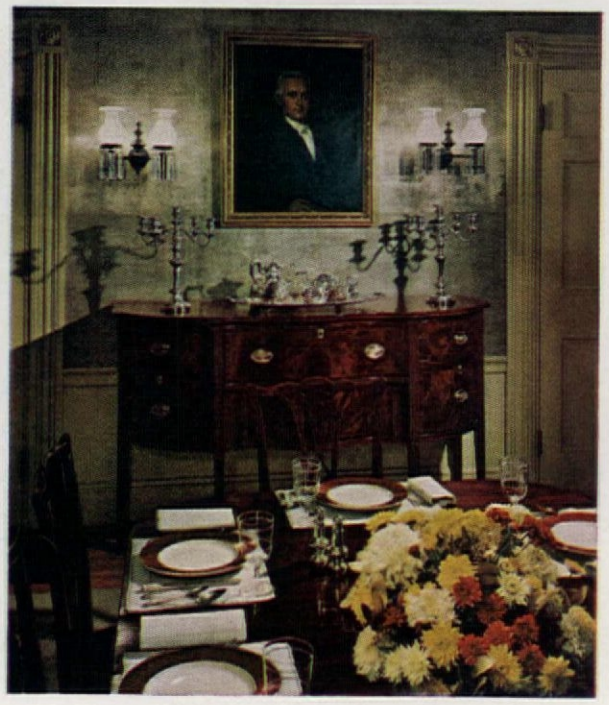
Of the many rooms in the house, none is more charming than this library richly furnished with oriental rugs and leather-bound books. Old oak ceiling beams are original; woodwork is painted mellow blue-green. The English table (right) was part of the original furnishings. Early chair was made for Colonel Timothy Pickering, who served in George Washington's cabinet. The handsome William and Mary highboy (circa 1700) is crowned with steps, displays more Lowestoft. Portrait of an early Pickering ancestor was painted by Joseph Badger about 1757.

HOUSE OF FEDERAL PERIOD ON SALEM'S FAMED CHESTNUT STREET WAS DESIGNED BY SAMUEL McINTIRE

A nostalgic reminder of Salem's early grandeur is the parlor in Mrs. Richard D. Seamans' home on historic Chestnut Street. A carved doorway frames the fine Samuel McIntire mantel with basket of fruit design. Walls of Chinese tea paper and oriental rugs are backgrounds for the original Duncan Phyfe sofa, Chippendale chairs and other fine traditional furnishings of the period.

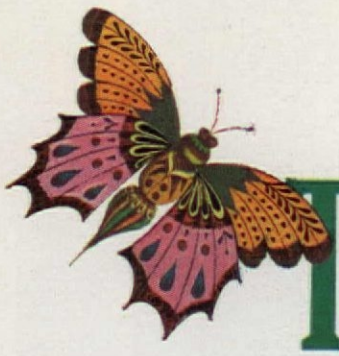
Called a mansion in early days, this three-story residence of brick is typical of the formal Federal era. It was built in 1805 by Nathan Robinson for Captain Jonathan Hodges. The designer, Samuel McIntire, was a craftsman-architect born in 1757. He was particularly noted for his interior carving and paneling, and his work was the inspiration for much of the architectural beauty found in old Salem.

To the right of the large center hall, balancing the parlor, the square dining room also has a fireplace and walls covered in Chinese tea paper. It is furnished with an original Duncan Phyfe table, Chippendale chairs, and Sheraton sideboard, furniture styles much admired in 18th-century New England. Typical of a McIntire-designed room, it is spacious, high-ceilinged and perfectly proportioned—as delightful today as it was in 1805. A portrait of owner's great grandfather hangs above the sideboard.



STATELY 18TH-CENTURY HOME RETAINS AND REFLECTS SPIRIT OF THE PAST

This beautifully preserved Salem mansion on Essex Street was purchased by Mr. and Mrs. George Swinnerton Parker in 1948. Characteristic of the finest 18th-century New England architecture, it still stands today as a paragon of simplicity, dignity, and hospitality in home design. Known as the Cabot-Endicott Mansion, the house was built in 1748 for Joseph Cabot, and later occupied by William Crowninshield Endicott, Justice of the Supreme Court and Secretary of War under President Cleveland. The façade is proud but unpretentious. The interior is distinguished by superb woodwork. The wide entrance hall, left, has an unusual hand-turned staircase balustrade and exquisite paneling. A Simon Willard clock stands on the stair landing. Below, a delicate architectural swag design decorates the entrance to the drawing room. The beautiful curved window and handsome moldings, the restrained decoration and arrangement of fine period pieces give the room a rare and timeless distinction.



THE GREEN GRASS WILL

American Home's *contributing garden editors prescribe practical*

SOUTHEAST Southern gardeners are fortunate in having so many lawn grasses to choose from—Bermuda, zoysia, St.Augustine, Bahia, centipede, carpet—but the fact that each prefers slightly different treatment than the others does tend to confuse matters.

In general the improved Bermudas and the zoysias make the best lawns in the South. The improved Bermudas make a fine-textured, dense turf, but they're vigorous growers and need more fertilizer and more frequent mowing than most others. They do best in the open sun—full sun half the day is considered minimum—and are quite resistant to drought, though less so than St. Augustine and Bahia. They're very aggressive and will invade flower beds if not checked. 'Ormand' and 'Everglade' varieties are best suited to the Lower South, the hardier 'Tiftgreen,' 'Tiftlawn,' and 'Tiftway' to the Upper South. 'Everglade' and 'Tiftgreen' are the finest textured (they're used for golf greens), while 'Ormand,' 'Tiftway,' and 'Tiftlawn' are wider-bladed.

The zoysias make a dense, weed-free, pest-free turf, and are steadily increasing in popularity. They are more shade-tolerant than Bermudas, but less drought-resistant, though they recover rapidly even from prolonged drought. 'Emerald' is a selection of the common zoysia (Z. matrella) and is fine-textured, dark green, and makes an excellent lawn. 'Meyer 52' is a selection of Japanese zoysia (Z. japonica) and, though coarser, is widely used because it makes a thick, trouble-free turf. The zoysias withstand close mowing, though the usual recommendation is 1½ to 3″, and they have a wide range of fertility tolerance.

St. Augustine and Bahia grasses are coarse-textured and, since they are not winter-hardy, are generally limited to the Lower South. Both are drought and shade tolerant. Bahia withstands lower fertility, but St. Augustine is *(continued on page 76)*

SOUTHWEST The most popular warm-season lawn grasses in the Southwest are Bermuda and St. Augustine. Annual ryegrass is sown over dormant Bermuda or St. Augustine in the fall to produce a green lawn during the cold months.

St. Augustine (sometimes incorrectly referred to as carpet grass) is a coarse-textured grass and does well in either sun or shade. Bermuda is finer textured, but it does well only in full sun. Whichever grass you have, and even if it gets just the right amount of sunlight, it'll need some help from you to do its best.

Crabgrass is always likely to be a problem, and it's one that should be dealt with early in the season. Crabgrass is an annual that begins its growth in spring from seed dropped the previous year. It can be controlled with preemergence crabgrass killers, applied in late winter or early spring, which kill the seed as it germinates. So if you had crabgrass last year, apply the preemergence control early. It probably won't kill *all* crabgrass seedlings, but the few that survive can be killed with a postemergence control in early summer, before they have a chance to set seed.

Feeding is especially important in the maintenance of a good lawn, because the grass has to be kept growing continuously to stay green and produce a thick turf.

Lawn foods supply nitrogen mostly and are of the two general types—fast-acting and slow-acting. The fast types go to work sooner, but they're more quickly consumed, or leached away in sandy soils, and if not used carefully may cause burning. The slower-acting, longer-lasting fertilizers are more expensive, but you need to use them much less frequently, they release nitrogen at a slow, even rate, and there's little chance of their injuring the grass. Apply them twice a year—early in spring and late in summer. Apply an extra feeding in the fall if you sow winter ryegrass over the dormant Bermuda or St. Augustine. *(continued on page 78)*

CALIFORNIA California's climate is influenced by the long coast line and the coastal mountain ranges to the west of the large San Joaquin and Sacramento valleys. Together they create the many distinct climatic zones for which the state is noted. The differences between these zones make it possible to grow a wide variety of agricultural crops and ornamental plants—and they also oblige home owners to choose lawn grasses suited to their localities. Only if it's composed of grass adapted to your local climate is your lawn likely to thrive under the conditions of normal lawn care.

The two general classifications of lawn grasses used in California are the subtropical or warm-season grasses and the temperate or cool-season grasses. The areas to which they are suited are indicated on the accompanying zone map—see page 79—the subtropicals to the gray areas, the temperates to the white areas, and a mixture of both to the black areas.

The subtropical grasses include the common and the improved Bermudas, St. Augustine, zoysia, and dichondra. The last mentioned is not a grass but a broadleaf groundcover which is commonly used for lawns.

Both St. Augustine and zoysia do well in either sun or shade, but the Bermudas are at their best only in full sun. The Bermudas make a thick turf and withstand heavy traffic, but they turn brown in late fall and so must be overseeded with a cool-season grass, such as ryegrass, in the fall if a green lawn is wanted over the winter. Zoysia is slow to become established, but once it is, it's both persistent and very resistant to wear. Dichondra does well in all subtropical areas except the low-elevation desert in the southeastern part of the state. A mixture of dichondra and Bermuda makes excellent lawns in the five southern coastal counties.

The temperate grasses are the bentgrasses, bluegrasses, *(continued on page 78)*

GROW WHEREVER YOU LIVE

care and feeding of lawns for the six main sections of the country

NORTHEAST A rich, green lawn starts with the careful preparation of the soil and the selection of the right kind of grass for the conditions under which it will grow. It stays that way as long as it gets the kind of maintenance it requires. Let's assume that your lawn got off to a good start and that the question right now is how to maintain it in good condition with a minimum of work and expense.

The three main phases of lawn maintenance in the Northeast are mowing, watering, and feeding, and you just can't have a good lawn if you neglect them. The first to get started on, as soon as you've cleaned up the lawn in late winter or early spring, is the feeding.

Grass needs feeding more often than anything else in the garden. So feed a bare minimum of twice a year—in early spring and late summer. But you'll have a better lawn if you feed three times a year—in early spring, early summer, and early fall. Our system is to use a standard commercial plant food in early spring, before growth starts, and to use an organic lawn food for the summer and fall feedings. The organic materials cost more, but they release their nutrients more slowly over a longer period, and there's no danger of their burning the grass. In early spring, when the grass is still dormant, burning is not a problem, and so the inorganic commercial fertilizer is satisfactory at that time. Use a spreader to obtain even distribution and apply the fertilizer at exactly the rate recommended by the manufacturer.

In most parts of the Northeast the soil is somewhat more acid than it should be for ideal lawn maintenance. So unless you know you're in an alkaline zone, your lawn will probably be benefited by an application of agricultural lime every year or two. A 50-pound bag per 1000 square feet is usually a satisfactory rate of application.

Mowing should start as soon as the grass begins to grow in the *(continued on page 79)*

MIDWEST The bluegrasses (Poa pratensis and numerous named selections) are the most satisfactory lawn grasses throughout the Midwest. They are known as cool-season grasses and under natural conditions are at their best in the spring and fall. Under garden conditions, with proper attention to fertilizing, watering, and mowing, they usually also provide an excellent turf during the summer and, in the milder parts of the area, during at least part of the winter. Like all garden plants, they require a certain amount of more or less special care to do their best.

Feeding is highly important in the maintenance of a good bluegrass lawn. To keep growing and maintain good color it needs a constant supply of nutrients, especially nitrogen, from the time it starts growing in the spring until growth ceases in late fall. Usually this can be provided by a good feeding in the early spring and another in the early fall. Use one of the many available lawn fertilizers, which contain more nitrogen than other nutrients and usually have at least part of the nitrogen in the form of slow-release urea-formaldehyde or organic matter, and follow the directions for twice-a-year feeding. But have a soil test made occasionally so that you can, if necessary, adjust your feeding program to correct an unbalance of nutrients.

More frequent and lighter feedings are better where the roots of trees, shrubs, or weeds are competing with the grass for the nutrients. Under such conditions, a light monthly application from late March until September will keep the lawn well fed.

The long-lasting, slow-acting lawn fertilizers are generally most satisfactory, especially for twice-a-year feeding, but don't apply heavy doses of them, or of fertilizers high in ammonia nitrogen, in the fall. Always use a fertilizer spreader to obtain even distribution.

If your present lawn is weak and thin, but still isn't bad enough *(continued on page 80)*

NORTHWEST Lawn care in the Pacific Northwest has to be divided into two parts, based on the two distinct climate and soil conditions that exist here. West of the Cascade mountain range, which divides the area north and south, bentgrass lawns predominate; east of the Cascades, bluegrass is the favored lawn grass. With bentgrass on the western side, our principal lawn maintenance problem is matting and thatching; on the eastern side, it's irrigation.

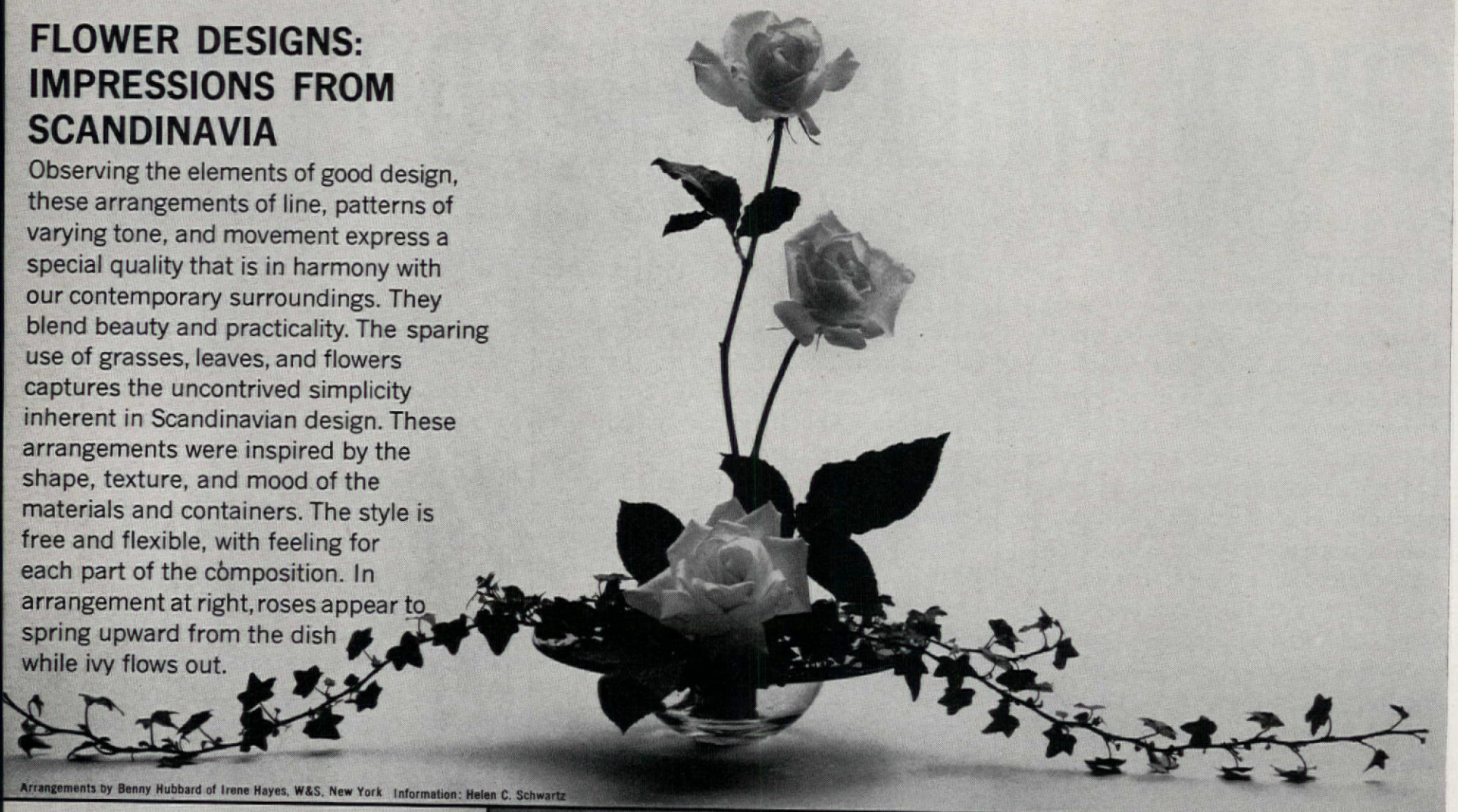
The problem created by the matting or thatching of bentgrass is best overcome by occasional use of a vertical cutting mower. This cuts down into the accumulated dead grass, or thatch, at the soil surface and thus allows normal penetration of air, water, and fertilizer into the soil. If this is not done, the grass becomes progressively weaker and more susceptible to disease. The vertical-cutting mowers do a better job than the formerly used spikers and can usually be rented. If you cannot locate one, the alternative is to "scalp" the lawn before new growth starts in the spring by mowing it very low. Rake the lawn thoroughly after vertical-cutting or scalping.

Irrigation problems east of the Cascades are usually local. To stay green all summer, bluegrass needs heavy watering (enough to moisten the soil 5 to 6″ deep) whenever the soil becomes dry. Where watering is not possible, bluegrass becomes dormant and turns brown during long dry periods, but usually greens up as soon as the fall rains begin.

Wherever you live, east or west of the Cascades, your lawn needs regular feeding to remain green. The frequency of feeding and the quantity of fertilizer to use depend somewhat on the kind of grass, the type of soil, and the weather conditions. In general, though, it's best to fertilize about five times a year—in late winter, early spring, early summer, late summer, and fall. The modern pelletized lawn fertilizers, applied with a *(continued on page 82)*

FLOWER DESIGNS: IMPRESSIONS FROM SCANDINAVIA

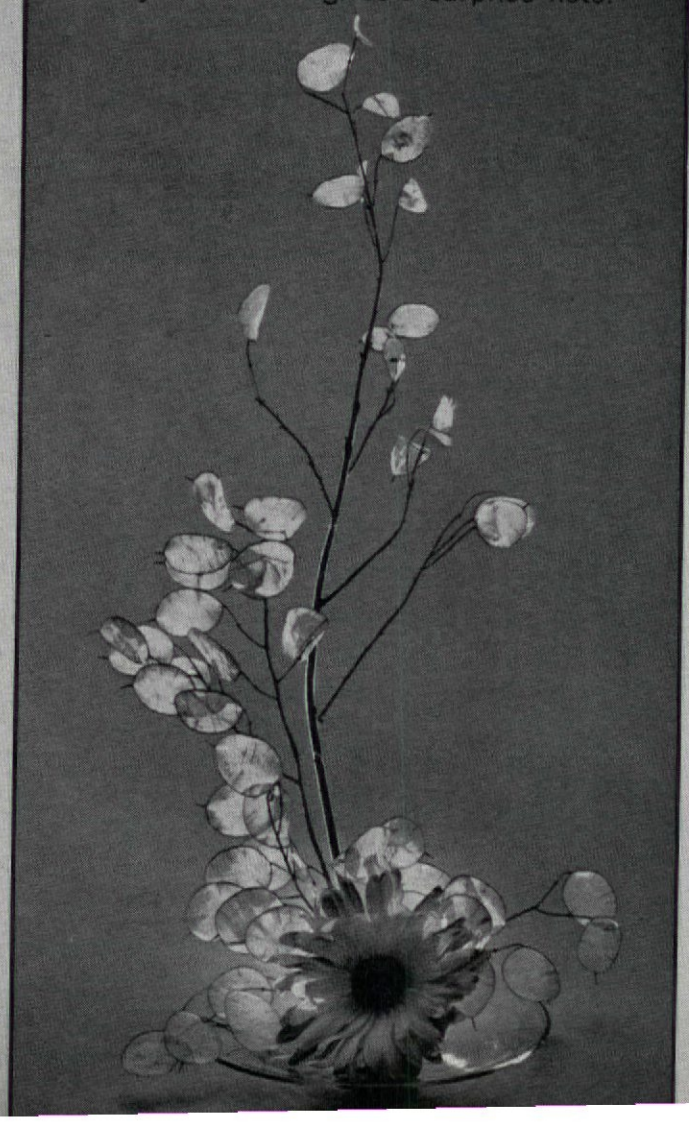
Observing the elements of good design, these arrangements of line, patterns of varying tone, and movement express a special quality that is in harmony with our contemporary surroundings. They blend beauty and practicality. The sparing use of grasses, leaves, and flowers captures the uncontrived simplicity inherent in Scandinavian design. These arrangements were inspired by the shape, texture, and mood of the materials and containers. The style is free and flexible, with feeling for each part of the composition. In arrangement at right, roses appear to spring upward from the dish while ivy flows out.



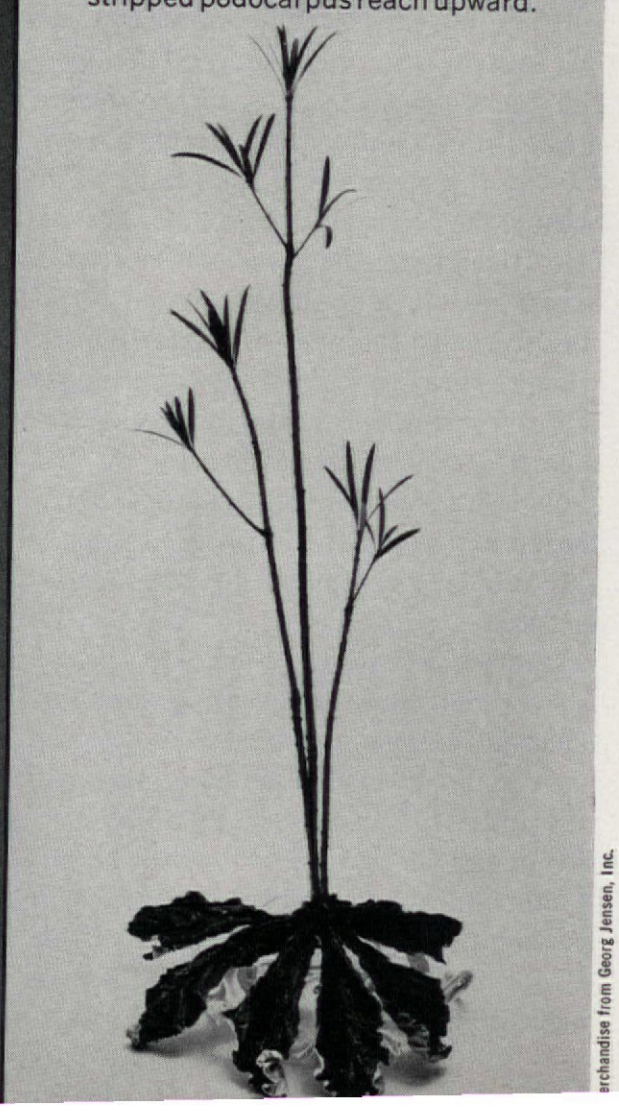
Arrangements by Benny Hubbard of Irene Hayes, W&S, New York Information: Helen C. Schwartz

Gentle arcs of feathery grass spikes seem to float in air extending upward the curve of the small bud vase. Curving down is a counter-balancing line of miniature ivy.

A branch of lunaria is anchored to a clear glass plate with floral clay. It has a luminous, ethereal quality. A semidouble chrysanthemum gives a surprise note.

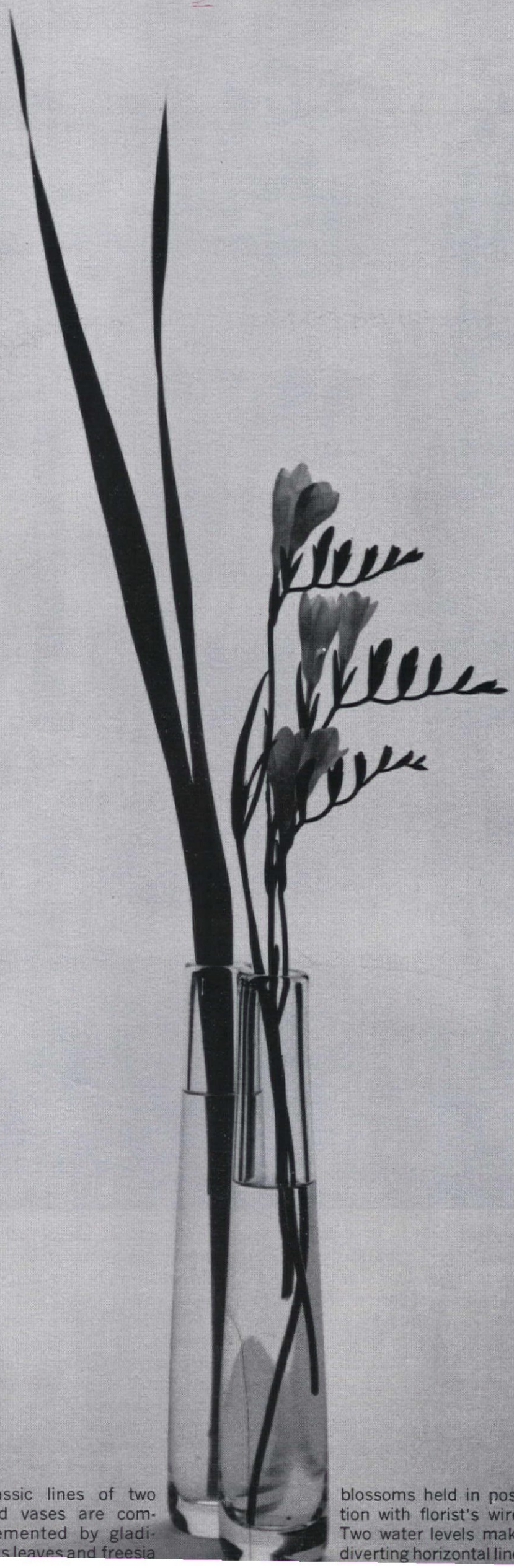


A pond leaf, split and dried on the underside of a glass ashtray, points down. Finger-tufts at the ends of stripped podocarpus reach upward.

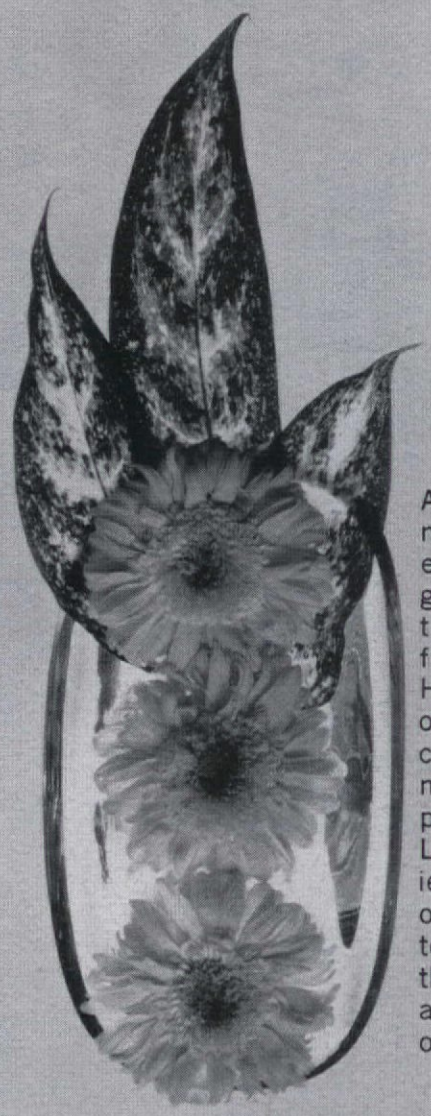


erchandise from Georg Jensen, Inc.

Rudy Muller



Classic lines of two bud vases are complemented by gladiolus leaves and freesia blossoms held in position with florist's wire. Two water levels make diverting horizontal line.



An arrangement of flowers in a low glass bowl is to be seen from above. Here blooms of semidouble chrysanthemums are placed in line. Leaves of variegated aglaonema extend beyond the dish like a ribbon bow on a corsage.

The whirling vines of miniature ivy spinning around the flower are molded into the shape of a pinwheel with wire. This arrangement gives the impression of continuing movement. Holder is a reversed candlestick.

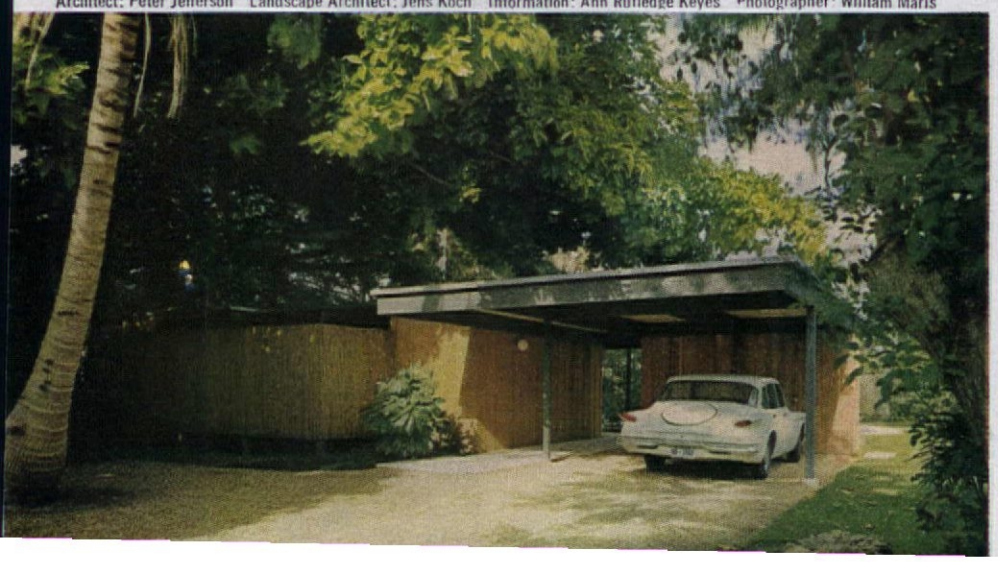
PRISCILLA CLAPP

OPEN MINDED HOUSE WITH A WORLD OF WARMTH

Sheltered by a great banyan tree which spreads a 100-foot leafy canopy, this skillfully planned house in Florida seems to be part of its beautiful tropical surroundings. It was built as a joint home for Mr. A. Richard Friedman, an ex-apartment dweller, and his recently retired father, who moved from a traditional home in New Jersey. Architect Peter Jefferson was asked (1) to work within a $25,000 to $27,000 budget, (2) to plan for two separate sitting-bedroom suites, and (3) to develop several areas for outdoor dining and living. Although the house has only 1522 enclosed square feet, the adjacent areas give it the appearance of being much larger. Above: seen through the glass wall are, from left to right, the garden room, living room, dining room, and the steps leading to Dick Friedman's sleeping area. At right, the lower branches of the banyan tree just cover the carport, which is the only part of the house visible from the street. At far right is the elder Mr. Friedman's special province: the terrace on the southeast side of the house overlooking an oval swimming pool and beautifully manicured grounds. Part of the architect's conception for the interior design was to feature the great tree. (continued)

If you're interested in visiting the new homes of Florida, turn to page 96.

Architect: Peter Jefferson Landscape Architect: Jens Koch Information: Ann Rutledge Keyes Photographer: William Maris



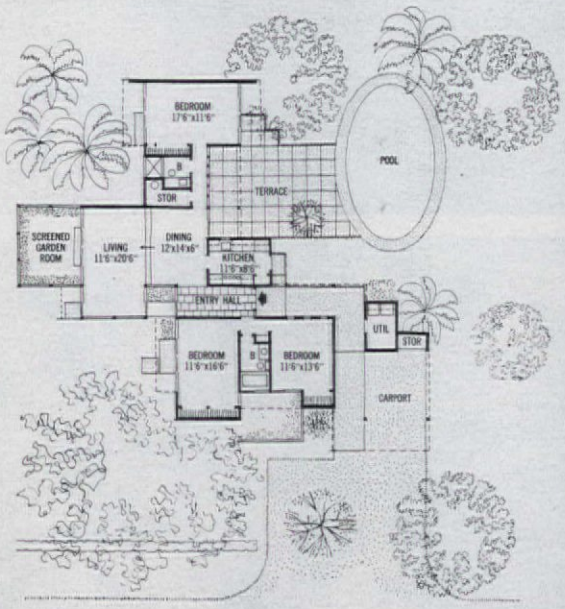
(continued)

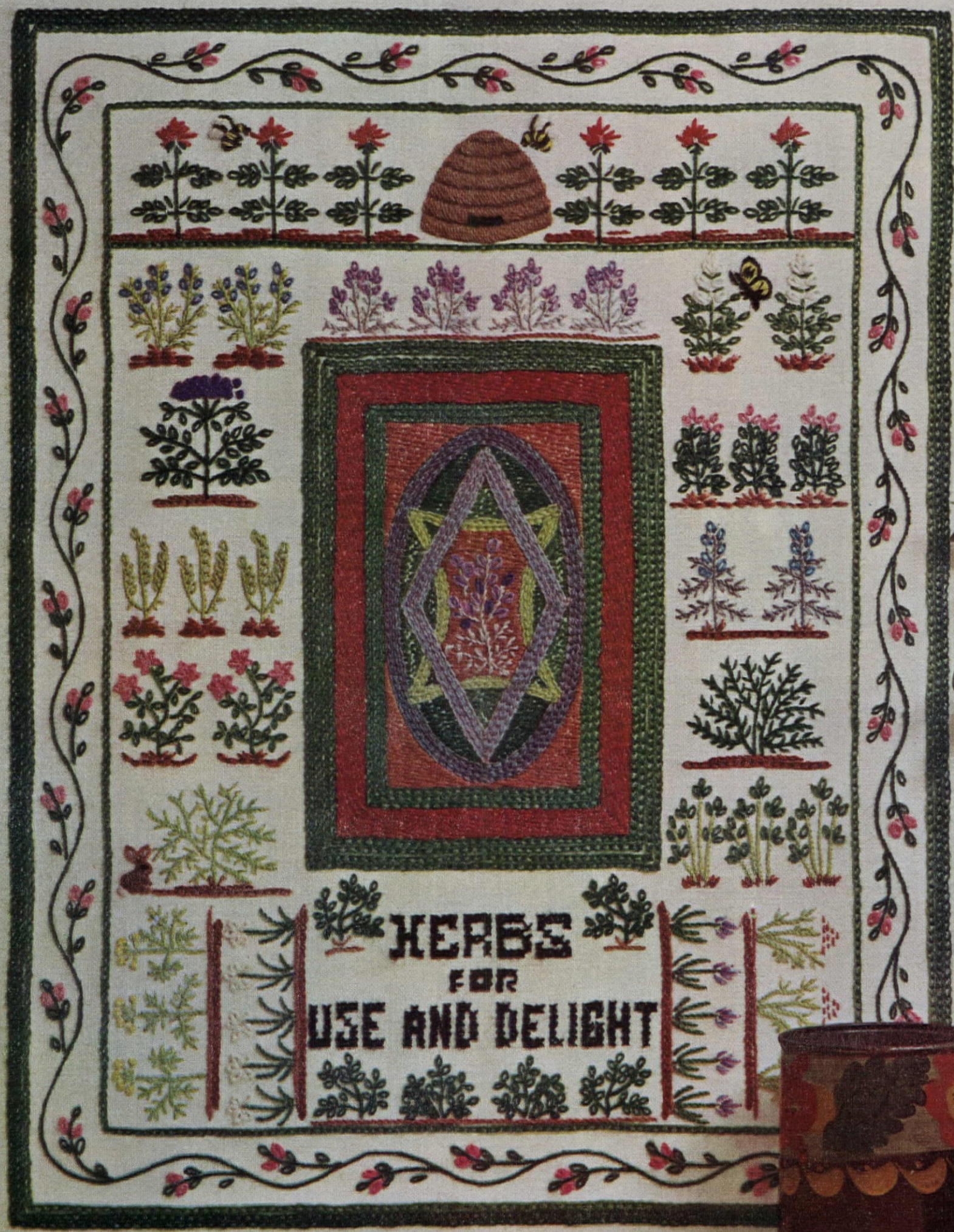
The dramatic impact of the great tree on the interior of the house can be seen on these pages. But an integral part of the architect's plan was to keep the tree as a surprise, until visitors were well inside. Hence, the shielded and covered walk leading to the entrance and foyer. The foyer is turned into an art gallery, with a concave plastic skylight to dramatize the paintings. It's interesting to note the absence of "decorating" elsewhere in the house. Nature does the job so well that further embellishments would only detract. Simple glass walls all but erase the distinction between inside and outside. All other materials—cedar plywood walls, vinyl wallcoverings, uncovered terrazzo and tile floors—are fittingly honest and easy to maintain.

Notable, too, is the free-flowing floor plan which encourages casual, relaxed groupings of furniture instead of enforcing conventional line-ups in well-demarcated areas. Old and new furnishings are entirely compatible (eventually the traditional pieces will be re-covered in contemporary fabrics to perfect this blending of style).

The corridor-type kitchen is particularly well planned with excellent work areas for the two accomplished gentleman cooks, and is conveniently located for informal serving both indoors and out. A favorite spot is the garden room, off the living room. Built in a natural rock depression, it's screened on three sides and secluded by luxuriant foliage. The house is beautifully oriented to its site, taking full advantage of the natural beauty surrounding it.

The plan shows how, for all the openness of its design, the house provides completely independent suites for father and son. They can entertain individually, or open the house wide for a large indoor or outdoor gathering.





ANOTHER AMERICAN HOME KIT/ You can make this enchanting crewel-embroidered herb sampler. Worked with easy-to-do stitches, the delicate blossoms are in nature's own colors. The size is approximately 15 x 19". Another version for cross-stitch fans is also available. Details, cross-stitch sampler, and order form are on page 74.

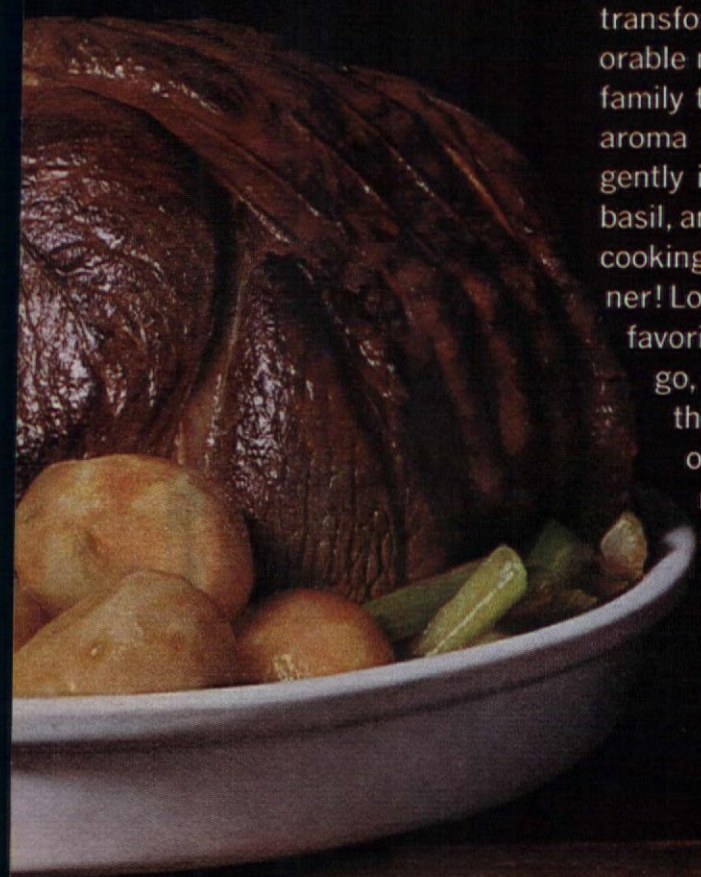
This spring, try growing your own fresh herbs. They're disarmingly easy and yet they'll reward you as no other plants ever rewarded you before. You'll delight in their zesty fragrances, in the delicious flavors they'll impart to foods, and in the simple beauty of the plants themselves. A dozen or so of the most useful kinds will give you a gourmet's selection and will occupy only a tiny part of your garden. Quite a few will also grow well, summer and winter, right in your kitchen window. Our group here includes both annuals and perennials. All the annuals can be easily started from seed; some of the perennials also can be grown from seed, but some are best acquired as plants. None demands anything more than adequate sunlight, good soil, and the routine care you'd give any worth-while plants indoors or out. Basil (Ocimum basilicum), which comes first alphabetically and is an easy-to-grow, bushy annual, is best started from seed indoors in early spring, like tomatoes, and planted outside as soon as the weather turns warm. It does best in full sun and can be potted up and grown inside in a bright, sunny window. It grows 12-18″ high and, if seed is sown outdoors, the seedlings should be thinned out so that the plants are spaced about *(continued on page 70)*

GROW FLAVORFUL HERBS IN YOUR GARDEN OR KITCHEN WINDOW

GERTRUDE B. FOSTER

Irwin Horowitz

Irwin Horowitz



Virginia T. Habeeb

HERBS AND SPICES: THE SECRET KEY TO FLAVOR

Think not that herbs and spices must be reserved for your most elegant gourmet meals. They are the key to unlock excitingly different flavors in the family dinners everyone loves! See here how the magic touch of herbs works wonders with pork, pot roast, and chicken. You who complain that "dinners are so daily," try our succulent Glazed Pork Roast. A fennel-flavored corn bread stuffing and a glaze of cranberry sauce have transformed an ordinary loin of pork into a memorable meal. Some blustery March day treat the family to a hearty Pot Roast Milanese. Just the aroma from the kitchen as the meat simmers gently in tomato juice blessed with bay leaves, basil, and oregano will make everyone ask what's cooking. And everyone will be on time for dinner! Looking for a new way to cook a family favorite—chicken? Try Chicken Marengo, Oven Style. Chicken is browned, then baked in giblet gravy, with onions, fresh tomatoes, and mushrooms, seasoned delicately with something extra—in this case rosemary and thyme. Below are menu suggestions to go with each of these dishes. You'll find recipes on page 59 along with three additional recipes for tempting ways with veal, corned beef, and lamb. Try them all and see how you can make these everyday meats become family favorites. Remember, there's hardly a food you eat that won't be better with a dash of herbs or spices. Start now and become a seasoning cook. Season to taste with a light touch of fragrant herbs!

Glazed Roast Pork With Corn Bread Stuffing*
Peas With Mushrooms — Sweet Potato Rosettes
Orange and Chicory Salad
Baked Apple With Vanilla Sauce

Pot Roast Milanese*
Potatoes, Carrots, Celery
Spring Green Salad — Parker House Rolls
Old-Fashioned Cherry Cobbler

Chicken Marengo, Oven Style*
Fluffy Buttered Rice — Green Beans and Almonds
Buttermilk Biscuits — Molded Gelatin Whip

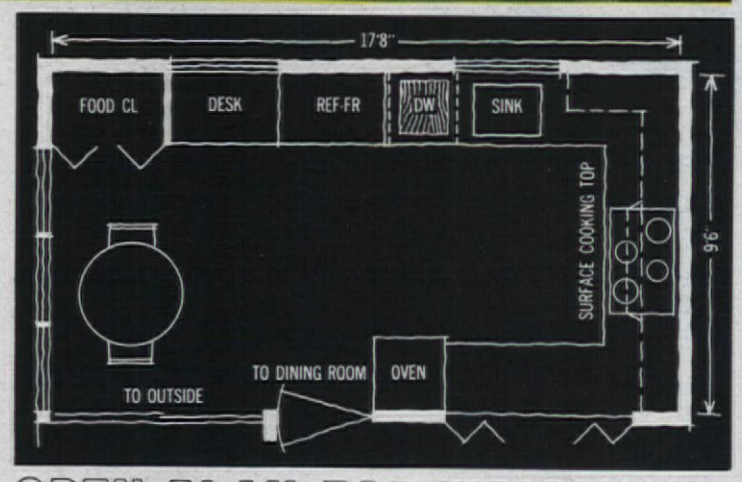
Sweet Talk

Photographer: Irwin Horowitz
Artist: Tomi Ungerer

She drives everyone Crazy with her desserts.
She whips up Lord Baltimore Cake
as if it's nothing at all. Her Apricot
Bavarian Cream is a Charmer.
Her Caramel Custard is equaled only
by her tantalizing Ice Cream Meringue.
No wonder he's mad about her..... We are too!
Recipes are on page 5.

LET YOUR PERSONALITY

Designer: Don M. Rutledge Interiors Information: Ann Rutledge Keyes Photographer: Ezra Stoller Associates

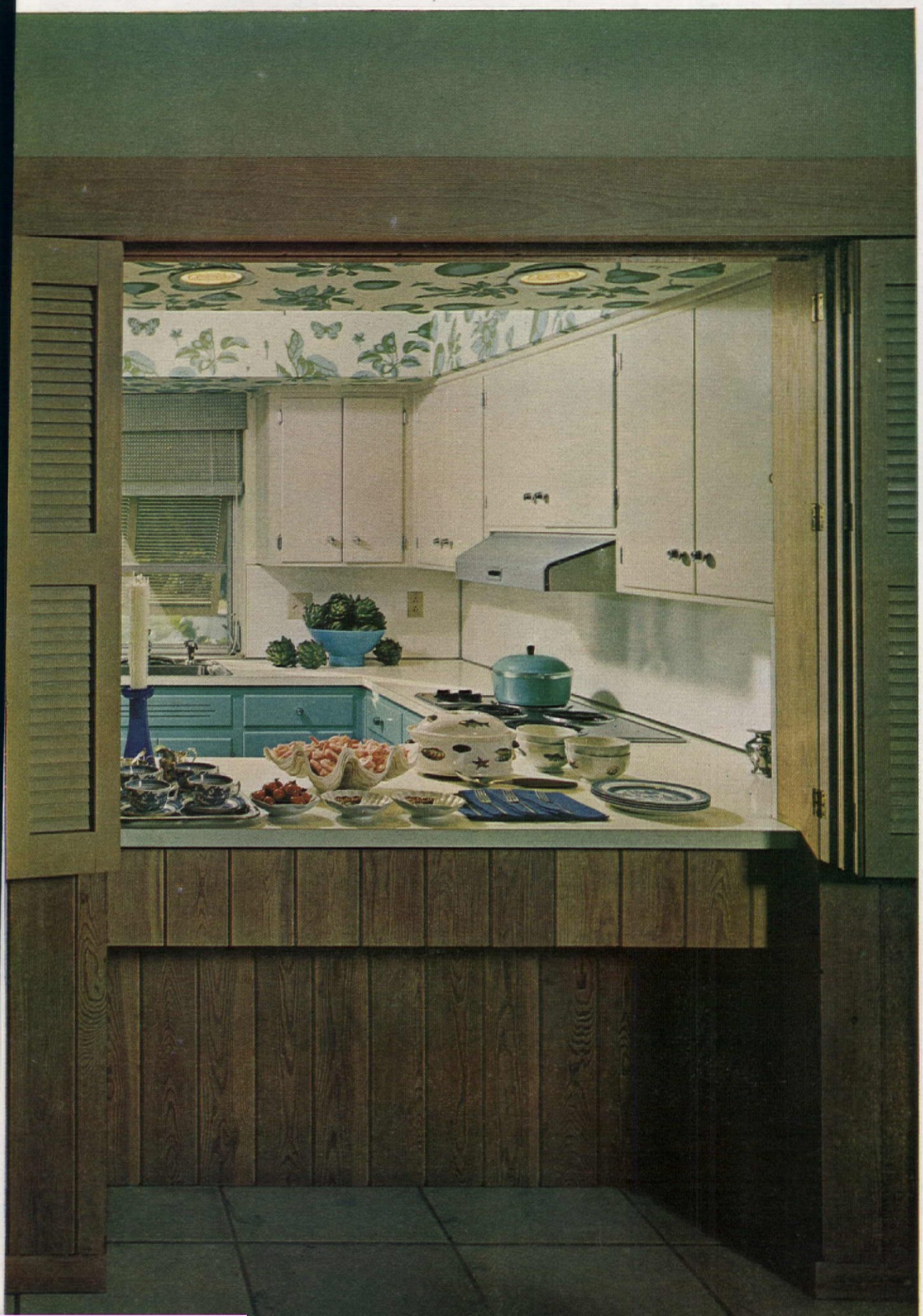


OPEN PLAN FOR INFORMALITY

Gay, spirited, and ready for fun—that's the feeling you get when you walk into the kitchen of Mr. and Mrs. Edwin Underwood of Key Biscayne, Florida. Is the party outdoors? Then simply walk out to the charming tropical garden through the sliding glass doors you see above. Or is it a buffet served in the living room through the shuttered pass-through at right? Either way, the Underwoods' whole happy life centers around this well-planned kitchen with its U-shaped work area. Contemporary in feeling, the colors in the stain-resistant wallpaper are repeated in the two-toned cabinets and accessories.

VIRGINIA T. HABEEB

SHOW IN THE KITCHEN



Whether you are building a new kitchen or remodeling an old one, we are the first to proclaim that it should be coolly efficient and functionally perfect. Any kitchen worth its salt should have well-defined work centers for preparing, cooking, and refrigerating food, and a spot for cleaning up afterwards. It should boast the necessary major appliances (including a dishwasher!) and have adequate lighting, wiring, and plumbing.

But beyond this, your new kitchen should reflect the way your family lives and bear the stamp of your own personality. We've discovered five basic kitchen types and have added one of our own. All six seem to fit the way most families like to live. Pick the one here that best suits your needs and then let your own individual touches carry on from there!

The open-plan kitchen. Like to entertain informally, wander from kitchen to patio, pool, terrace, or nearby living room? Choose an open-plan kitchen which adjoins one or more of these areas.

The compact kitchen. If you like everything within arm's reach and an abundance of features in a small area, this is your kitchen!

The family kitchen. For you who want family and friends nearby while you work, this kitchen offers an area to relax—in a family room.

The dining kitchen. For the family that's on the run yet likes to eat together, the dining kitchen is simply a place to cook and to eat.

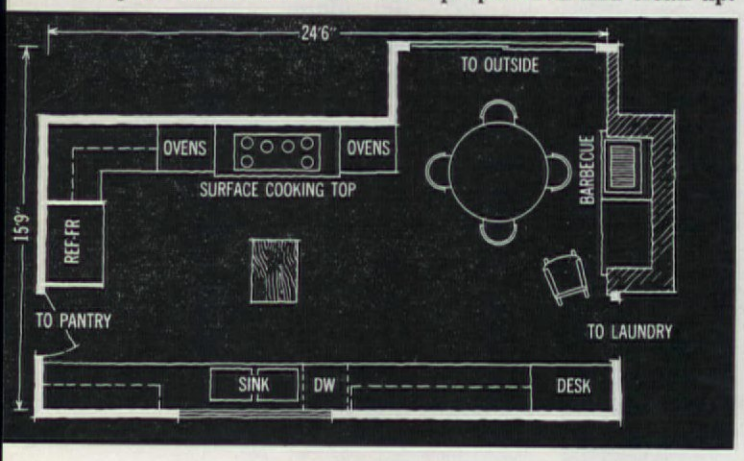
The fun or hobby kitchen. Would your family like a soda fountain? Love to sew, arrange flowers, or need "office" space? Plan a kitchen that sets aside a special area.

The two-in-one kitchen. A new concept in kitchens conceived by *The American Home* offers secondary cooking and refrigeration areas in one large kitchen, or in the den or family room!

Shopping Information for Kitchens, page 84

A COZY **FAMILY** KITCHEN EVERYONE ENJOYS

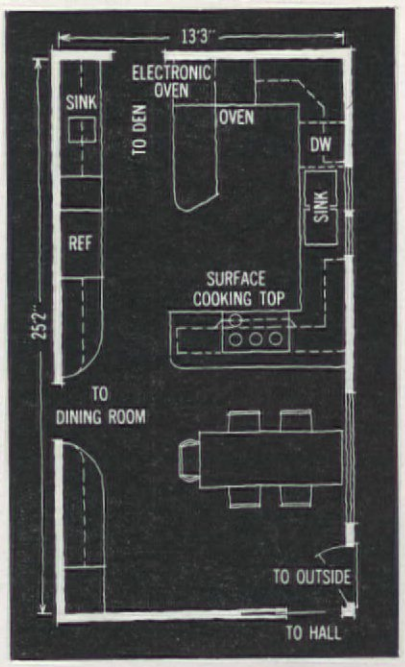
A crackling fire and the warmth of Early American décor set the theme of this comfortable family-area kitchen owned by Mr. and Mrs. Weston Lloyd (she's Georgia Bullock, the dress designer) of Beverly Hills, California. Lovely antiques, fir beams on the green washable wall-papered ceiling, used brick, and natural oak cabinets combine harmoniously to provide a distinct and relaxing change of pace for an active family. Important to the Lloyds, who entertain a great deal, are the well-zoned work areas and large appliances—six-unit range top, quadruple ovens, and double door refrigerator-freezer. A butcher block is kitchen-centered, providing extra counter space when needed for meal preparation and clean up.



Decorator: Laura Mako Information: Barbara Lenox Photographer: George de Gennaro

DESIGNED FOR EATING & COOKING

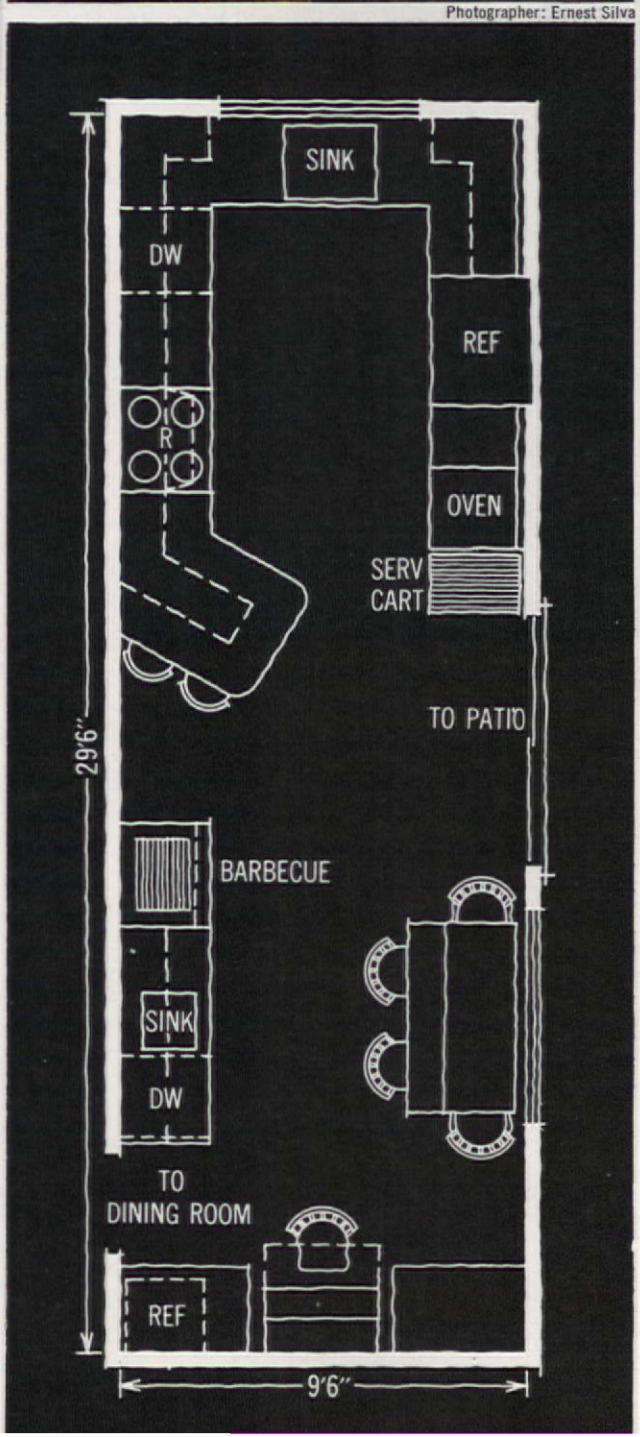
This vibrant, colorful kitchen features a large family eating area. Sturdy furniture is designed to take the rough and rugged treatment of small children. The handsome table was made from an old sewing machine base with a new strong oak top. Unfinished chairs are custom colored in artichoke to contrast with the violet and white steel cabinets. Uncluttered counters surrounded by roomy cabinets form work areas around the cooking top, ovens, dishwasher, sink, and refrigerator. A small sink, in the refrigerator-storage wall, completes a well-planned serving unit handy to both the dining room and den.



Interior Designer: Michael Love Information: Dorothy Rodenburg Photographer: Lisanti

NEW CONCEPT: A **TWO-IN-ONE** KITCHEN

Photographer: Ernest Silva



Find yourself doing more and more casual cooking? Entertain from one end of the house to the other? Then consider having a two-in-one kitchen or perhaps *two* kitchens. We think the idea of decentralizing kitchen equipment to those areas where it will best serve your family's needs is a good one. The second kitchen we designed here adjoins the main kitchen. Yours could easily be located in the family room, basement recreation room, porch, patio, carport—even in a bedroom wing. A second kitchen should certainly be more compact and budget-conscious than a main kitchen. It could be a little more than a storage wall equipped with bar-size sink, counter area with outlets for small appliances or portable range unit. Our decentralized kitchen, with its colonial-design walnut and oak cabinets and traditional hardware, is chock-full of ideas. We put a four-cubic-foot refrigerator (handy for beverages and snacks) into the storage closet of the functional second kitchen. The easy-to-maintain wall behind the gas barbecue is brick facing (it can be nailed on!). Both kitchen areas have dishwashers—one for pots and pans, the other for dishes from the dining table. (continued)

(continued)

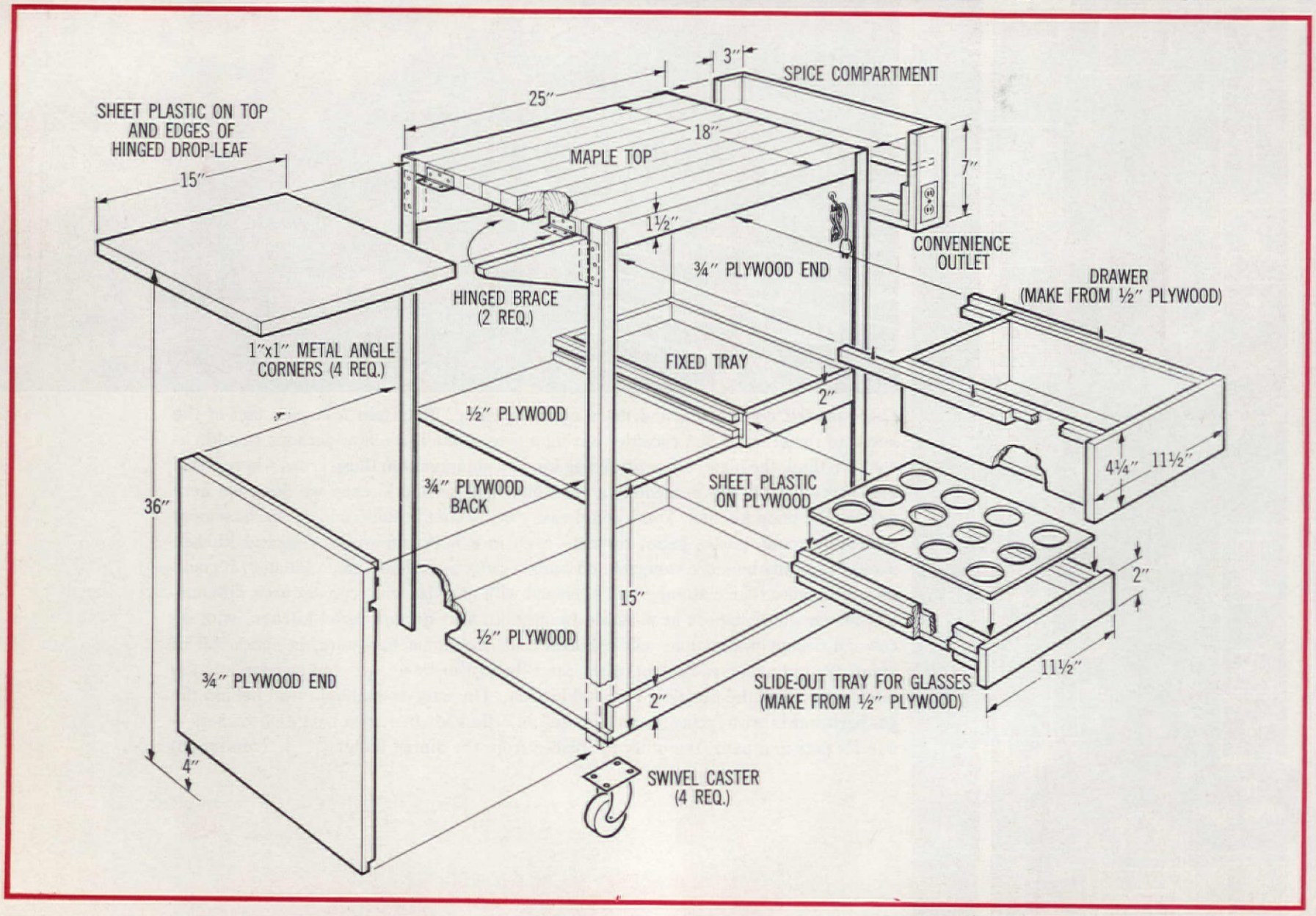
If you study the features offered in our two-in-one kitchen you'll see how we've split the work. Cooking: Main kitchen has a compact free-standing gas range with extra-large oven plus a built-in oven on the opposite wall. Second kitchen has the "fun" appliance—a gas barbecue unit. Refrigeration: Main kitchen makes big use of the gas refrigerator-freezer. Second kitchen boasts a small refrigerator which holds food items used mainly in the dining area. Cleanup: Both kitchens have stainless-steel sinks. And each has a dishwasher! We believe in full automation when it comes to this chore. Pots and pans find their way into the one in the main kitchen, while the other does the dishes straight from the table. Both have their own built-in gas water heaters to boost water temperature. Serving: Main kitchen features wide counter. Second kitchen, with limited counter space, relies on the serving cart designed by The American Home.

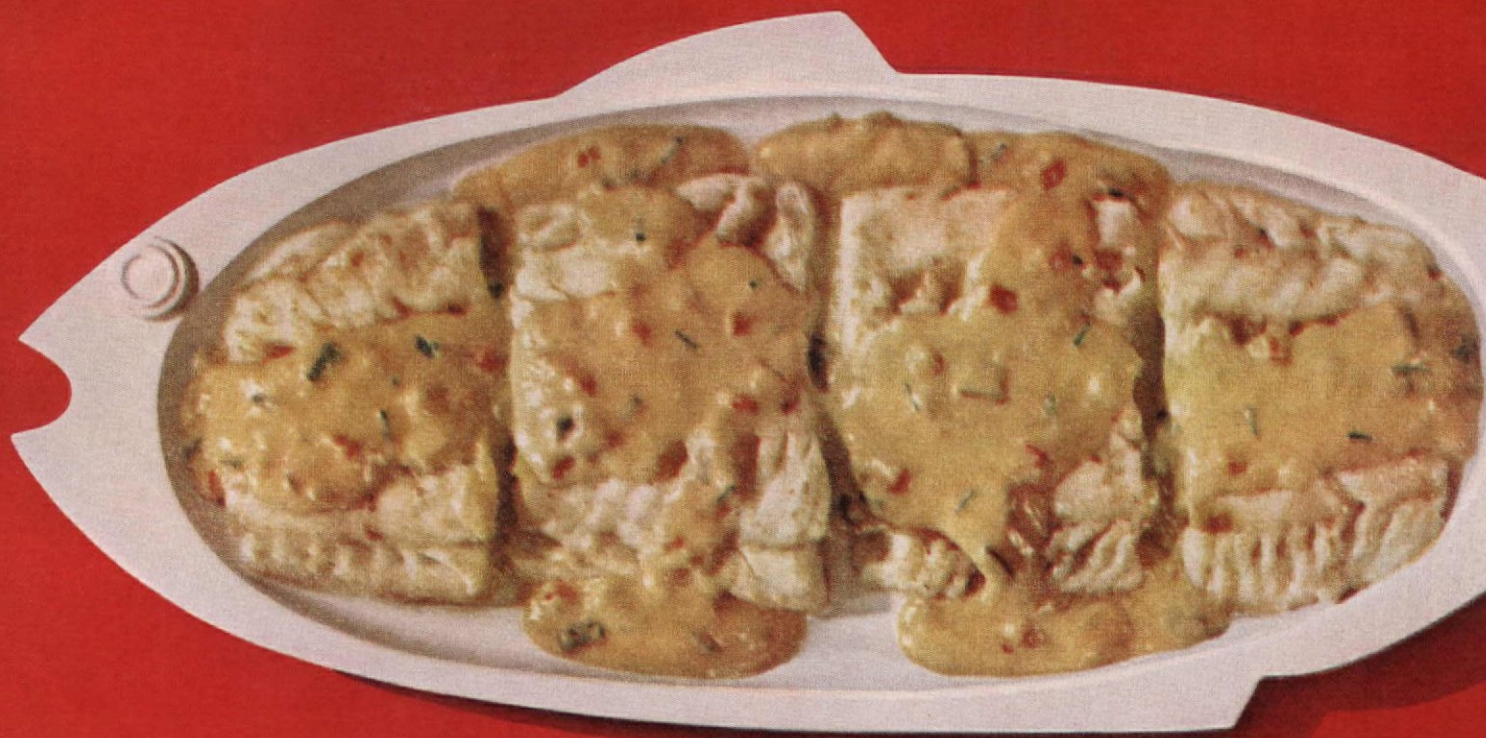
Cabinets in blond oak and walnut finish show how two styles and finishes can be used in the same room with harmony. Flooring is a 20th-century version of old wide-planked floors. Rosewood vinyl planks pegged with white vinyl and separated with divider strips make a handsome pattern underfoot. Over-all lighting comes from illuminated ceiling panels, recessed lights in open soffit areas, and under cabinet areas. Decorating scheme calls on an old favorite—black and white, with red accents.

All gas appliances are available to operate on natural, manufactured, or LP gas.

Compact refrigerator set inside this cabinet gives four cubic feet of additional space. Ventilation is provided in the rear since we covered the front grille with a solid door. You could use a louvered door in such an installation. Wine bottles in plastic holders stay at room temperature. The painted interior is one of many fine custom features offered in factory-made cabinets.

Brilliant go-between cart wheels between barbecue and patio, main kitchen and table. Heat-proof maple top doubles as chopping block and landing spot for hot food coming out of oven. Leaf lifts up for added work space. Tray holding glasses lifts out. Drawer holds napkins and flatware for outdoor dining. Shelves are edged to keep dishes and food from sliding off. Convenience outlet and extension cord provide facilities for small appliance use. The cart will be produced by the cabinet manufacturer or you can copy it from the drawings shown below.

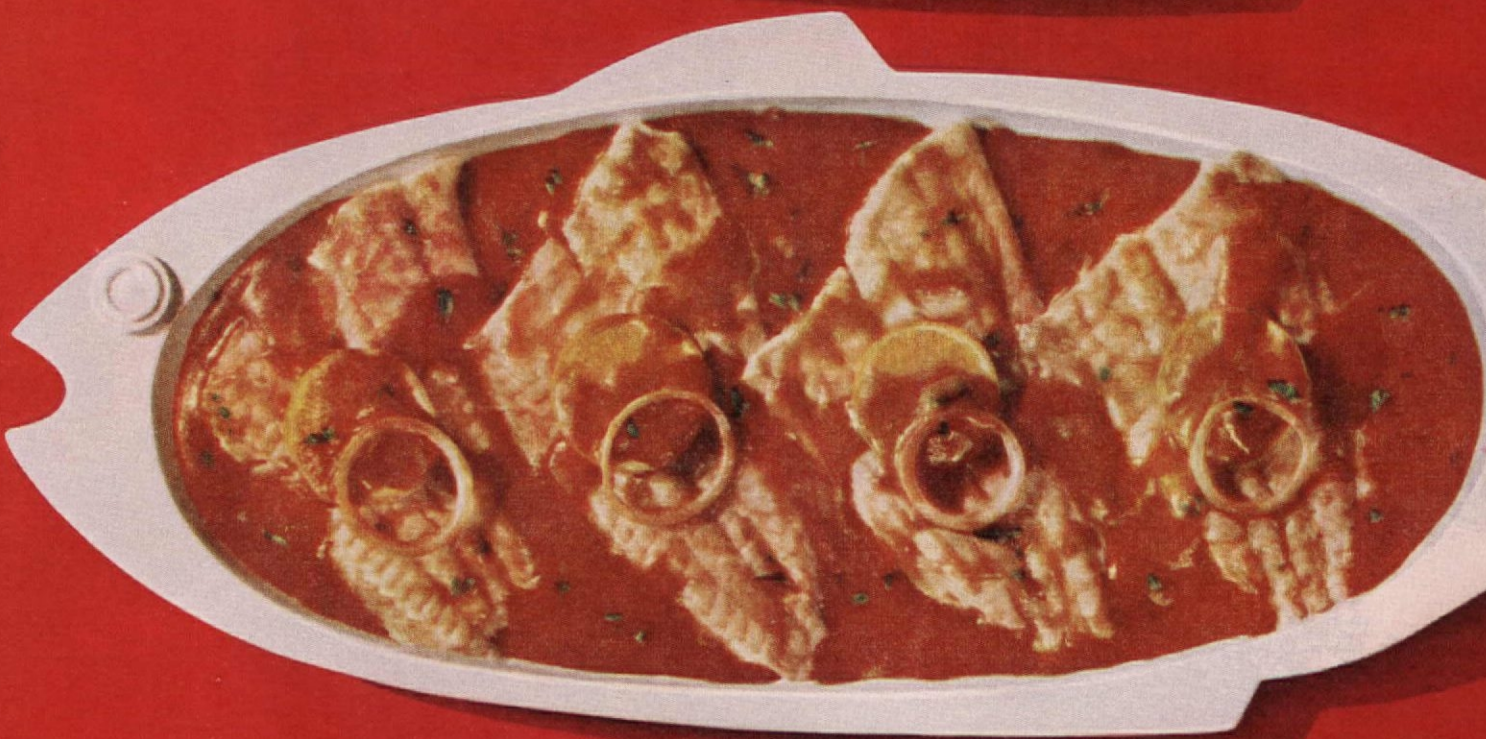




GOLDEN-SAUCED FISH

1 can Campbell's Cream of Vegetable Soup
⅓ to ½ cup milk
1 tbsp. chopped chives*

In saucepan, combine all ingredients. Heat, stirring now and then. Serve over broiled or fried fish fillets or salmon steaks (about 1 lb.). 4 servings.
*Or, in place of chives, a generous dash dill leaves, 1 small clove garlic (minced), or 1 tbsp. chopped parsley.



BARBECUE-BAKED FISH

1 lb. fish fillets (thaw if frozen)
1 tbsp. butter or margarine
4 thin slices lemon
4 thin onion rings
2 tbsp. chopped parsley
1 can Campbell's Tomato Soup
¼ cup water

In baking dish (10 x 6 x 2") place fish; sprinkle with salt, pepper. Dot with butter; top with lemon, onion, parsley. Mix soup, water; pour over fish. Bake at 400° F. for 20 min. or till done. 4 servings.

TUNA A LA KING

½ cup sliced celery
2 tbsp. chopped onion
1 tbsp. butter or margarine
1 can Campbell's Cream of Mushroom Soup
½ cup milk
1 can (7 oz.) tuna, drained and flaked
2 tbsp. chopped pimiento

In saucepan, cook celery and onion in butter until tender. Blend in soup and milk. Add tuna and pimiento. Heat; stir now and then. Serve on 4 slices toast. 4 servings.

fish for compliments

3 easy recipes you make with *Campbell's Soup*

PRESTO®

EXCLUSIVE SPRAY VENT

Presto! Pushbutton Spray-Steam Iron

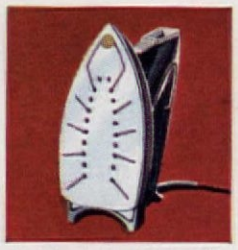
does more fabrics without pre-dampening than any other!

Good-bye sprinkling. Discover the joys of the steamingest iron yet! Let Presto's new Spray-Steam system put a fast and crisp finish on pieces you used to pre-dampen.

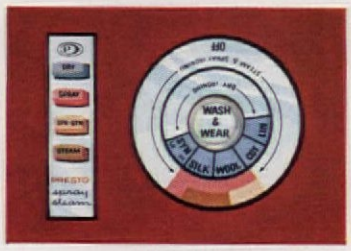
Here's the first iron to *spray* with *steam*. Right from the soleplate Spray Vent comes a continuous spray of *steam*. No water to sputter, splash your hands or spot delicate fabrics. And all the moisture goes into the fabric. No water drops to stay on the surface and evaporate before your iron can get to them.

And when you use the combination Spray-Steam setting shown in action above, you're getting at least *twice* the steam provided by any other iron!

Exclusive soleplate spray vent pushes a steam spray deep into the heaviest fabric. No pre-dampening or water to spot and evaporate.



Ironing goes faster with 20 steam ports all over the big masterful soleplate. Holds more water (9 oz.), steams longest . . . up to 40 minutes!



Just color-match push buttons to the dial for the kind of ironing you want: (A) Spray, (B) Steam, (C) Spray-Steam, or (D) Dry. Wide range of steam and dry settings for wash and wear, delicate synthetics.

Another Presto Favorite, Presto's Steam-Dry Iron. New, wider range of steam control; 21 steam ports; up to 35 minutes without refilling. Steamingest of all steam-dry irons!

SPRAY-STEAM AND STEAM IRONS BY

PRESTO®

NATIONAL PRESTO INDUSTRIES, INC., EAU CLAIRE, WIS.

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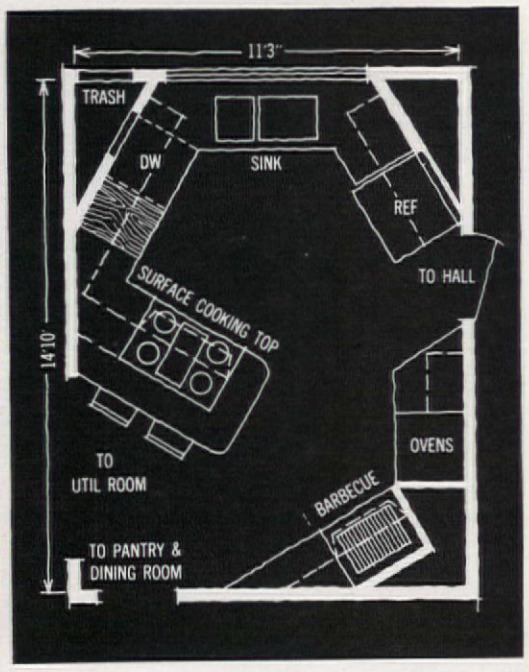
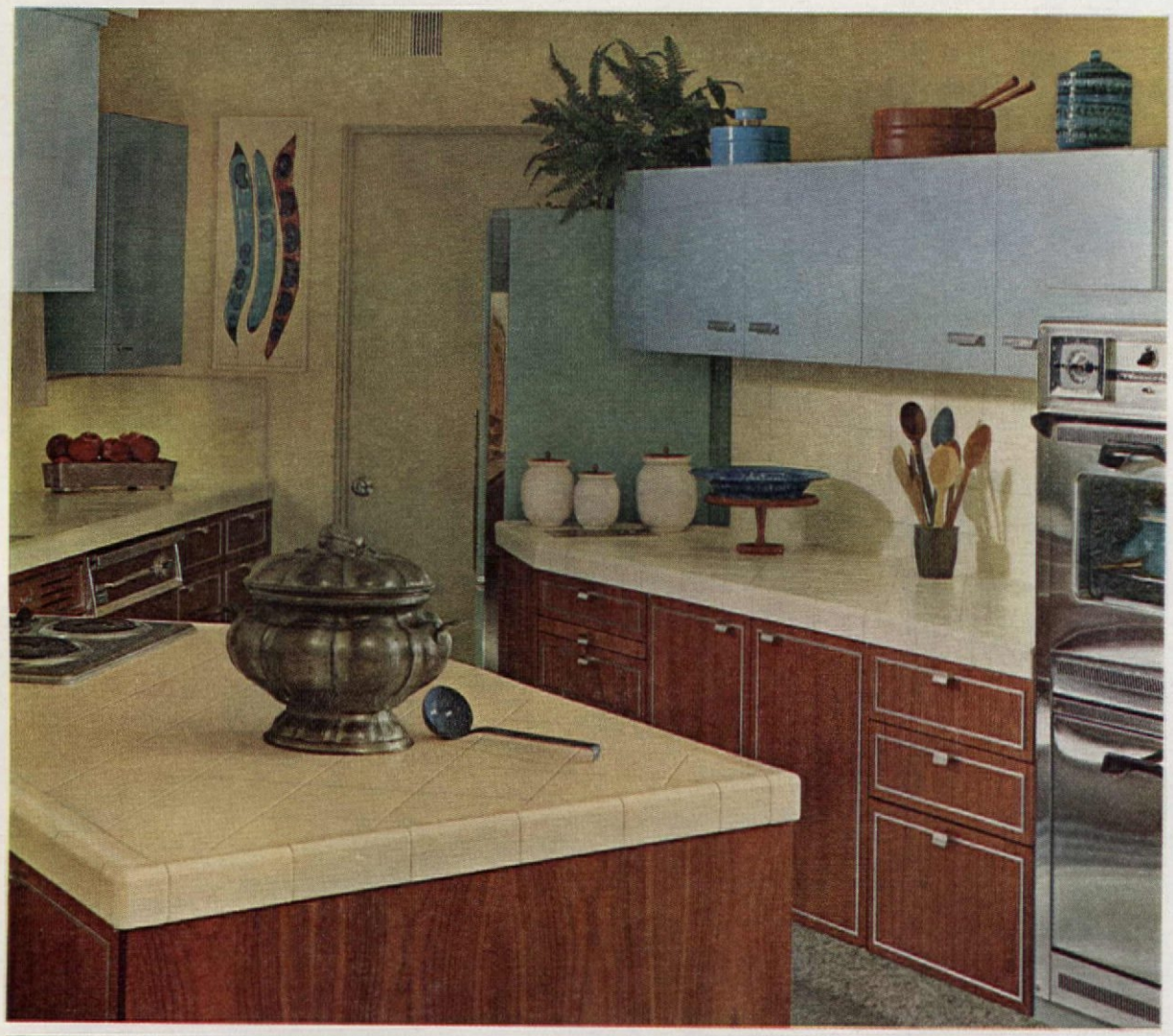
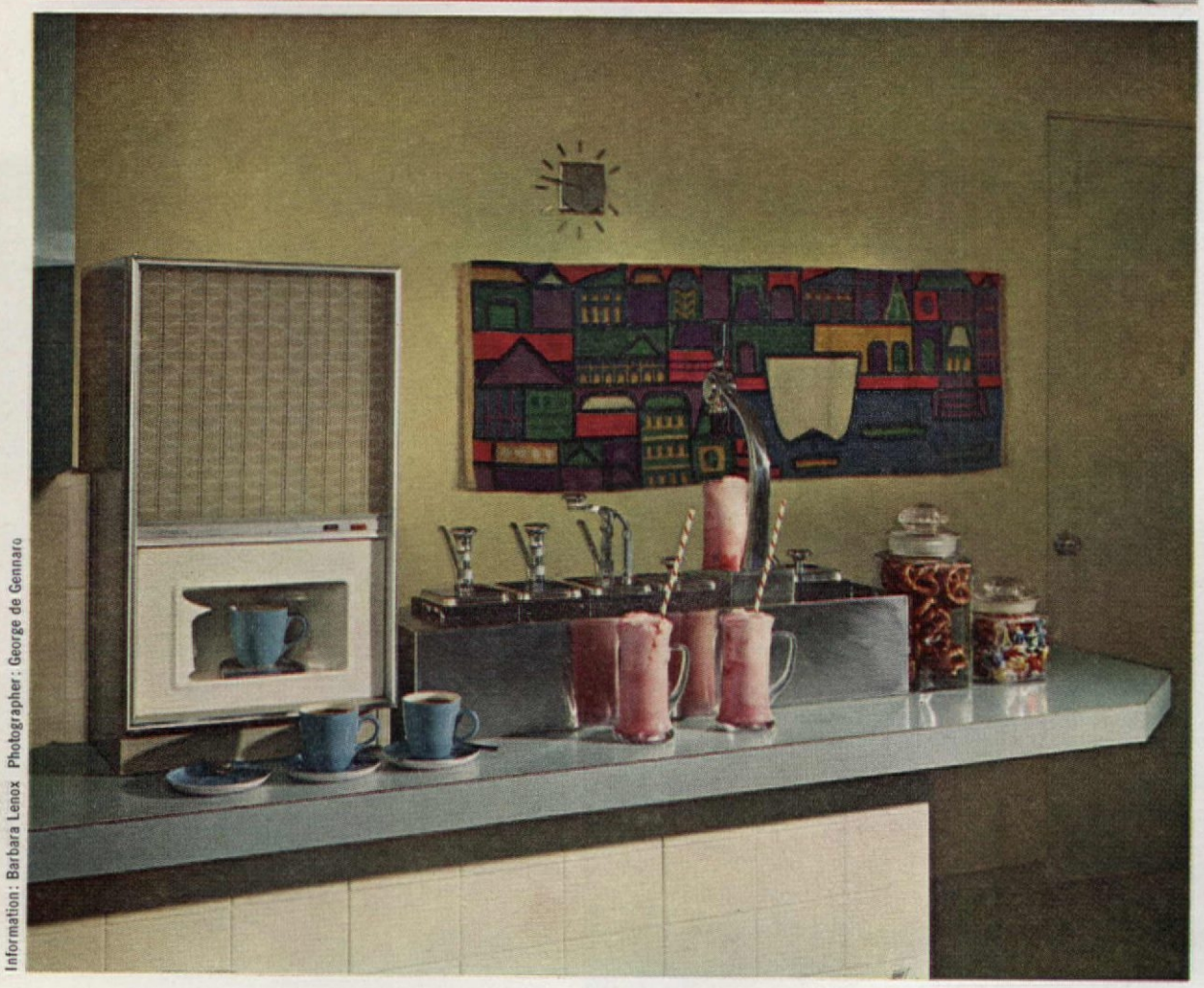
A SMALL ROOM WITH EXTREMELY BIG IDEAS

This compact kitchen in the home of Dr. and Mrs. Victor Kupper of Los Angeles, California, is designed to take full advantage of nooks and angles to meet the necessary requirements of a well-planned, functional kitchen. In a very limited area, this kitchen was tastefully designed to include a double oven, double sink, range top, large refrigerator-freezer, dishwasher, snack area, plenty of counter and storage space—plus, to the delight of family and friends, a built-in barbecue. Realizing it would be impossible to install all these features lined up along the four walls of a rectangular room, Mrs. Kupper had her kitchen designed at angles. The range top juts out in a peninsula from the wall. No wasted space here—a snack or serving bar is located at the back of the range. The clean-up area, angled between two walls, has a trash basket concealed in the triangle behind the dishwasher. A similar triangle on the refrigerator wall is used to hide all necessary plumbing. Still another triangle houses the fun appliance—a barbecue. Topped off with colorful decorations, adequate ventilation, and bright lighting, this kitchen proves that, with good planning, a lot can be accomplished in a small area.

Designers: Ralph and Jane Bonnell Information: Barbara Lenox Photographer: George de Gennaro







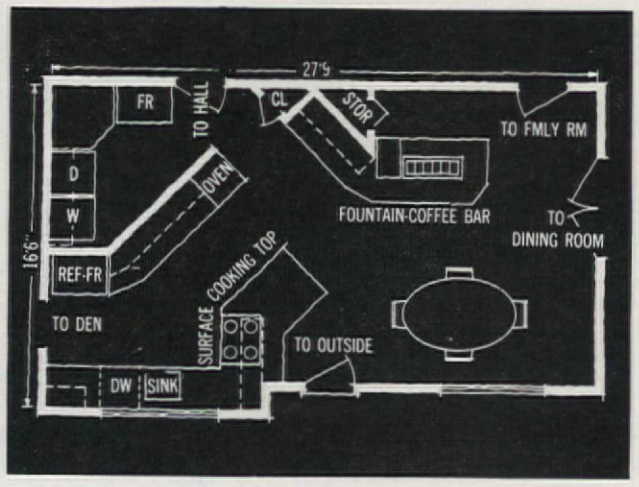
Information: Barbara Lenox Photographer: George de Gennaro

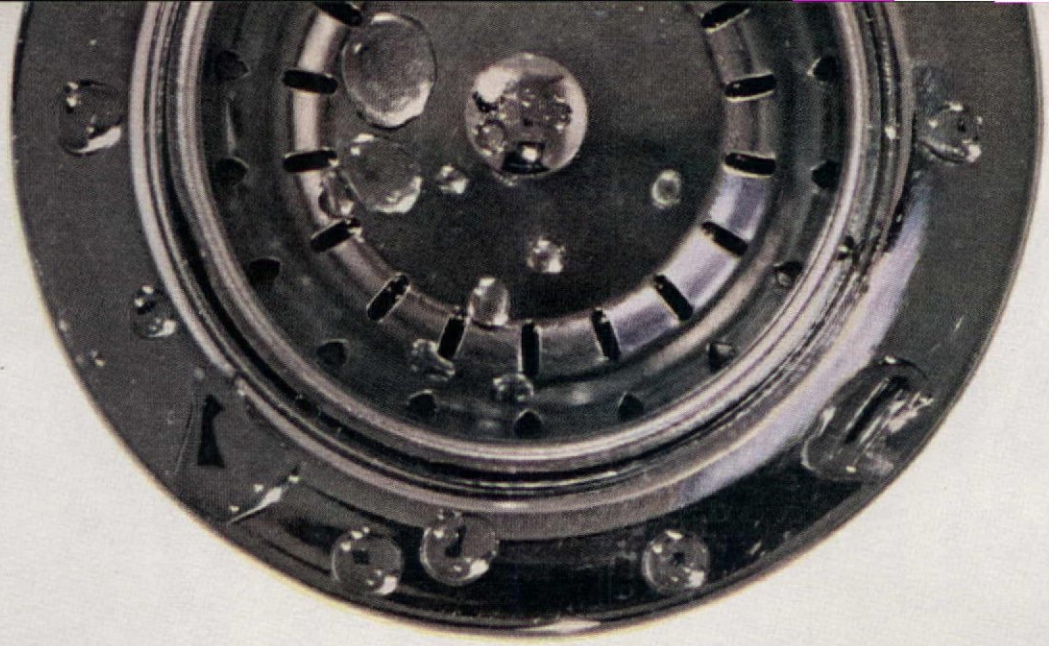
WELL-PLANNED WITH A SPECIAL AREA JUST FOR FUN

This bright contemporary kitchen in the home of Mr. and Mrs. H. S. Scott of Beverly Hills, California, has hidden assets that make it the most functional we've seen in a long time. The sleek wood-and-steel, factory-built cabinets divide the large room into efficient work areas designed so that the daily kitchen activities can be accomplished with a minimum of effort. There's a concealed corner laundry, a compact meal preparation center, and a large eating area. But the star of the show is the special section set aside just for fun—a uniquely designed bar featuring a soda fountain and built-in coffee maker which brews fresh coffee at the press of a button. Here is where the Scotts informally entertain both youngsters and grown-ups. You'll note in the floor plan it's just steps away from the adjoining family room.

The kitchen itself is designed so that equipment is not lined up along the walls, but is angled and cornered to get the most out of the space. At the same time, areas are planned so that traffic flows easily throughout the kitchen and into the other rooms of the house.

If you have a similar special area in your kitchen, consider using it for a sewing or flower-arranging center, a small workshop, or a spot to pursue your favorite hobby.





Aluminum potmarks—and how to remove them better: You've seen them stare up at you from your kitchen sink—full of fight and resistance. They team up with stubborn food stains to wear down your cleanser, your sponge, your spirit. Then along comes **Comet**—the stain-removing cleanser. You sprinkle, rub, and Wow! Food stains fade away. Potmarks turn pale—then disappear. Your sink is white again—and disinfected, too. **Comet** with Chlorinol gets out stains better than any other leading cleanser. Why use anything less?

CORN
PAN O'GOLD

Hearty recipe–rich and satisfying with DEL MONTE Cream Style Corn

Here's a treasure of a cream style corn for you! Velvety-rich corn cream, crowded with butter-tender kernels, full of sweet country flavor – it's unmistakably DEL MONTE. Try this family-pleaser:

❋ In 2 Tbsp. butter, saute 2 Tbsp. minced onion and 2½ oz. shredded dried beef, till beef begins to curl. Stir in 1 Tbsp. flour. Add ¾ cup milk; cook, stirring, till thickened. Add 1 can (17 oz.) DEL MONTE Cream Style Corn. (Notice that natural fragrance and nice golden color? All yours with DEL MONTE, all the time!)

❋ Heat until hot. Add ½ cup shredded cheddar cheese and 2 Tbsp. minced green pepper or stuffed olives; stir over low heat just until cheese melts. Serve at once on toast or toast cups. Serves 4-5.

❋ Toast Cups: Press 8-10 *thin* sandwich bread slices (crusts cut off), buttered on both sides, into muffin tins. Bake in mod. hot oven (375°F.) about 12 min.

❋ Count on DEL MONTE® Brand Cream Style Corn to be this good every way you serve it, plain or otherwise. It's America's favorite – and you just can't beat it for your money's worth every time.

• CHICKEN MARENGO, OVEN STYLE

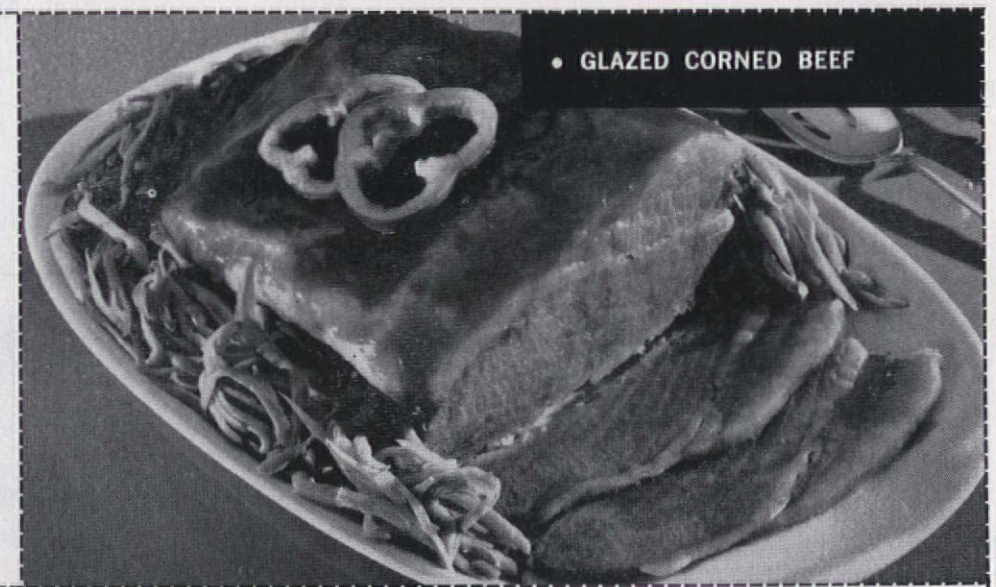
Preparation time: 25 min.
Baking time: 50–60 min.

2 broiler fryers (2½ to 3 lbs. each), cut up
1 c. flour
Chicken giblets
2 c. water
3 tbs. butter or margarine
20 small white onions, peeled
½ lb. mushrooms, sliced
¼ c. pure vegetable oil
2 tbs. flour
1 tsp. salt
⅛ tsp. pepper
1 tsp. rosemary, crumbled
½ tsp. thyme, crumbled
2 tomatoes, skinned, seeded, diced

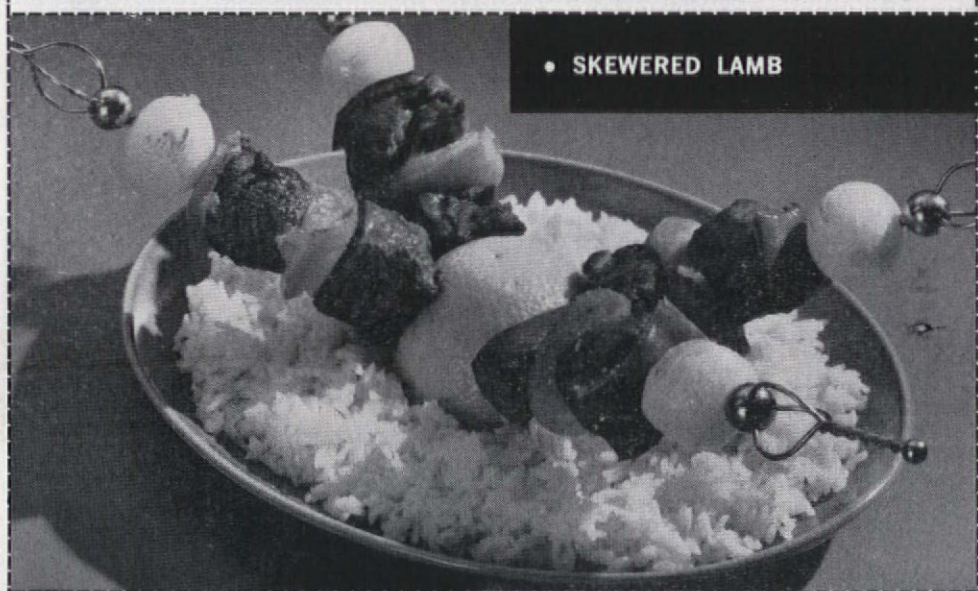
■ Shake chicken pieces with flour in paper bag a few at a time until well coated. Cook giblets in water until tender; drain; reserve broth; chop giblets very fine. Melt butter or margarine in large skillet; sauté onions 5 minutes, or until well-browned and almost tender; remove; reserve. Sauté mushrooms 5 minutes; remove; reserve. Add ¼ cup pure vegetable oil to skillet; sauté chicken until golden on all sides. (If skillet is small, chicken may be sautéed in several batches.) Pour off all but 2 tablespoons of fat in skillet; stir in 2 tablespoons flour, salt, pepper, rosemary, and thyme. Add 1 cup giblet broth; stir over medium heat until thickened; stir in giblets. Arrange chicken and vegetables in 2½-quart casserole; pour gravy over chicken; cover. Bake in moderate oven (350°F.) 50 to 60 minutes, or until chicken is tender.

Makes 8 servings *601 cal. per serving* *Source of Vitamins A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS



• GLAZED CORNED BEEF



• SKEWERED LAMB

• GLAZED ROAST PORK WITH CORN BREAD STUFFING

Preparation time: 20 min.
Roasting time: 35–40 min. per lb.

5–7 lb. loin of pork
1 medium size onion, chopped (½ c.)
½ c. butter or margarine
½ tsp. fennel
½ tsp. salt
3 tbs. chopped celery leaves
2 c. crumbled corn bread
1 can (7 oz.) whole cranberry sauce

■ Have butcher crack bone of pork loin. Make a deep slit in center back of each chop. Sauté onion in butter or margarine until soft; mix in fennel, salt, and celery leaves. Combine with corn bread in bowl. Stuff mixture into slits in pork (any leftover may be baked in covered dish during last 30 minutes of roasting). Place pork in roasting pan. Roast in slow oven (325°F.) allowing 35 to 40 minutes per pound, or until meat thermometer registers 185°F. Break up cranberry sauce in bowl with fork. Thirty minutes before roast is done spoon cranberry sauce over top; baste with remaining sauce 2 or 3 times to glaze. Remove meat to platter; serve with mashed sweet potatoes, if desired.

Makes 8 servings *942 cal. per serving* *Source of Vitamins B, C*

TESTED IN THE AMERICAN HOME KITCHENS

• POT ROAST MILANESE

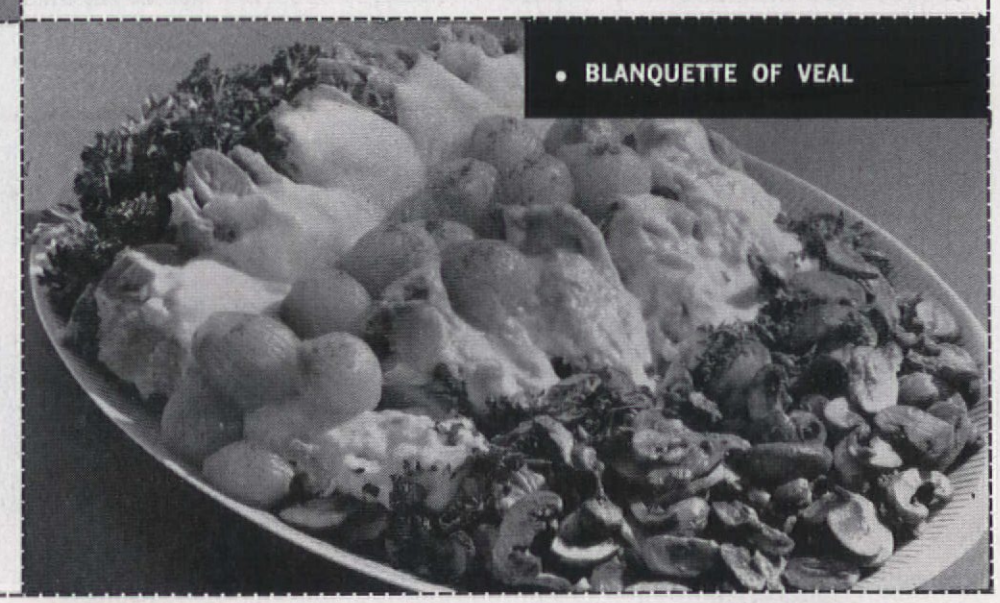
Preparation time: 20 min.
Cooking time: 3–3½ hr.

¼ c. pure vegetable oil
5 lbs. chuck, rump or round of beef
2 stalks celery, finely chopped
1 c. finely chopped carrot
2 large onions, chopped (2 c.)
1 clove of garlic, halved
2 bay leaves
½ tsp. basil
2 tsp. oregano
1 tsp. salt
⅛ tsp. pepper
1 can (1 pt. 2 oz.) tomato juice
2 c. water
8 carrots, pared
8 potatoes, pared and halved
2 c. 2-in. celery pieces

■ Heat oil in large heavy kettle or Dutch oven; brown meat on all sides. Add chopped celery, carrot, and onion; sauté in kettle until golden. Thread garlic on wooden pick; add to kettle with bay leaves, basil, oregano, salt, pepper, tomato juice, and water. Cover; bring to boiling; lower heat; simmer 2½ to 3 hours, or until meat is almost tender. Add carrots, potatoes, and celery. Cook 30 minutes longer or until meat and vegetables are tender. Remove meat and vegetables; keep warm. Remove garlic and bay leaves; skim any fat from gravy. For thicker gravy: measure gravy; for each cup, blend 1 tablespoon flour to a smooth paste with water. Stir into gravy; cook, stirring constantly until thickened.

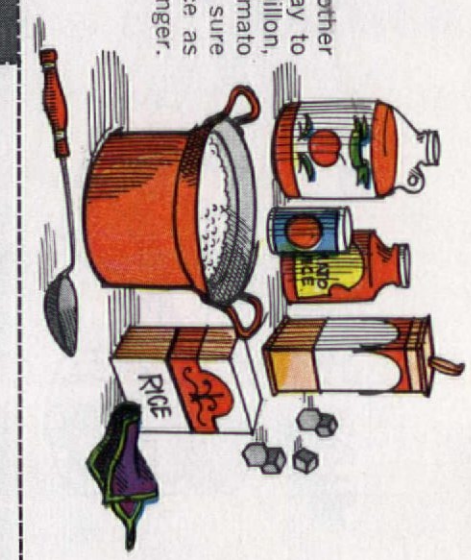
Makes 8 servings *848 cal. per serving* *Source of Vitamins A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS



• BLANQUETTE OF VEAL

Try cooking rice in liquids other than water. It is a good way to add flavor and variety. Bouillon, milk, or apple, orange, or tomato juice may be used. Just be sure to check tenderness of rice as the cooking time may be longer.



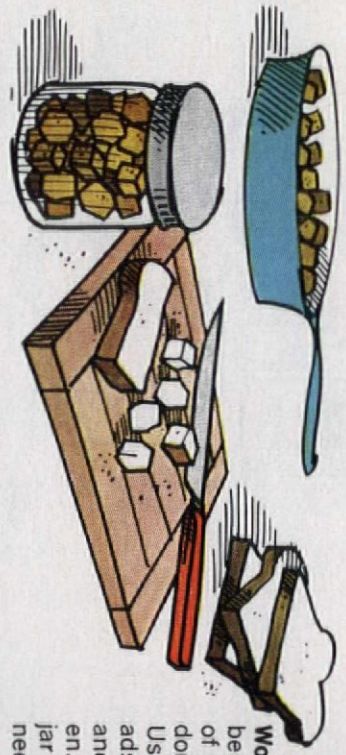
AMERICAN HOME RECIPES

Herbs and Spices: The Secret Key to Flavor

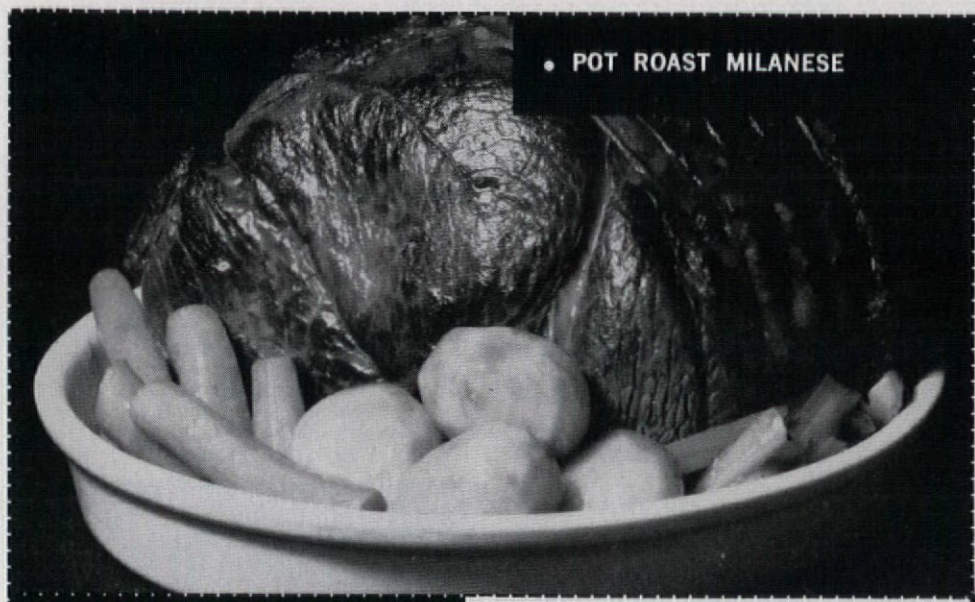
(pictured in color on pages 42 and 43)

Herbs and Spices: The Secret Key to Flavor

(pictured in color on pages 42 and 43)



Wonderful croutons can be made from the ends of a loaf of bread so don't throw them away. Use in soups and salads. Cube the bread and pan fry until golden. Keep in a covered jar until the time you need a tasty garnish.



• POT ROAST MILANESE

• BLANQUETTE OF VEAL

Preparation time: 30 min.
Cooking time: 2–2½ hrs.

4 lbs. breast of veal, cut in serving pieces
½ tsp. salt
2 sprigs parsley
1 stalk celery, cut up
½ bay leaf
¼ tsp. thyme
2 cloves garlic
8 peppercorns
2 carrots, pared and sliced
2 lbs. mushrooms, sliced
2 tbs. butter or margarine
1 tsp. lemon juice
4 tbs. butter or margarine
4 tbs. flour
½ tsp. salt
2 egg yolks
1 c. light cream
24 small white onions, peeled and cooked
2 tbs. chopped parsley

■ Place veal in large kettle or Dutch oven; cover with cold water. Add salt and "bouquet garni" of parsley, celery, bay leaf, thyme, garlic, peppercorns, and carrots tied in cheesecloth. Simmer 1½ to 2 hours, or until tender; remove and discard bouquet garni; remove veal; keep warm. Measure and reserve 2 cups of stock. Cook mushrooms in 2 tbs. butter or margarine and 1 tsp. lemon juice until tender. Melt 4 tbs. butter or margarine in kettle; blend in flour and salt; stir in stock. Cook over medium heat, stirring constantly, until thickened. Beat egg yolks and cream; add to sauce; heat just until it bubbles. Arrange veal, onions, and mushrooms on platter; pour hot sauce over. Sprinkle with parsley.

Makes 6 servings *818 cal. per serving* *Source of vitamin A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS

• SKEWERED LAMB

Preparation time: 15 min.
Marinating time: several hours or overnight
Broiling time: 12 to 15 min.

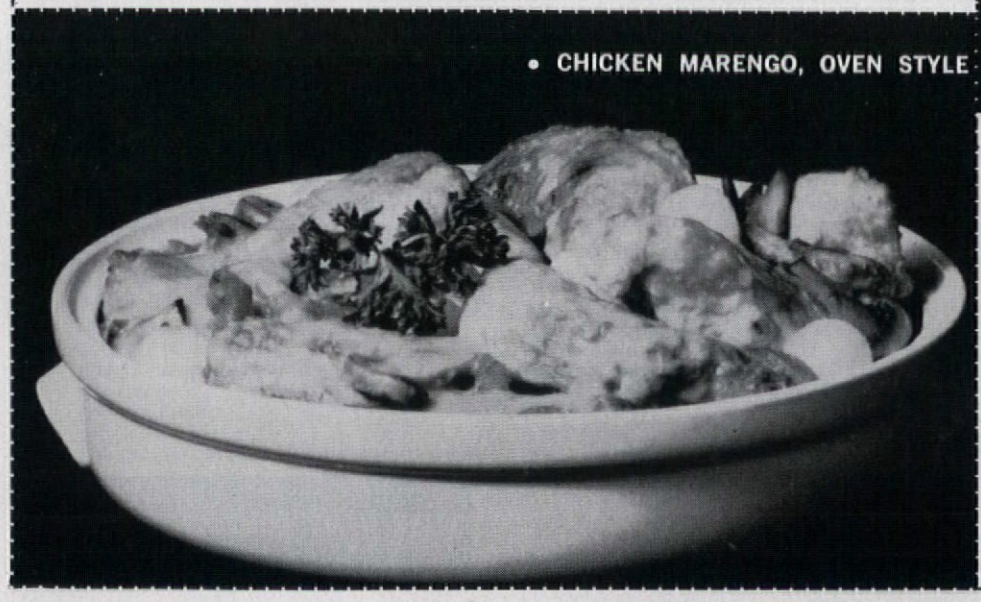
2 lbs. lamb shoulder or leg
1 c. red wine
¼ c. tarragon vinegar
⅔ c. pure vegetable oil
1 tsp. salt
1 medium sized onion, sliced
1 tsp. majorram, crumbled
1 tsp. basil
4 small white onions, peeled and parboiled
1 green pepper, cut up
1 tomato, quartered

■ Cut lamb into pieces about 1½ inches square. Combine wine, vinegar, oil, salt, onion, marjoram, and basil. Pour marinade over lamb; cover; refrigerate several hours or overnight. On each of four skewers, thread 2 pieces of lamb, one onion, one piece of pepper, and one section of tomato. Brush vegetables with marinade. Preheat broiler; broil 12 to 15 minutes, turning to brown all sides. Baste with remaining marinade during broiling when turning. Serve with hot fluffy rice, if desired.

Makes 4 servings *851 cal. per serving* *Source of Vitamins A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS

• GLAZED ROAST PORK WITH CORN BREAD STUFFING



• CHICKEN MARENGO, OVEN STYLE

• GLAZED CORNED BEEF

Preparation time: 15 min.
Cooking time: 4½–5 hrs.

5 to 7 lb. corned beef brisket
6 peppercorns
1 onion, sliced
4 whole cloves
1 stalk celery, cut up
⅓ c. brown sugar, firmly packed
1 tbs. prepared mustard
1 tsp. bottled horseradish sauce
⅓ c. catsup
3 tbs. vinegar
2 tbs. butter or margarine

■ Cover corned beef with water in large pot or Dutch oven. Add peppercorns, onion, cloves, and celery. Simmer 4½ to 5 hours or until almost tender; remove from water; place in baking pan. Combine sugar, mustard, horseradish, catsup, vinegar, and butter or margarine in saucepan. Stir over medium heat until blended and bubbly. Spoon some sauce over meat. Bake in a moderate oven (350° F.) 30 minutes or until meat is tender; baste several times with remaining sauce.

Makes 8 servings *572 cal. per serving* *Source of Vitamins A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS

The new way to cook is with Karo!

Zippy Fireside Beans

Delicious one-dish meal with Ginger

2–1 lb. cans pork 'n beans
½ cup Karo Blue Label Syrup
1 tablespoon grated onion
1 teaspoon ground ginger
½ lb. Canadian bacon, sliced

• • •

Mix beans, Karo Syrup, onion and ginger in 2-qt. oven-proof casserole. Arrange slices of Canadian bacon on top. Bake in 400°F. (hot) oven about 1 hour, basting bacon 3 or 4 times to glaze. Serve hot, with brown bread.

Karo® Syrup adds a wholesome kind of sweetness that's easy to digest!

Karo Syrup adds very special flavor and texture—and dextrose—a sugar that needs no digestion. Your body uses dextrose directly, in its original form, for quick energy.

Always use easy-to-digest Karo Syrup. All-purpose Blue Label Karo or crystal-clear Red Label Karo are perfect for cooking and baking, and delicious as pour-on syrups. These syrups are so wholesome they're prescribed for babies' formulas, too. Green Label Karo is the maple-y flavored syrup with rich, fuller body for pancakes and waffles.

You may have this 2 quart Prizer-Ware® casserole for only $5. Send 2 Karo labels from any size bottles with check or money order, (*do not* send cash or stamps) to: KARO CASSEROLE OFFER, P. O. Box 268, Madison Square Station, New York 10, N. Y. Offer limited to Continental U.S. Void where prohibited or restricted by law. Customer must pay any sales tax. Offer expires May 31, 1963.

Now from Betty Crocker

NEW

LEMON VELVET FROSTING MIX!

It's the frosting lemon lovers have waited for! Fresh from the Kitchens of Betty Crocker it comes, tingling with the tang of sun-drenched lemons. Heap its rich, thick glory on Betty Crocker's moist and tender Lemon Velvet Cake. Then call your lemon lovin' family and behold their double delight.

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Eat well

...but wisely!

The corn oil in Mazola® Margarine has

LESS SATURATED FAT

than the hydrogenated oil most other margarines use

Sold on the West Coast in familiar cube form.

Good Housekeeping GUARANTEES REPLACEMENT OR REFUND TO CONSUMER IF PRODUCT OR PERFORMANCE DEFECTIVE

The oil most other margarines use is hydrogenated. That's a process that increases *their* saturated fat . . . and destroys important benefits.

But pure liquid Mazola Corn Oil, the major ingredient in Mazola Margarine, is *never* hydrogenated. That's why it contains less saturated fat—gives you more *pure* corn oil nutrition . . . gives you *full benefit* of its polyunsaturated corn oil. And, that's why Mazola is recognized as a special margarine by the three standards established by a renowned medical association.

Mazola Margarine contains added Vitamins A and D to help build year 'round fitness, too.

Try light, delicious Mazola Margarine—made from golden kernels of sun-ripened corn. You'll get the *full* benefit of pure liquid Mazola Corn Oil in Mazola Margarine.

Cut down on saturated fats with Mazola® Corn Oil

Any time you fry or make a salad with Mazola Corn Oil instead of the more saturated oils, you cut down on saturated fat in your family's meals. Of all leading brands only Mazola is corn oil.

• APRICOT BAVARIAN CREAM

Preparation time: 40 min.
Chilling time: 3–4 hrs.

1 pkg. (11 oz.) dried apricots
2½ c. water
2 envelopes unflavored gelatin
½ c. sugar
⅛ tsp. salt
2½ c. milk
4 egg yolks
1 c. heavy cream, whipped
1 c. water
½ c. sugar

• Chop apricots coarsely; simmer in 2½ cups water 20 to 25 minutes, or until quite soft. Press through sieve or food mill; there should be 2 cups of purée. Combine gelatin, sugar, and salt in saucepan; slowly add milk and egg yolks. Cook over medium heat, stirring constantly, until mixture just comes to a boil; do not boil. Remove from heat; stir in 1½ cups apricot purée; chill mixture until it begins to thicken. Fold in whipped cream; pour into 6-cup mold; chill until set. For sauce, combine remaining ½ cup of purée with 1 cup water and ½ cup sugar. Cook over medium heat, stirring constantly, 5 minutes; cool, chill. Unmold dessert onto serving plate; spoon some sauce on top; serve with remaining sauce.

Makes 6 to 8 servings *380 cal. per serving* *Source of Vitamins A, B, C*

TESTED IN THE AMERICAN HOME KITCHENS

• LORD BALTIMORE CAKE

• ICE CREAM MERINGUE

• CARAMEL CUSTARD

Preparation time: 15 min.
Baking time: 1 hr. 20 min.

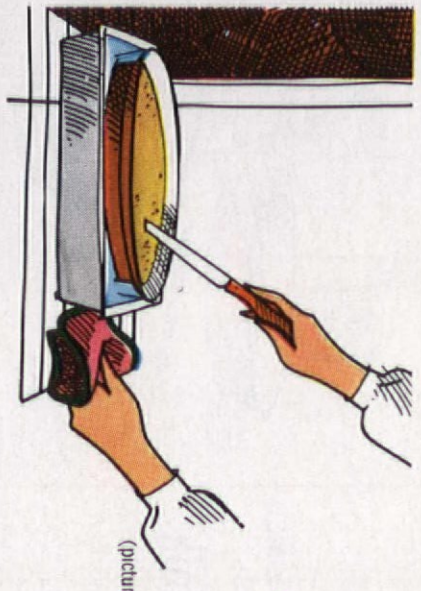
⅓ c. sugar
¼ c. water
4 eggs
⅓ c. sugar
⅛ tsp. salt
1 c. heavy cream
1½ c. milk

• Melt ⅓ cup sugar in large skillet over medium heat until golden; add water slowly and carefully, stirring constantly, take care steam does not burn hand. Heat slowly until caramel is entirely dissolved in water. Pour caramel into 1-quart ring mold; rotate to coat all surfaces as caramel thickens and cools. Set oven at slow (300° F.). Beat eggs, ⅓ cup sugar, and salt until frothy; add cream and milk; stir to blend. Pour into prepared mold; set mold in larger pan. Pour hot water into larger pan until it is ¾-inch from top of mold. Bake 1 hour, 20 minutes, or until knife inserted 1 inch from edge of custard comes out clean. Cool, chill; loosen edges; unmold; caramel will form sauce. Fill center with peaches or other fruits, if desired.

Makes 6 servings *313 cal. per serving* *Source of Vitamins A, B, C*

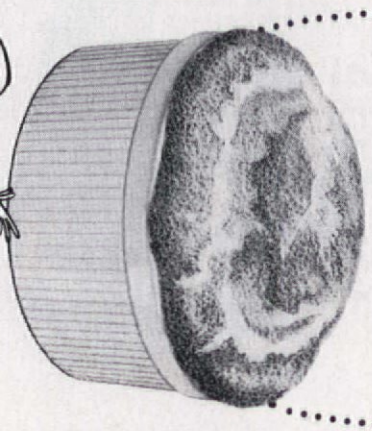
TESTED IN THE AMERICAN HOME KITCHENS

To determine whether a baked custard is done, insert a knife halfway between the center and the edge, making a cut only about ½-inch deep. If the knife comes out clean, the custard is done. Overcooking will cause custard to curdle.



AMERICAN HOME RECIPES
Sweet Talk
(pictured in color on pages 44 and 45)

Now! A SOUFFLÉ you can RE-PUFF at serving time!



ARGO® CORN STARCH makes soufflés that can be re-puffed!

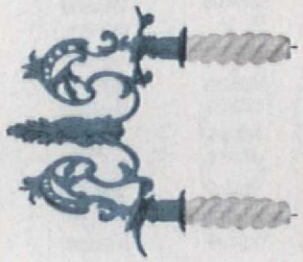
CHEESE, SEA FOOD OR VEGETABLE SOUFFLÉ

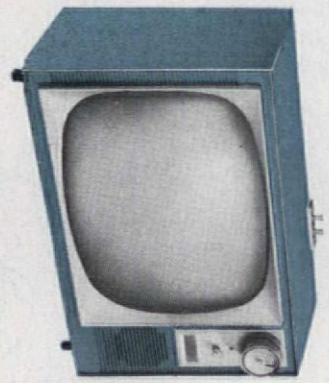
Melt 3 tablespoons Mazola® Margarine in saucepan, blend in 2 tbsp. Argo Corn Starch, ½ tsp. salt and ¼ tsp. pepper. Remove from heat, slowly stir in 1 cup milk. Cook and stir over medium heat until thickened. Stir in 1 cup grated cheese; or 1 cup chopped shrimp or flaked sea food; or chopped vegetables. Stir in 4 well beaten egg yolks; fold in 4 stiffly beaten egg whites. Bake in greased, heat-proof casserole set in pan of hot water in 350° F. oven, 1¼ hours. Makes 4 servings. (2 qt. casserole).

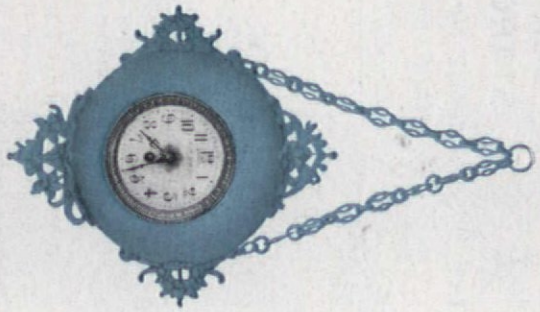
TO RE-PUFF . . . leave soufflé in casserole. Set in pan of hot water. Re-heat in 350° F. oven until re-puffed, about 20-30 minutes.

Argo Corn Starch is smoother than flour . . . ideal for making gourmet sauces and gravies!

for things you'd like to paint but didn't dare 'til SPRAY PLA







Spray cans 25 colors 69¢ ea.

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Touch-up and trim bottles 54 colors 15¢ ea.

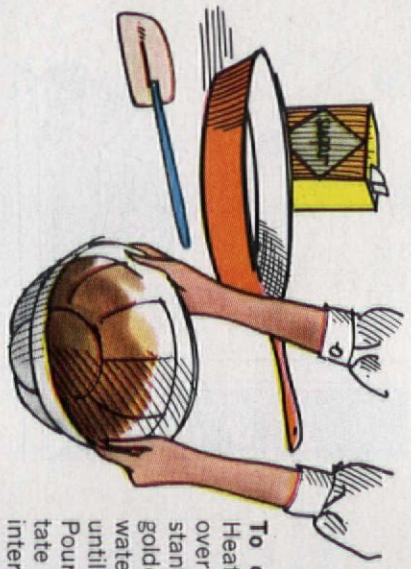
At hobby stores and hobby depts.

THE TESTOR CORPORATION
Rockford, Illinois

AMERICAN HOME RECIPES

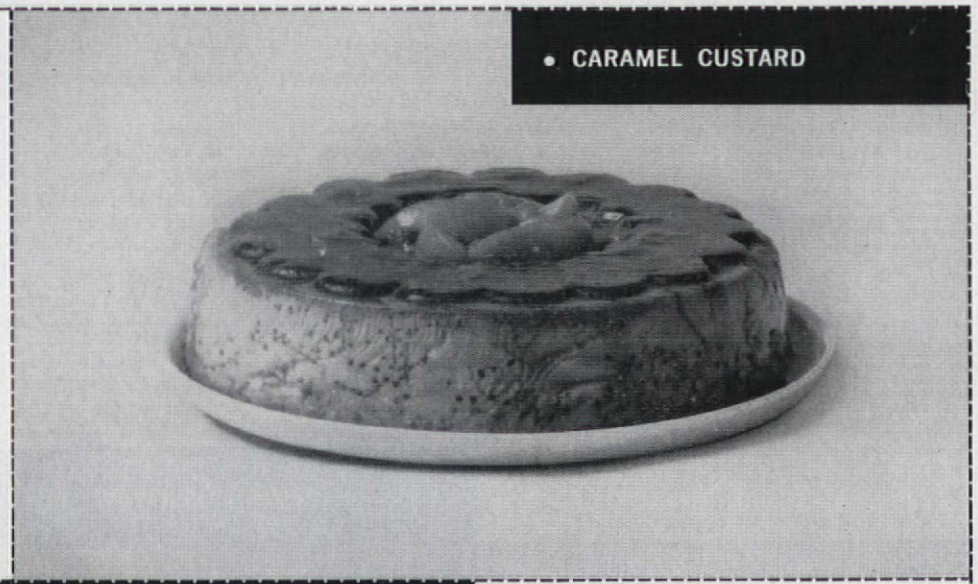
Sweet Talk

(pictured in color on pages 44 and 45)



To caramelize a mold: Heat sugar in heavy skillet over low heat; stir constantly until melted to a golden brown syrup. Add water; continue to stir until caramel dissolves. Pour into mold, then rotate the mold until the interior becomes coated.

• CARAMEL CUSTARD



• ICE CREAM MERINGUE

Preparation time: 40 min.
Baking time: 40–50 min.

6 egg whites (¾ c.)
¼ tsp. cream of tartar
1 c. sugar
1 qt. pistachio ice cream
½ c. raspberry preserves

● Set oven at very slow (250° F.). Make paper pattern for design by dividing a 10-inch circle into 6 parts; scallop edge of each section for petals. Trace pattern onto 4 sheets of paper; place paper on baking sheets. Beat egg whites and cream of tartar until frothy. Slowly beat in sugar a small amount at a time. Continue to beat until quite stiff and glossy. Shape meringue through pastry bag with star tube or with bowl of spoon into ring about 1½ inches high and 1½ inches wide inside petal outline on 3 of the papers. On fourth paper shape thin layer of meringue into center of pattern; build up sides as on other three papers. Bake 40 to 50 minutes, or until golden. Place baked meringues with brown paper on damp cloth; meringues will peel off. Assemble meringue basket, matching design; rings will adhere to each other; cool. Form ice cream into balls; fill basket. Spoon raspberry preserves over cream; serve at once.

Makes 6 servings *406 cal. per serv.* *Source of Vitamins A, B*

TESTED IN THE AMERICAN HOME KITCHENS

• APRICOT BAVARIAN CREAM

• LORD BALTIMORE CAKE

Preparation time: 30 min.
Baking time: 35–40 min.

2½ c. sifted cake flour
1⅔ c. sugar
3½ tsp. baking powder
1 tsp. salt
⅔ c. vegetable shortening
1 c. milk
1 tsp. almond extract
5 egg yolks
¼ c. milk

● Grease and flour three 8-inch layer-cake pans. Set oven at moderate (350° F.). Sift flour, sugar, baking powder, and salt into mixing bowl. Add shortening and 1 cup milk; beat 2 minutes at medium speed on electric mixer, or 300 strokes by hand; scrape bowl often. Add almond extract, egg yolks, and ¼ cup milk; beat 2 minutes. Pour into prepared pans. Bake 35 to 40 minutes, or until cake tester inserted in center comes out clean. Cool in pans 10 minutes; remove from pans. Cool thoroughly; fill and frost with Lord Baltimore Filling and Frosting: Toast ¼ c. chopped shredded coconut and ¼ c. chopped pecans in moderate oven (350° F.) until coconut is golden; reserve. Combine 2¼ c. sugar, ¾ c. water, ⅓ c. maraschino cherry juice, and 1 tsp. light corn syrup in saucepan; bring to boiling over medium heat; cover; boil 1 minute; uncover. Continue to boil until candy thermometer registers 242° F. or syrup spins a thread. Beat 3 egg whites until stiff. Pour hot syrup slowly in thin stream over egg whites, beat constantly until frosting is stiff and will hold shape. Beat in ¼ tsp. almond extract, 1 tsp. grated lemon rind, and 1 tsp. grated orange rind. Combine coconut, pecans, and ¼ c. chopped maraschino cherries and ⅓ of frosting; spread between layers; frost cake with remaining frosting. Decorate with candied violets, if desired.

BLENDED LIKE A FINE COGNAC

Wish-Bone Deluxe French Dressing is made with tender garlic buds and young onions...pure golden oil...a delicate vintage vinegar. And all are perfectly blended to make a velvety smooth dressing by Wish-Bone—the people who make nothing but fine salad dressings. Make your next salad a triumph—with Wish-Bone Deluxe French Dressing.

Bring on beautiful breads with

the fine Italian touch!

Subito . . . instantly!—you have the fine Italian touch with Kraft Grated Parmesan. In the true Italian fashion, it's aged for more than a year—to make so many of your dishes taste new and delicioso. In just a few shakes, vegetables are gayer; soups, heartier; salad greens, more exciting. And, of course, spaghetti shouldn't be without

KRAFT GRATED 100% PARMESAN.

Brush slices of French bread with melted Parkay Margarine; sprinkle with parsley flakes, plenty of Kraft Grated Parmesan and paprika. Heat in oven or on grill. Serve hot.

COOKING WITH HERBS AND SPICES

Mention that you cook with herbs and spices and a great many people will regard you with awe, for they consider it a most mysterious subject—something known only to great chefs. But nearly everyone has been sprinkling food with pepper for years and *it* holds no terror for them. The secrets of using spices and herbs are few and once learned will open new worlds of flavorful eating.

Perhaps part of the mystery lies in knowing exactly what spices and herbs are. Spices are parts of plants—the buds, leaves, seeds, bark, roots, and berries—which grow in tropical or semitropical countries. Some spices are used whole, others are powdered.

Herbs are always leaves of temperate zone plants. Herbs add magic to dishes, either fresh from the garden or in dried form. It is well to remember that dried herbs are about four times as strong as fresh ones, so use them with a light hand. Your object in using them is to make people wonder what the special flavor is, not to overwhelm them.

On the market spice shelf you will also find vegetable seasonings which are usually dehydrated, ground vegetables such as onion or garlic, and blends. These last refer to a careful mixture of spices, seeds, herbs, and vegetable seasonings prepared according to a time-honored formula.

Now that we know what they are, let's use these seasonings that are the flavor secret and source of great cookery. These are things to remember:

First overcome the urge to overspice. Better to underspice, for you can always add but never subtract. Use them discreetly, for delicacy and restraint will result in fine cookery. Do, however, feel free to experiment. Have fun with herbs and spices either in changing a recipe you know or in creating a new one—give your imagination free rein.

Notice all the spices on the market shelf. If you are a beginner you might buy a different spice each week until you have a spice shelf of your own. It is sometimes recommended that you become familiar with one spice at a time—learn its flavor and aroma—try it in recipes.

Most important, use the spices you buy. Most of us must depend on dried herbs, but if they are left abandoned on a shelf they lose their flavor and potency. Check them frequently. If they appear to have lost their pungency, discard them and buy new. The perfume must be there if you are to add flavor to everyday dishes and enjoyment to foods your family thought they didn't like.

Here is a small guide to using herbs and spices. For each 4 servings, figure on ¼ teaspoon of dried herbs. The "pinch" often called for in recipes will usually equal this measure. To release the flavor quickly, put the measured amount of herb in the palm of your hand and crush it with your fingertips before adding it to the recipe. Unless the recipe specifies otherwise, add herbs to cooked foods during the last hour of cooking. With those that are uncooked, such as salad dressings, add them early. The longer they have to flavor the food before it is served, the better. Be selective in choosing herbs you add to a recipe. Don't try to combine too many unless, of course, it is a tested recipe you are using. As for menus, the best rule to follow is the one that states that you should have only one herb course to a meal. More could be disastrous.

Do start using herbs and spices now—it has been said that there is no mystery to spices, nor do they have any secrets, for the one who uses them.

Anise. The aromatic seed of a small fruit with a sweet licorice aroma and flavor. Use it in coffeecake, sweet breads and rolls, cookies, fruits, and fruit pies. It is available whole and ground.

Basil. This is a mild pungent herb sold in leaf form, sometimes crushed. A natural "go-with" for tomatoes. Also popular in soups, stews, salads, sauces, egg dishes.

Bay Leaves. These dried whole leaves have a very mild, sweet, and distinctive flavor. One leaf will do wonders for a casserole. Use them in marinades, gravies, soups, and chowders, with boiled vegetables in pot roasts, and in pickling.

Chervil. It is one of the most delicately flavored of all herbs and is similar to parsley. Wonderful in salads, sprinkled over broiled chicken or fish with eggs and cheese dishes.

Chives. Most often grown at home chives have a delicate but pungent onion flavor. Use them, chopped, in salads, scrambled eggs, or sprinkled on soups, meats, or cottage cheese.

Cinnamon. Made from the bark of a tree, cinnamon comes in stick or powdered form. Delicious with baked goods, fruits

(continued)

Add the topping before you bake these cakes!

[work's done... serve them warm from the oven]

READY TO GO! Mix and topping are right in the box.

QUICK TO MAKE!
Hand blend in 30 seconds. Add topping before you bake.

TASTES GREAT!
Serve warm from the oven.

Apple 'n Spice . . .
Juicy apple slices and cinnamon-sugar topping.

Butterscotch Crunch . . .
Chewy Butterscotch and crunchy almonds in every bite.

Cinnamon Raisin . . .
Swirls of spicy sugar-crumb topping on raisin-filled cake.

You wouldn't dream cakes could be so easy and so good. Batter you blend by hand in just 30 seconds . . . no mixer needed. Crispy-rich toppings that smell so tantalizingly good you'll serve these scrumptious cakes warm from the oven. So quick to make, you'll serve them any time of day. Try all three of these Dutch Topping cakes . . . all exclusive with Duncan Hines.

Duncan Hines®

Dutch-Topping cake mixes

(continued) (particularly apples), chocolate drinks and sauces, with sweet potatoes and squash.

Cloves. Whole cloves are classic with baked ham, are also excellent with other meats, with fruits, desserts, and in pickling.

Dill. The lacy, green leaves of fresh dill are excellent chopped and used to season fish and fish sauces, salads, eggs, and vegetable dishes. Try dill seeds on potato salad, macaroni, or sauerkraut.

Fennel. An aromatic seed with a sweet licoricelike flavor. Use it in baked goods, with pork, fish, and apples, and in sweet pickles.

Ginger. The pungent, aromatic root of an oriental plant sold whole or, more commonly, ground for a flavorful addition to cookies, cakes, pies, puddings, preserves, vegetables, and many meat, fish, and poultry dishes.

Marjoram. Use the leaves, fresh or dried, with beef, lamb, pork, veal, and fowl; in stuffings and meat loaves; with baked or broiled fish; in soups, salads, and sandwich spreads.

Mint. One of the more common garden growers, it is also sold in dried, flaked form. A natural with lamb and veal. Good, too, in desserts, frostings, fruit cups, salads, beverages, sauces, and with vegetables.

Nutmeg. The kernel of a fruit sold in whole or ground form. It is used in cakes, pies, cookies, puddings, and is delightful sprinkled onto vegetables or into a white sauce.

Oregano. A pungent leaf used extensively in tomato sauces. Good, too, in stews, soups, sauces, with broiled meat, stuffings, and poultry.

Rosemary. Fresh or dried, the leaves of this plant glorify roast meats and poultry, stews, soups, vegetables, and sauces.

Sage. Because sage has a distinctive and positive flavor, use it sparingly, fresh or dried, to season stuffings, stews, pork, soups, and beans. Count on it to give flavor to salads, marinades, omelets, fish and shellfish, soups, and poultry.

Thyme. A popular and most versatile cooking herb, grown in home gardens, sold in leaf and ground form. Sprinkle lightly over tomatoes, salads; use it in stuffings, croquettes, fricassees, soups and chowders, gravies, and with all poultry.

Grow Flavorful Herbs

(continued from page 41)

10″ apart. Pinch out the tips to encourage branching and cut some branches occasionally for drying or freezing. Basil leaves are rich in oils of warm, clove-like aroma. The All-America variety, 'Dark Opal,' has deep purple leaves and colors white vinegar a brilliant ruby.

Chives (Allium schoenoprasum) are perennial bulbs, close relatives of the onion, grown for their grassy, mildly onion-flavored foliage. Buy them in boxes of baskets at the vegetable market in early spring. They grow 6 to 8″ high and can be kept in a sunny window or planted in the garden as soon as the weather turns warm. They have attractive purple flowers in May, but remove them before they set seed. If you keep them in the window they'll need regular fertilizing and an annual rest period of two or three months.

Dill and Fennel look quite similar and are grown the same way. Sow the seed where the plants are to remain in the garden, and pot up some plants while still small for growing inside. Outdoors they grow 3 to 4′ high, but inside they can be kept short by regularly pinching off some (continued)

THERE'S A PYREX BRAND CASSEROLE COLOR-KEYED JUST FOR YOU!

You've always known PYREX ware as the handiest addition to any kitchen—but today's PYREX ware is also the handsomest addition to any table! And whatever your decor, there's a PYREX Brand casserole to match it! For today's PYREX ware is wonderfully useful, radiantly beautiful, and comes in a wonderful variety of colors and designs.

Serve proudly in PYREX ware. Nothing cooks as well—it's quick-heating, even-heating, nonporous. Goes straight from freezer to oven. And, since it won't keep old odors and flavors, everything tastes its freshest best!

See all the striking PYREX ware colors and designs at your store—they mix or match, they enhance your table, your decor! Corning Glass Works, Corning, N. Y.

Shown here are the Cinderella Bake, Serve and Store Set in turquoise, 3 pieces $3.95—also available in sandalwood and pink; oval decorator casserole in Early American, 1½ qt. $2.95, 2½ qt. $3.95, also available in pink, turquoise, gold on ivory; Cinderella oval divided serving dish with cover, in pink, 1½ qt. $2.95, also available in turquoise, Early American, gold on ivory, with a variety of decorative patterns. PYREX ware available in Canada at higher cost.

Guarantee: Any PYREX Brand product which breaks from heat within two years of date of purchase, when used according to instructions, may be replaced by any PYREX ware dealer in exchange for the broken pieces

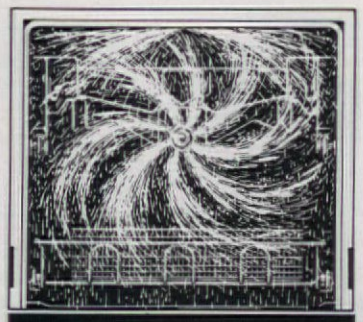
BEST LOOKING BEST COOKING CORNING PYREX WARE

NEXT TIME IT'S AN OMELET... "JELLY" IT WITH CRANBERRIES

So easy! Just "whip" Ocean Spray jellied sauce and fold into an omelet. Use this tangy-sweet topping, too, with rolled pancakes or blintzes. Or try Ocean Spray whole berry sauce right from the can. **HEIGHTEN THE FLAVOR, BRIGHTEN THE PLATE WITH OCEAN SPRAY.**

Are her dishes as clean as her food?

A Frigidaire Dishmobile – with Swirling Water Action – gets dishes more sanitary than handwashing



Exclusive Swirling Water Washing Action. No dish can hide.

Her health and happiness are reason enough to own a Frigidaire Dishmobile. Her dishes and spoon were washed at germ-killing temperatures 120 times longer than during handwashing. They were high-temperature rinsed and dried, untouched by dishrags, towels or hands.

Dishmobile capacity is big enough for all day's dishes for an average family of five. So, happily, you'll probably do dishes just once a day, with less than 5 minutes preparation.

Dishmobile loads easily from the front, glides where you want it, can be built-in later. In your choice of four colors, it will be one of the happiest, most satisfying buys of your life. Frigidaire Under-counter Dishwashers offer same satisfaction. Frigidaire Division, General Motors Corporation, Dayton 1, Ohio.

FRIGIDAIRE DISHMOBILE

IT ROLLS!

(continued)

of the foliage for use as garnishings or in salads.

Dill (Anethum graveolens) has feathery leaves of a cool, piquant flavor and pleasant fragrance. They can be used for all kinds of garnishings. The seed harvested from garden-grown plants can also be used for flavoring. Fennel (Foeniculum vulgare) has a strong anise or licorice fragrance and flavor. The leaves are used for garnishings and in salads; both seeds and leaves are used in cooking. The bulbous-stemmed form, called Florence fennel, anise, or finocchio, is eaten like celery.

Lovage (Levisticum officinale) is a long-lived, hardy perennial whose foliage and seeds have a warm, curry-like flavor. It grows 5 or 6′ tall in the garden but can be kept to 18″ or so by frequent pinching. It can be grown in a window box, a terrace planter, or in large pots in a sunny window. It can be started from seed, though it's slow to germinate.

Marjoram (Majorana hortensis) is a tender perennial that's grown as an annual. It makes a fine pot plant, never more than 10″ high, but in the garden it may grow to 1½ or 2′. It also grows well as a trailing plant in a strawberry jar or hanging pot. The foliage is both fragrant and tasty.

Oregano (Origanum vulgare viride) is a hardy perennial that grows to about 2′ in the garden but can be kept shorter in pots in a sunny window. It has attractive white flowers in August.

Both marjoram and oregano are best obtained as plants. The seed is very fine, slow, and "fussy."

Mints are vigorous, hardy perennials and, because of their spreading habit, are sometimes a problem in the garden. To restrict them, border their designated area with metal edging, asbestos shingles, or some other deep barrier. They usually grow 1½ to 2′ high. If you grow them in pots or window boxes, you'll have to change the soil frequently to keep them in good condition. Spearmint (Mentha spicata) is used mostly for mint sauce, jelly, and juleps; peppermint (M. piperita), for tea and to flavor candy.

Parsley (Petroselinum crispum) is a biennial that's easily grown from seed in the garden and also does well in pots. The flat-leafed Italian type (P. crispum latifolium) is richer in flavor and in vitamins, but not as pretty as a pot plant or garnish.

Rosemary (Rosmarinus officinalis) is an attractive, nonhardy shrub that grows to 6′ in frost-free climates, with lovely blue flowers in February. In colder areas it's best grown outdoors in summer and in pots in a sunny window over the winter. If it gets too large, make new plants by rooting cuttings in sand, and discard the old plants after stripping off their leaves for drying in late summer. Use the thin, attractive, fragrant leaves, either fresh or dried.

Sage (Salvia officinalis) is a hardy perennial with pebbly gray leaves that are almost evergreen. If you sow seed in spring you can start picking the leaves by summer. The following May it will bloom, and after the faded flowers are cut back a resurgence of foliage will provide a continuous harvest of leaves for using fresh or for drying. They're less pungent fresh than dry. Outdoors the plants grow 2½′ high and 3′ across, but they can be kept much smaller in pots.

Savory belongs in every garden where vegetables are grown—or in any garden whose owners appreciate tastily prepared vegetables and salads. A few leaves of fresh or dried savory do wonders for both. Summer savory (Satureja hortensis) is an annual that's best grown from seed sown directly in the garden, thinned out, and cut for drying as soon as flower buds appear. Winter savory (S. montana) is a perennial, not over 15″ high, that's best obtained as a plant and set in a rock garden or other spot where it can remain for years.

Tarragon (Artemisia dracunculus) is a hardy perennial that never sets seed; so you'll have to obtain it as a plant or division. It grows about 18″ high and needs the same general care as chrysanthemums. When old plants die out at the center, lift and divide them, and replant the divisions. Some can also be potted up and brought inside in February for early spring forcing. Given good, well-drained soil, kept free of weeds and fed with a balanced fertilizer, this is one of the most satisfactory of all herbs.

Tarragon becomes woody after the fourth of July, and so stems to be used for flavoring vinegar or for drying should be cut in June.

Thyme is a small, shrubby perennial which, like winter savory, is best planted in a rock garden or other spot where it can remain undisturbed. It can be grown from seed, though it's a slow starter, and, like most herbs, needs well-drained soil and full sun. English thyme (Thymus vulgaris) is broader-leafed, less grayish, a little taller, and hardier than French thyme (T. vulgaris fragrantissimus).

Freezing and Drying. Herbs dry best if cut in the morning, tied in bunches, and hung in a dark, airy room. When only leaves are dried, spread them out separately. If the plants have become mud-spattered, wash the cut branches gently, hang them in the shade outdoors until dry, and then bring them into a dark, airy room. When thoroughly dry, place all herbs in airtight jars or other containers. Don't crumble the leaves, but place them in the containers whole and crumble if necessary when you use them.

Fresh herbs may also be frozen. Wash them carefully, drain-dry, put small quantities (only as much as you'll use at one time) in small plastic bags, seal the bags with tape, and place immediately in the freezer. To thaw, let stand in containers half an hour at room temperature. THE END

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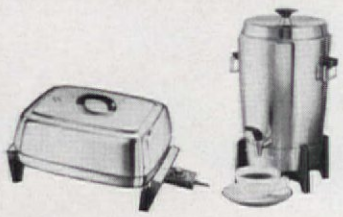
for happier homemaking



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look for West Bend at housewares, hardware, gift and appliance stores

THE WEST BEND COMPANY, Dept. 553, West Bend, Wisconsin

Herb Sampler (continued from page 40)

The Herb Sampler shown on page 40 is a lovely example of crewel (wool) embroidery, using only the simplest stitches: lazy daisy, outline, and chain, with cross-stitch lettering. Stamped on creamy 100 per cent Belgian linen, the herbs are familiar favorites in nature's colors. Border is thyme. Marjoram surrounds lettering. Bergamot crosses top. Just below is a row of lavender. Down left side: rosemary, heliotrope, ambrosia, geranium, verbena, dill, fennel. Down right side: basil, sage, tarragon, lovage, garlic, chives. Center motif is an old-fashioned Knot Garden. Kit #PSK-44, price $3.49.

The cross-stitch version, below, approximately 15x19″, is accented with outline stitch. Beautiful Peri-Lusta cotton floss is used for the embroidery. Kit #PSK-45, price $2.

Quality hand-joined and polished brown wood frame, exactly as shown in photographs, is also available, price $7.98.

DOROTHY LAMBERT BRIGHTBILL

HERB SAMPLER ORDER FORM

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Fill out coupon, enclosing personal check or money order (no stamps please). New York residents add 3% sales tax.

Please allow three weeks for handling and mailing.

THE AMERICAN HOME MAGAZINE,
Dept. PSK, Forest Hills 75, New York

Please send me the following items:

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The Green Grass Grows

SOUTHEAST

(continued from page 32)

highly susceptible to chinchbug attack. St. Augustine is more tolerant of salt spray than most grasses and so should be chosen for lawns near the seashore.

Centipede and carpet are low fertility grasses. Both are coarse textured and less desirable for a home lawn than the improved Bermudas and zoysias. Centipede is shade tolerant, but less so than St. Augustine and zoysia.

Most southern lawns are benefited by the removal of the old, dead grass in the very early spring. This spring cleanup prevents the accumulation of "thatch" and facilitates the penetration of water and fertilizer. A close mowing at ½", followed by a vigorous raking, is the simplest way to remove the old grass. If crabgrass was a problem last year, this is the time to use one of the preemergence crabgrass killers, which kill the crabgrass seedlings as they start to grow. Apply these materials immediately after the old grass is removed—and exactly as directed on the package.

All good lawns need feeding, but how much and how often depend on the kind of grass, the fertility of the soil, and how good a lawn you want. Also, to get a new lawn to produce a thick turf as fast as possible, you'll need to feed oftener than when it's established.

Bermuda grasses need the most fertilizer, and in some areas they're given a monthly application of 1 pound of actual nitrogen per 1000 square feet to maintain good color and density. This is provided by about 2 pounds of urea, or 3 pounds of ammonium nitrate, or 5 pounds of ammonium sulphate, or 20 pounds of sewage sludge fertilizer per 1000 square feet. Most gardeners, however, use standard complete lawn fertilizers and apply 20 to 25 pounds per 1000 square feet in the spring and again in the fall. The new slow-acting, long-lasting urea-formaldehyde nitrogen fertilizers can be applied in one dose in the spring at 20-25 pounds per 1000 square feet, or in two doses of 15 pounds per 1000 square feet in the spring and again in the fall.

Regular mowing is an important part of lawn care and should begin as soon as growth starts in the spring. As a general rule, the closer you mow your lawn, the more frequently you need to cut it. The improved Bermudas require more frequent mowing than other grasses and, if kept at ½", should be mowed every two to four days. At more than an inch, mowing once a week is usually sufficient. Most of the other southern lawn grasses need mowing no oftener than once a week. The important thing is to mow when the grass needs it—that is, as soon as it grows one-quarter to one-third over its mowed height. If you mow at 1½", don't let the grass get higher than 2" before cutting it.

Watering is essential to a good lawn, and should not be done haphazardly. A new lawn, whether seeded, sprigged, or plugged, needs frequent watering to get it established as quickly as possible. During a lawn's first summer, too, it should be watered regularly to maintain steady growth. Once it's established, however, a southern lawn should not be watered unless it's dry, and it should then be watered heavily enough to moisten the soil to a depth of at least 5". So don't water until the grass shows signs of wilting or "penciling" (curling) or until a trowel-test shows the soil to be powdery-dry to a depth of 4 or 5".

An inch of water applied to the surface usually penetrates 4 to 6", so you can place a few straight-sided containers, such as coffee cans, under the spray of the sprinkler and move it as soon as the cans have an inch of water in them. If you note the time the sprinkler takes to deliver an inch of water, you can thereafter time the sprinklings and not bother to measure the water.

Weeds are not usually a problem with a well-maintained lawn in the South. If broadleaf weeds do get a foothold, however, they can usually be eliminated with the newer herbicides containing 2,4-D and 2,4,5-T applied during the growing season. Use them with great care and exactly as recommended on the label. Grassy weeds, such as crabgrass and dallis grass, can be controlled with preparations containing disodium methyl arsonate, though this material should not be used on coarse-textured grasses like carpet, centipede, Bahia, and St. Augustine. Wild onion can be eliminated with several applications of 2,4-D in the fall.

Fred C. Galle is director of horticulture at Calloway Gardens at Pine Mountain (Chipley), Georgia.

The common insect pests of southern lawns are chinchbug, sod webworm, and grubs, all of which are usually controlled with DDT or chlordane. One application, watered in heavily, will control grubs, while several weekly applications will control chinchbug and sod webworm. Where chinchbug has become resistant to DDT and chlordane, diazinon is now the recommended control chemical.

Summer grasses in the South are seldom troubled by diseases. Bermuda grass, however, is susceptible to dollar spot fungus, but heavy nitrogen fertilization has proved to be an effective control. If disease becomes serious, it's advisable to use one of the turf fungicides. (continued)

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(continued) Heavy soils may become so compacted as to require use of an aerator to improve aeration and water penetration. Usually it's best to have this done by special operators with their own equipment, though owners of large lawns may find it profitable to buy their own power-driven aerating units.

Where a winter grass, such as ryegrass, is sown over the summer grass to provide a green lawn all winter, the usual procedure is to remove the summer-grass thatch in the fall before sowing the winter-grass seed. The lawn is then fed well to promote good winter growth. Zoysia does not respond well to this procedure, because it's difficult to establish winter grass on it, and so it's best to leave a zoysia lawn brown over winter or to dye it green with one of the available spray materials.

SOUTHWEST

(continued from page 32)

If you have much lawn to feed, it'll pay you to buy a fertilizer spreader or to rent one. Adjust it carefully according to the instructions on the package of fertilizer. If you spread it by hand, go carefully across in one direction, then go over it again at right angles to avoid leaving barren areas.

Southwest soils are generally alkaline, so don't add lime, except in portions of southeast Texas, bordering on Louisiana, where the soil may tend to be slightly acid.

Regular mowing should start as soon as the permanent grasses begin growing in the spring. As a rule, a lawn in the Southwest should be mowed at least once a week during the growing season. If rainfall is heavy, it may need mowing twice a week. Set your mower so that Bermuda or St. Augustine grass stands 1½" after cutting. But during July and August set the mower at 2" to protect the roots from heat. And always mow often enough so that the grass doesn't grow more than about ½" before the next cutting. If you allow the grass to grow too tall between mowings, it may be scorched by hot sun when it's cut.

***Paul Renton**, president of the Garden Writers Association of America, has a TV show on gardening, in San Antonio, Texas.*

Set the mower at 2" for winter ryegrass also. If well fed and properly watered, it will grow rapidly and produce a good winter lawn. The other grasses will crowd it out in the spring.

You can't have a thick, green lawn all summer without watering whenever it's needed. Since grass roots grow to a depth of at least 6", let the water run long enough to reach them. Then wait till the surface is dry before watering again. Simple instruments are available for measuring the water content of the soil at various depths. They are inserted to the desired soil depth and read for moisture content. Or you can simply dig a small plug of soil with a trowel and note the degree of moisture present. If it's powdery dry to the touch, water; if it feels moist, don't. You can measure the amount of water applied at each watering by placing coffee cans under the sprinkler. An inch of water applied to the surface will usually seep down 5 to 6".

To sustain a good lawn, the soil must have air. On parts of the lawn where there is heavy traffic, which greatly reduces aeration, you can loosen the soil by inserting a spading fork to the depth of the tines and pushing the handle forward and back. This will leave open holes, which will let more air into the compacted area. For larger jobs, mechanical aerators can be rented, or lawn maintenance men can be hired to do the work with their own equipment.

Broadleaf weeds should be removed as soon as they appear in a new lawn. In an established lawn they can be controlled with commercial weed-killers containing the chemical 2,4-D. Apply these carefully when there is no wind so that the spray does not drift onto plants in the flower and shrubbery beds. Remember that a well-fed, properly watered stand of grass, whether St. Augustine or Bermuda, is your best insurance against weeds.

Insects and fungus diseases can deface the finest lawn if not controlled. Some are always on the move and show up in places where they have not existed before. The chinchbug, one of the worst pests, has moved across the country from Florida to southwest Texas. It is controlled by applying dieldrin or diazinon. If it hasn't yet attacked your lawn, apply a six-inch band around the lawn, which will keep it out, since it usually crawls to its destination. If you already have chinchbug, it may be necessary to treat the whole lawn.

Termites, Japanese beetles, and root-eating grubs also cause damage, but many products can be had to rid your grass of them. Combinations of DDT, dieldrin, and chlordane are available, and an application once a year will usually control such pests. A lawn fungicide applied at the same time will usually prevent attacks by fungus diseases.

CALIFORNIA

(continued from page 32)

ryegrasses, and tall fescues. Bentgrass is naturally adapted to the cool, moist area of the northern part of the state, high mountain areas, and along the fringe of the coast south of Pismo Beach. Bluegrass and tall fescue have the same general range as bentgrass but also can be grown in the high-elevation desert areas where the nights are cool.

In the dark areas on the map the

warm-season and cool-season grasses grow in harmony as a mixture. These areas are generally protected valleys which are warm enough for subtropical grasses in summer but cool enough for temperate grasses in winter.

All lawns in every area of California are benefited by regular spring and early summer fertilizations. Make the first application in early March, using a complete fertilizer (such as 12-8-6 or 10-6-4 analysis) to provide the necessary phosphorus and potash as well as nitrogen. Apply them at the rate of 8 to 10 pounds per

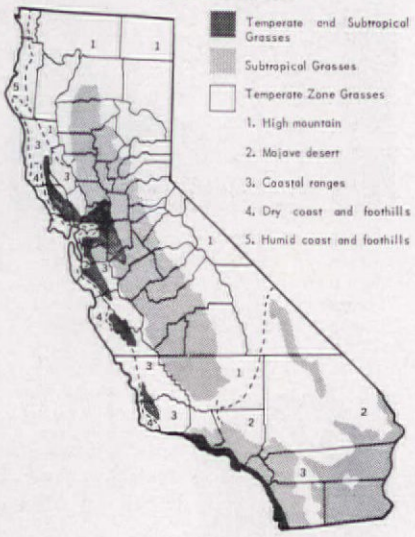
Dr. Anton Kofranek teaches floriculture at UCLA, Los Angeles. His collaborator was turf expert Dr. Victor B. Youngner.

1000 square feet of lawn area. Then apply nitrogen fertilizer subsequently at intervals of four to six weeks to supply about one pound of nitrogen per 1000 square feet at each application. This would be 5 pounds of ammonium sulphate, or 3 pounds of ammonium nitrate, or 2 pounds of urea per 1000 square feet.

All fertilizers should be watered in well immediately after application to prevent burning. It's usually best to discontinue fertilization from July until mid-September. After that, resume the regular fertilization program through the fall and winter or until the lawn goes dormant.

Proper mowing is a crucial factor

Turfgrass Climate Zones



in the maintenance of a high quality, permanent turf. Bluegrasses, fescues and ryegrasses should be mowed no shorter than 1½ inches. Zoysia and St. Augustine are best cut at ¾ to 1 inch. Bentgrasses and Bermudas should be mowed at ½ inch or less. Dichondra may be mowed at ½ inch during the fall, winter, and spring, but during the summer it is usually best to cut it at ¾ to 1 inch. Mow often enough so that your lawn doesn't grow more than one-third above its correct height between mowings.

A lawn needs water as well as food, and the soil throughout the root zone should be kept moist at all times. The amount of water and the frequency of irrigation will depend on soil type, weather conditions, and the kind of grass. Water long enough each time to wet the soil to the full depth of the root-zone. Roots of most grasses are a foot or more deep, and so ½ to 1½″ of water will be necessary to thoroughly wet the soil. To measure the depth of water penetration, push a ½″ diameter steel rod into the soil. When strong resistance is met, it means that you've come in contact with a relatively dry layer of soil. Allow the surface to dry out between waterings. Frequent light surface sprinkling only encourages shallow rooting and promotes the growth of weeds—including crabgrass.

Soil compaction is a problem sometimes encountered in lawn maintenance. Constant traffic, mowing, and watering may eventually produce a hard surface layer 2 to 3″ deep which prevents water and air from penetrating. When this condition develops, the grass will become thin, weak, and of poor color. Hand or power-driven tools, called aerifiers, will cut small holes through the compacted layer and thus improve air and water penetration. In some cases aerification with these tools is advisable once or twice a year.

NORTHEAST

(continued from page 33)

spring, and it should continue as frequently as the rate of growth requires throughout the growing season. Most good lawns in the Northeast are predominantly bluegrass or combinations of bluegrass and fescue. These should be mowed no shorter than 1½″ and are usually better mowed at 2″ or 2½″. At 1½″, mow as soon as the grass is 2″ high; at 2″, mow as soon as it's 2½″ or 2¾″; at 2½″, mow when it's 3–3½″. Grass that's allowed to grow too high before mowing sustains a severe shock and is sure to be weakened; in hot, dry weather it's likely to be badly burned and may take weeks or even months to recover.

It's desirable, but not essential, to remove the clippings when mowing. The finest lawns are usually those of gardeners who use a reel type mower with a grasscatcher attached. Many excellent lawns, however, are cut with rotary mowers and the clippings are not removed. So it's a matter of how "perfectionist" you want to be.

Watering is necessary for a bluegrass or bluegrass-fescue lawn to keep growing and stay green during summer. Without it the grass goes dormant and turns brown during periods of dry weather. Nothing is gained, however, by watering more than necessary, and excessive watering favors disease. So test the soil with a trowel and, if it's dry to the touch, give the lawn a thorough watering. If

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it feels moist, wait a few days and test it again. The top 5–6″ of soil should be moistened, and this means watering until it's thoroughly soaked to a depth of 2–3″, depending on the texture of the soil. Test it with a trowel before moving the sprinkler.

Broadleaf weeds are readily disposed of with the variety of weedkillers now available. There's also a wonderful weedkilling gadget—a hol-

Mrs. Jean Hersey of Weston, Conn., is known to many as a garden authority, and is author of Carefree Gardening *published in 1961.*

low plastic cane which drops a squirt of weedkiller into the heart of a dandelion or plantain and brings about its rapid demise. With this, you use the poison only where it's needed and avoid getting it on unnecessary areas. Crabgrass can be controlled with the preventive, pre-emergence chemicals, applied early in the spring, or with the postemergence materials applied in summer before crabgrass starts to set seed. If your lawn is small and is not badly infested with weeds or crabgrass, you'll find it isn't really too much of a task to remove them by hand or with a knife as soon as they're large enough to get hold of.

Lawn insects that sometimes become serious enough to necessitate control measures include Japanese beetle and other grubs, chinchbug, and sod webworm. They can be eliminated by use of such chemicals as chlordane, dieldrin, DDT, and lead arsenate. But be sure to use these materials with utmost care and no more frequently nor at greater concentrations than necessary to control the pests. Turf diseases also are likely to make their appearance during rainy spells or during periods of hot, humid weather. They don't often become serious in a bluegrass or fescue lawn that's well cared for and mowed high, but when they do it's advisable to use a turf fungicide every week or so until they're controlled.

If your soil is of a clay type, or if the lawn is subjected to heavy traffic, the surface may eventually become packed so hard that the grass is weakened by poor aeration and water penetration. Under such circumstances it will be advisable to rent a mechanical aerator occasionally or to have the lawn aerated by professional lawn maintenance men once or twice a year. The best aerators are rollerlike devices which remove small cores or plugs of soil and thus allow air and water to get down to the grass roots.

Lawn areas severely damaged or killed by insects, disease, crabgrass, or anything else should, of course, be reseeded as soon as possible. The best time to do this is early spring or late summer. Ordinarily it's sufficient to remove the dead grass, loosen the upper 2″ of soil, fertilize it, and sow

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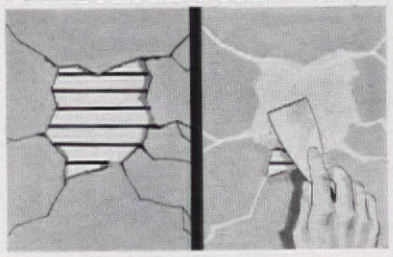

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the seed. To be on the safe side, however, it would be better to have the dead-area soil tested by your county agricultural agent before reseeding. He'll probably be able to tell you specifically what caused the dying out and how to correct the situation.

You cannot produce a good lawn in really dense, continuous shade, however, and so if you've been trying to do so you'll do well to plant the area with pachysandra, myrtle, ivy, or some other shade-tolerant groundcover.

MIDWEST

(continued from page 33)

to need complete remaking, you can get it back into good condition fastest if you reseed over the old grass in early spring. First rake the lawn well to remove dead grass and loosen the soil surface, then sow the seed and fertilize. You'll get best results if you soak the seed beforehand and sow it as pregerminated seed. Mix a cupful of water to one pound of good bluegrass seed in a glass container or plastic bag, tumble them together, and place in the refrigerator for about five days. The cool temperature will help the seed to start promptly and evenly. When the first signs of sprouting are evident the seed is ready for sowing. Use one pound of pregerminated seed per 1000 square feet of lawn area, but mix the ready-to-sow seed with some slightly moistened peatmoss, screened sphagnum moss, or vermiculite to make it easier to distribute evenly. Fertilize and water the lawn after sowing, and start mowing as for an established lawn as soon as either the old or the new grass needs cutting. Don't use any weedkillers on the reseeded lawn for at least six months.

Start mowing your lawn as soon as growth starts in the spring, and mow regularly throughout the growing season. Bluegrass should never be mowed closer than 1½″, and it usually makes a much better lawn at 2″ or even 2½″. Where the ground is uneven, on slopes, and where weed invasion is a constant threat, the best cutting height is 3″.

Most authorities recommend mowing often enough so as to remove no more than one-third of the length of the grass leaves at each mowing. If you cut your lawn at 1½″, that means mowing as soon as it grows to 2 to 2¼″ high; if you cut at 2″, it means mowing as soon as it's 2¾ to 3″ high, and so on.

Proper watering is important with all the northern, cool-season grasses, including the bluegrasses. If there is insufficient rain during the summer, bluegrass normally stops growing and turns brown, partly because there's too little moisture for growth, and partly because dryness allows the soil temperature to rise to the point that bluegrass becomes dormant. (Its growth processes stop when the soil temperature gets above 80° F.) To keep the grass green, therefore, watering is necessary during (continued)

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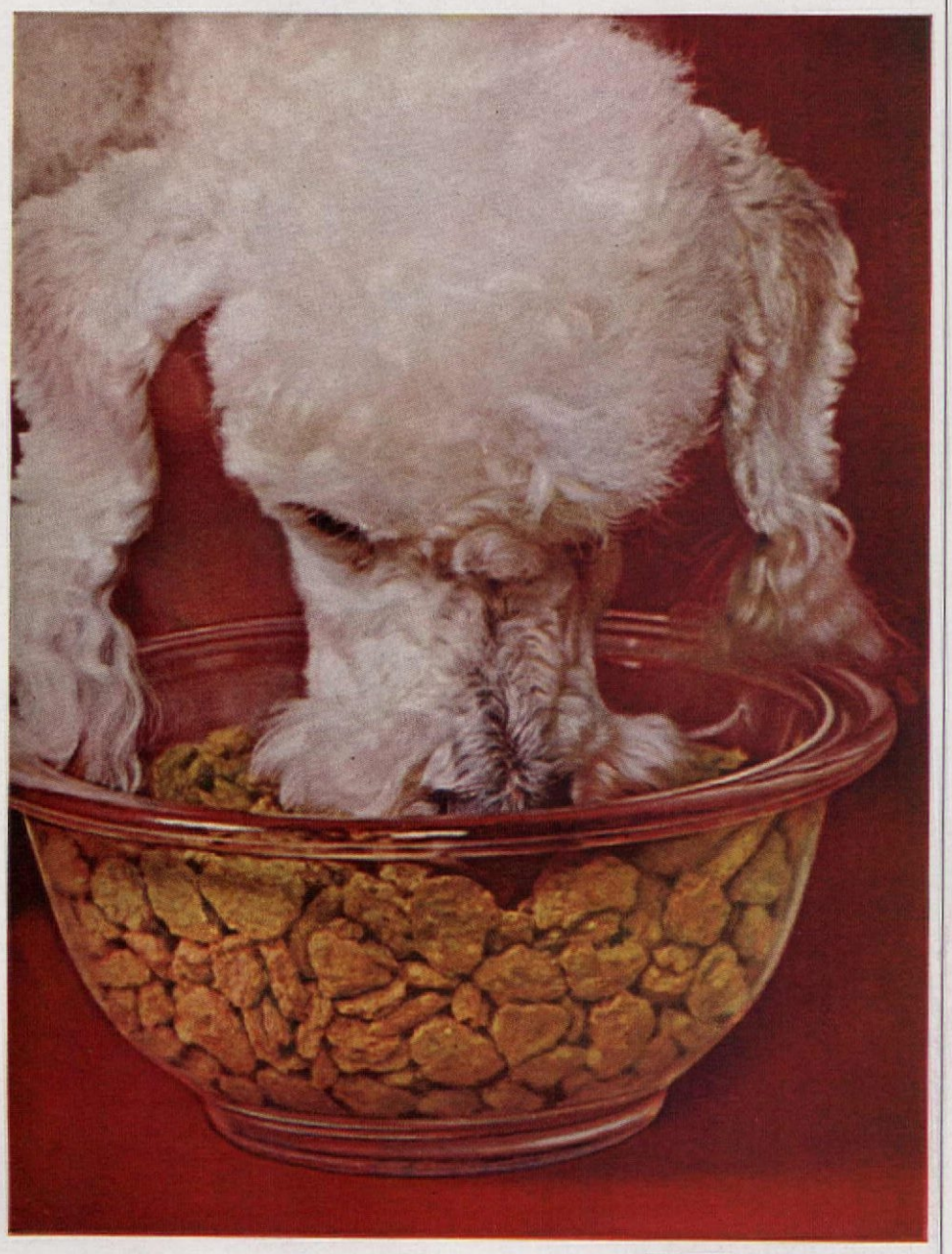

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DIET OF CHAMPIONS

(continued) dry spells. But, an excess of rain reduces soil aeration, leaches out nutrients, causes matting, and promotes fungus diseases.

Light, frequent watering is not recommended for bluegrass. Rather it should be watered only when the soil becomes dry—and then heavily. During protracted dry spells, with average soil, this means applying an inch of water to the surface about once a week. Light soils hold less moisture and dry out faster than heavy soils, so check your soil with a trowel to be sure it's getting dry before deciding to water. To find out how long it takes your sprinkler to deliver an inch of water, place a few empty coffee cans here and there under the spray and note the time it takes for an inch of water to accumulate in all the cans.

It's worth noting here that lawn watering problems are reduced by cutting the grass sufficiently high. High-cut grass has deeper roots than low-cut grass and so can obtain moisture for longer periods. Also, tall grass keeps the soil cooler than short grass.

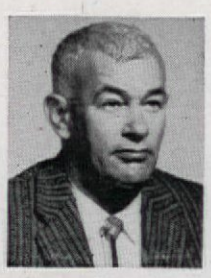
Weeds are some home owners' major lawn problem. Usually, however, a serious weed control problem only means that some other phase of lawn care has not been handled well enough. For when bluegrass is fully established and properly managed—well fed, carefully watered, and mowed reasonably high—the weed problem isn't likely to be too serious. Where weeds have secured a foothold, however, it's advisable to start your weed control program early in the season, as soon as you've raked and fertilized the lawn. Crabgrass, probably the worst lawn weed, is best attacked with a pre-emergence crabgrass killer containing Zytron or Dacthal applied in the very early spring. When the manufacturer's directions are followed explicitly, no injury to bluegrass turf will result and a high degree of crabgrass prevention will be obtained.

Dandelion, plantain, and other broadleaf weeds may be eliminated with the 2,4-D weedkillers used in the dobber type applicator, or with "weed and feed" preparations containing fertilizer and the least volatile forms of these weedkillers. General lawn spraying with 2,4-D preparations, however, is not recommended for the average gardener because of the danger from drifting spray mist or volatile fumes. Even professionals find these materials difficult to use with complete safety. Where their use is necessary, it's advisable to wait until late fall, because after a few hard frosts most of the more sensitive plants are less susceptible to injury.

Insect pests that occasionally become serious in some areas include white grubs, chinchbug and sod webworm. They can usually be eliminated with aldrin at the rate of 1½ pounds of 5% dust or granules per 1,000 square feet or with chlordane at 1½ pounds of 10% material per 1,000 square feet, either material to be well watered in after application. If you're in doubt about lawn pest control, contact your county agricultural agent at the county seat or a reliable garden supply dealer in your area.

Turf diseases also are sometimes a problem. Winter traffic, piled-up snow, and accumulations of ice on the lawn can result in cold weather molds (snow mold) which seriously injure the grass. Mix an ounce of good fungicide dust with a pail of dry sand and scatter this thinly over the affected areas. Then rake lightly with a lawn rake to break up the diseased, moldy mat. It's better, of course, to prevent the disease. So next year, avoid piling snow on the lawn, and try to prevent people from walking on it, especially when it's covered with wet, slushy snow.

Summer turf diseases are most likely to show up during periods of rainy or hot, humid weather. They include dollar spot, brown patch, foliar rusts, and others, all of which sometimes become quite serious. They can be controlled with several turf fungicides, but you'd do well to ask your county agricultural agent or a reliable dealer about suspected lawn diseases and best means of controlling them.



***Dr. C. H. Sherwood,** Iowa State University, Ames, worked with turf expert Dr. A. E. Cott on our story.*

Many lawn troubles, including weak growth, disease, moss and algae, and strong weed competition, can be traced to excessive soil compaction, which results in poor aeration and drainage. This may have been caused by heavy earthmoving machinery when the land was originally graded. Such conditions are best corrected by opening up the soil with mechanical aerating equipment. In most communities aerators can be rented or lawn service men can be hired to do the work with their own equipment. In small areas, simply inserting a spading fork and lifting the soil a little will do wonders. This should be done when the soil is moist but not soaking wet.

A heavy buildup of undecomposed clippings, known as thatch, can also lead to poor growth and disease. Mowing the grass higher, or use of a grasscatcher or lawn sweeper, usually prevents excessive clipping accumulation. Where it has become serious, however, it's usually advisable to rent a vertical-cutting machine or lawn renovator to get rid of the thatch.

NORTHWEST

(continued from page 33)

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ommended by the maker, and water it in thoroughly immediately afterward. Nutrients are available to the grass only when in solution.

Bentgrass should be mowed at less than 1" high and when in good growth needs to be cut quite frequently. Properly fed, watered, and mowed, it makes the finest of all lawns. Bluegrass is best mowed at 1½" or higher and also should be mowed fairly frequently when growing vigorously. The important thing to remember with either grass is that the less you remove at each mowing—that is, the oftener you mow—the better your lawn will be.

Weed control is usually less of a problem with a well-tended lawn than with one that's neglected. West of the Cascades probably the most troublesome weed is annual bluegrass (Poa annua), which thrives in the natural moisture of the area. The best way to eliminate it is to use a grasscatcher when mowing. This collects most of its flowers or seeds and thus prevents it from reseeding. Maintaining a thick, vigorous turf also tends to choke out annual bluegrass. East of the Cascades, Japanese clover and yarrow are likely to become serious pests, but repeated use of a 2,4-D weedkiller will usually eliminate them in time. Crabgrass has long been a problem with many home owners, but since it's an annual it can soon be eliminated with the new pre-emergence crabgrass killers applied early in the season.

Turf disease, mostly caused by fusarium and snowmold, is sometimes a problem in lawns both east and west of the Cascades. The best means of coping with both these fungus diseases is to prevent their appearance by applying a mercuric fungicide in late fall or early winter. Lawn diseases, and moss too, are usually encouraged by poor drainage. Where the condition is serious it may be advisable to remake the lawn, installing drainage tile to carry off the excess water and working sand and peatmoss into the soil to increase its porosity.

The worst lawn insect pest in both areas of the Northwest makes its presence known by the small tan-colored moths which fly out of the grass when it's mowed or walked on. The moths themselves are harmless, but they lay their eggs in the grass and these hatch into the destructive sod webworm. The pest is best controlled with chlordane.

Mark M. Taylor, Salem, Oregon, has won many garden club laurels and writes prolifically on various horticultural subjects.

Sometimes, for all kinds of reasons, lawns become so bad that it's easier and faster to remake them than it is to rehabilitate them. Such was the case with many home owners in the Northwest after the hurricane of Columbus Day, 1962. The trampling and mauling of the cleanup process left many a lawn a hopeless mess. In such circumstances, the simplest procedure is to use one of the new chemical vegetation eradicators for lawn renovation. They are applied with a spreader and get rid of all grass and weeds and allow you to reseed without tilling the soil. Many of us who tried this technique last fall had new lawns under way in the amazingly short time of five days!

Various grass substitutes have been tried in the Northwest but few gardeners have been satisfied with them. These groundcover plants are acceptable on steep slopes where lawn maintenance is difficult or impossible, or in dense, continuous shade where no grass will grow. But under ordinary conditions most home owners are convinced there's no substitute for grass. Complain as they may of the work involved, they're satisfied the effect is worth the effort. THE END

SHOPPING INFORMATION

Cover: Surface cooking top—General Electric. Cabinet—Mutschler Bros. Wallpaper—Woodson.

LET YOUR PERSONALITY SHOW IN YOUR KITCHEN

Pages 46, 47: Flooring—Amtico. Wallpaper—Pageant. Table—Knoll Assoc. Chairs—Italian imports. Lighting fixtures—Custom Ceramic by Smith-Straight, Inc. Appliances—Frigidaire. Cabinets—Gem. Cat batik—Peg-Ott. **Page 48** (left): Blender-mixer—NuTone. Quarry tile—Gladding McBean. Refrigerator—Kelvinator. Ovens, surface cooking top—Thermador. Barbecue—Char-Glo. Vinyl floor—Amtico. Fan—Trade Wind. Saucepan—Descoware. **Page 49** (right): Cabinets—St. Charles. Wallpaper, window shades—Pageant. Flooring—Robbins. Counter top—Formica. Electronic oven, wall oven, surface top burners—Tappan. Refrigerator—Revco. Sink fixtures—Elkay. Disposal, dishwasher—Waste King. Ventilator fan—Trade Wind. Chairs—Hickory. Chandelier—Halcolite. Chickens, brass and glass candlesticks, trays, dishes, table covering, napkins—Georg Jensen. Coffeemaker—Presto. Casserole, saucepan—Prizer Ware. **Pages 50, 51, 52:** Cabinets—Wood-Mode. Counter tops—Formica. Flooring—Amtico. Gas refrigerator—Norge. Gas range, built-in oven and dispenser—Caloric. Gas dishwasher—Preway. Gas barbecue—Waste King Universal. Compact refrigerator—Marvel. Sinks—American-Standard. Foldaway hood fan—NuTone. "Guilford" wallpaper—Old Stone Mill. Nailon facing brick—Ludowici-Celadon. Stock 4-panel door—Ponderosa Pine Woodwork. Ceiling and soffit lighting-fixtures—Moe Light. Tole chandelier—Georgian Lighting. Table—Pennsylvania House. Chairs—Statton. Ethan Allen antiqued pine secretary-desk—Baumritter. Captain's stools—Sturbridge Yankee Workshop. Black and white gingham—Avondale. Glassware—Libbey. Spice cabinets, condiment jars, salt and pepper shakers—Julie Pomerantz. Flatware, salad bowl, black tureen—Dansk. Henriot Quimper "Louis XV" dinnerware, opaline goblets, pen and holder, engagement calendar, tray, lyre-shaped brass trivet, black basket, Descoware saucepan, candlesticks, salt box—Bloomingdale's. Blender, toaster, coffeemaker—General Electric. Knife—Ekco. White dinnerware on cart—Centura by Corning. Wrought-iron basket, red spoons—Richard Camp. Wine holders—Hammacher Schlemmer. Princess phone—Bell. Creil bowl, octagonal plates, brass box, figurines, inkwell, boots—Stuart's. Letter holder, paper clip—Virginia Metalcrafters. Black salad bowl, servers, tapered brass trivets, black mugs, teakettle—Azuma. Mortar, pestle, cruets, canisters, tole spice chest, boxes—antiques. Cart towel-rack handle—Old Guilford Forge. Spices—Wagner. Ironstone pitcher—Red-Cliff. **Page 55:** Floor—Robbins. Lighting fixtures—Lightolier. Acoustical tile ceiling—Simpson. Oven—Hotpoint. Surface units—Wegewood Holly. Ventilation and built-in blender, barbecue—NuTone. Disposal, dishwasher—Waste King. Faucets—Delta. Cabinets—Geneva. Counter top—Formica. Cups, saucers, plates—Arabia. Brown bowl—Hudson Rissman. Orange canister, bowls, chopping block—Paul Ferrante. Sink—Ziegler Harris. Wall hanging—Si Slavin. Items over barbecue—Jurgensen Balzer. Orange salt and pepper containers—Leslies. **Page 56** (left): Cabinets—St. Charles. Soda fountain—Everfrost. Coffeemaker—Havajava. Ovens, cooking top—Thermador. Ventilation—Jenn-Air. Dishwasher—Frigidaire. Flooring—Armstrong. Bean print, candy jar—Vogue Assoc. Handloomed tapestry—Evelyn Ackerman. Canisters, glasses, teak salad bowl—Leslies. Tureen, dish, compote-covered dish—Hudson Rissman. Blue cups—Japanese import. Tile—Gladding McBean.

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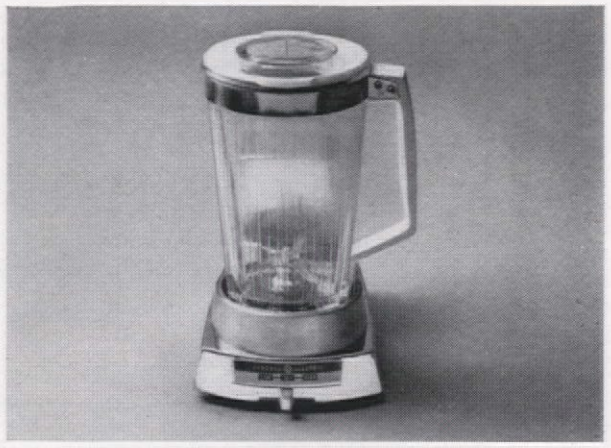

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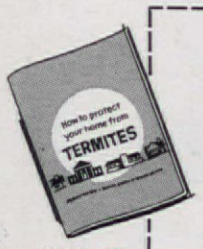

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Modern Spray Chemicals

(continued from page 12)

Departments of Agriculture, Defense, and Interior, and the Department of Health, Education and Welfare. It is the Board's responsibility to review all possible hazards to human health, livestock, crops, and fish and wildlife before large-scale pest-control projects are approved.

One of the best known such projects is the gypsy moth control program. This pest was brought to the United States in 1869 by a scientist who wanted to interbreed it with silkworms. The moth escaped and by 1890 it was defoliating trees to such an extent that Massachusetts passed our first state law requiring the extermination of an insect and setting up legal authority for entering private property. Later, in a mistaken attempt at economy, spraying was abandoned. By the time it was resumed, the moth had spread all over New England and its control now costs Massachusetts a million dollars a year. This is despite the introduction of many natural enemies and the fact that spraying is limited to regions where trees are seriously threatened.

A few years ago the gypsy moth escaped from the control zone along the Hudson River and threatened all our eastern hardwood forests. Federal-state eradication programs were started in Michigan, Pennsylvania, New York, and New Jersey. DDT in oil was dispensed by airplane at the rate of one pound of DDT per acre. There was widespread criticism and protracted legal action, but the objective was accomplished. The pest was kept within bounds, even though there was minor damage and reinfestation may occur sometime in the future. I have lived in three of the treated—and controversial—areas and can testify that our subsequent springs have by no means been silent. There have been more birds than ever.

The imported fire ant program, started in 1957 to aid ten southern states, proved much more damaging to wildlife when the chemical heptachlor was used at two pounds per acre. Research reduced this to two applications of one-fourth pound per acre, and more research has produced a bait, mirex, that has been cleared by the U.S. Fish and Wildlife Service as nonhazardous to wildlife. It also presents no hazard to humans and livestock, and it leaves no harmful residue on food and feed crops. Meanwhile all outlying infestations of the ant have been treated and its spread has been checked.

Another bait spray, malathion with a protein attractant, has been used in Florida for the Mediterranean fruit fly. This pest was eradicated after its 1956 invasion, but has returned for another engagement—a predictable event, since larvae may enter the country in fruit, coffee berries, and other tourist attractions. The new spray is hard on automobiles and some fish, but it is relatively safe for other wildlife and for people, and it does save the citrus crop.

Despite quarantines and the treatment of aircraft to prevent insect hitchhiking, the Japanese beetle has jumped to new areas. It was found in California in 1961, but it has seemingly been eradicated there by ground treatment and foliage sprays. It is still a problem in the Middle West, where treatments have had some adverse side effects. In the same area, efforts to prevent bark beetles from spreading the Dutch elm disease have been linked to bird mortality, especially of robins which have fed on earthworms that have concentrated DDT in their bodies. The picture here is not clear, however, for in recent laboratory tests at the University of Wisconsin robins have survived a diet of earthworms containing known amounts of DDT.

Some eastern municipalities, with a rigid program of sanitation combined with an annual DDT dormant spray, have kept Dutch elm disease down to 1 per cent with no noticeable effect on birds. Some cities are changing to methoxychlor, which is more expensive but safer for birds and mammals.

Miss Carson states that "a truly extraordinary variety of alternatives to the chemical control of insects is available." This is perfectly true, but the alternatives are still a long way from being adequate. More and more researchers are working in this direction, however, as can be seen by comparing recent volumes of the Journal of Economic Entomology with those of a few years back. The present aim is an integrated control program, using chemicals where alternative methods are not sufficient and using them with the least damage to biological controls. The introduction of parasites and predators has been brilliantly successful in a few cases, as with the vedalia for cottony cushion scale and several parasites for the spotted alfalfa aphid. But the failures are many compared to the successes.

Microbial insecticides are in the ascendance. The bacterial milky disease works slowly but quite surely against Japanese beetle grubs. Various commercial preparations of Bacillus thuringiensis are used for cabbage caterpillars and are promising for gypsy moth larvae and similar pests. Ironically, the control is actually chemical—a crystal formed by the bacillus. In some cases the control is too specific. I saw cabbage this summer on which the loopers had been completely controlled by the bacterial preparation, but the flea beetles had increased to the point that the cabbages were unmarketable.

Pine sawflies have been controlled by a virus dispensed from airplanes. The screwworm, a livestock pest, was eliminated in Florida by airplane distribution of male flies sterilized by irradiation. The same method is now being tried, along with chemical sterilants in baits, for some fruit flies. Considerable progress with these techniques is (continued on page 88)

TRACK TEAM

Hail, hail—the gang's been here. And let the fun go on, rain or shine. Just tidy up the muddy tracks with tough-muscled, fiber-locked Northern Towels. These thrifty, handy helpers take a lot of hard work out of housework. Soak up spills; scrub skillets; dry paws; polish glass; help serve food. Choose jumbo rolls, or two-roll Twin Packs.

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If you're just about set to get going with whatever your own pet home remodeling project may be . . .

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As announced in our Winter issue, *The American Home* has inaugurated a brand-new service that we feel will be of tremendous help to our readers—the kind of help you yourself have asked us for.

Designed to extend the type of guidance that might be given if it were possible for our editors to speak with you personally, this service is a series of 12x15″ portfolios, each devoted to a specific area of building, remodeling, decorating—or whatever else you request.

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Response to our first announcement in which we offered **The American Home Kitchen and Laundry Planning Guide** and **The American Home Exterior Remodeling Guide** has been even greater than we had hoped for. Now—still in the process of completion as we make this announcement—we offer the next and newest of our Kits . . . **The American Home Bathroom Planning Guide.** We have tried to make it as comprehensive and helpful as possible, and we think you'll be pleased with what we have done. Each Kit sells for $1 and—if you like them—there will be more to come! In the meantime, let us know what type of kit would be most helpful to you. We aim to please!

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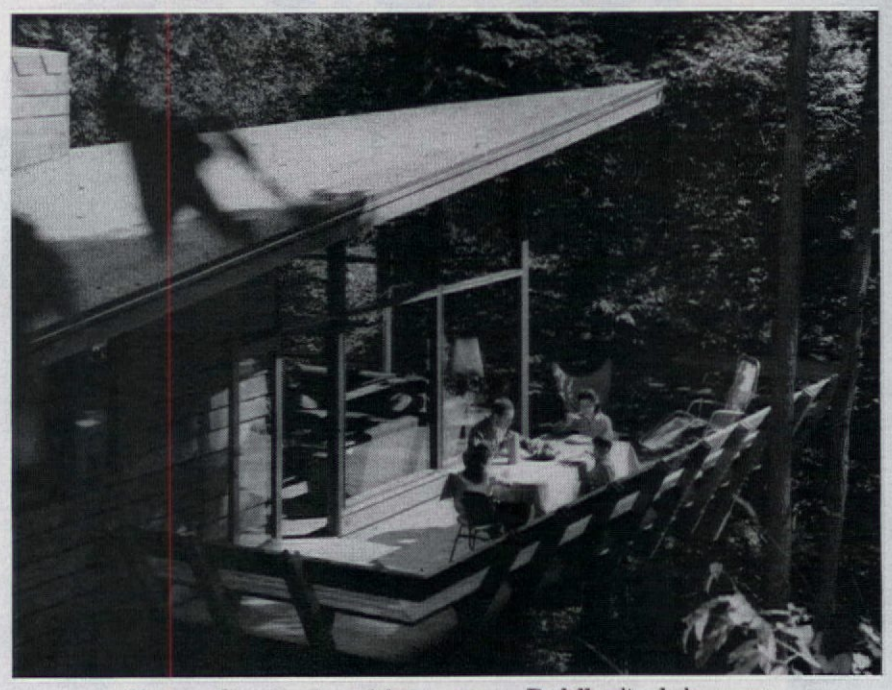
SHE CHANGED HER MIND ABOUT CONTEMPORARY

Mrs. Jack Podell of Pleasantville, New York, had always been a confirmed traditionalist. Her husband leaned to contemporary.

"When we first started looking for a house," she tells us, "if it wasn't colonial, I wasn't interested. For me, the word contemporary represented all that was cold and aloof. It made me think of neon lights and juke boxes, of uncomfortable furniture and garish colors."

Mrs. Podell changed her mind after spending a month in a contemporary home owned by relatives. "Almost every preconceived notion I had about modern architecture went out the window," she says. "It was a wonderful month, an unbelievable experience."

The result was that the Podells and their two children, Lisa and Eric, now live in a contemporary home which reflects the warmth Mrs. Podell loves and satisfies the practical down-to-earth requirements they requested of their builder-designer, David Henken. These were: a house that would maintain itself, would not require a maid, and would allow for a maximum enjoyment of family life, yet also would permit privacy.



Alfresco Sunday breakfasts are a Podell ritual in warm weather. The balcony, overlooking a wooded setting, is easily reached from the kitchen. Seating goes around entire balcony.

The latter requirement was accomplished by dividing the home into two "apartments"—a lower level for the children and the upper (entry) level for the adults.

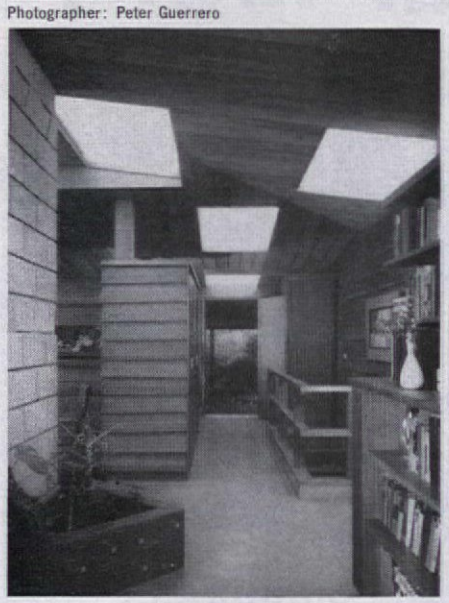
The children's level consists of their bedrooms, recreation room, hobbies and TV room, and bath. There's also a laundry with a chute connected to the master bathroom (upper level) so that there's no need for carrying dirty clothes down the stairs. Besides the master bath, the upper level contains the living and dining rooms, kitchen, master bedroom, and study or guest room.

Western red cedar used for siding, as well as all ceilings and upper level walls, was sanded by the Podells and finished with a long-wearing clear lacquer which minimizes painting needs. To provide contrast, concrete block was used for the two fireplaces, the chimney, and walls in the children's area.

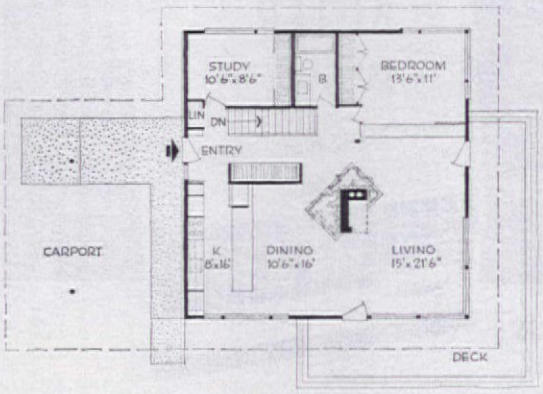
An electronic air filter, installed because Mrs. Podell is allergic to dust, operates automatically through their heating system. Combined with exhaust fans in the kitchen and bathrooms, it keeps the house sparkling clean with minimum maintenance.

***Open planning is evident** in this view (above) from the balcony which shows the living and dining rooms and kitchen. Kitchen cabinets are Philippine mahogany. Below, the soaring design of the home is evident. The Podells chose their hill site (with its 60-degree incline) because they wanted their home close to the sky.*

Photographer: Peter Guerrero



***Seven skylights,** eight inches high at the dome, insure maximum light throughout the day. Fluorescent fixtures are recessed into the skylights for interesting effects at night.*



***Simple floor plan** reflects the Podells' desire for an open, airy home. Children's bedrooms are separated from recreation room by movable wooden-slatted "walls," also used to close off some closets. Living-room planter gets needed light from skylights.*

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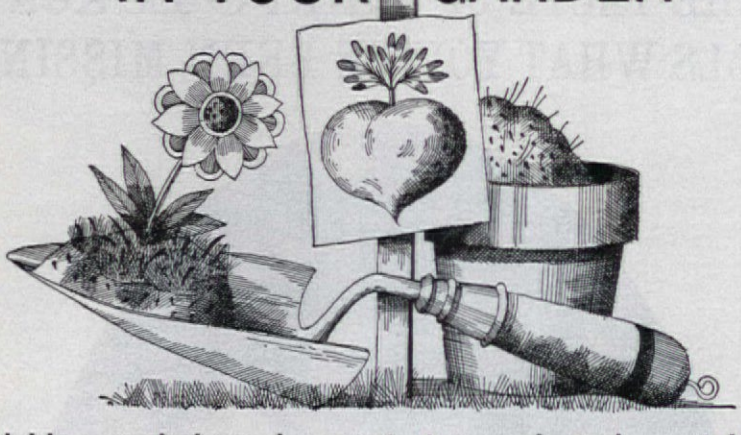

Divide crowded narcissus; start annuals and vegetables.

Spring is rapidly approaching in the southern states. When narcissus and other spring bulbs are in flower, notice which varieties are too thick, or have an abundance of leaves and too few flowers. These clumps should be divided. Bulbs can be dug after the foliage starts turning yellow. Store them for planting in the fall or, better still, replant them immediately. Narcissus can also be dug and moved to a new location while in bloom. It's not a common practice, however, and bulbs should be dug as a clump and replanted immediately.

Japanese honeysuckle, a common pest in woodland areas, can be eliminated by spraying with a low volatile spray of 2,4-D early in the growing season. In a woodland area of native azaleas, the honeysuckle has been destroyed by applying the herbicide in the early spring before the azaleas started new growth. Beware of drift, however, and keep the spray away from dormant plants as much as possible.

Do not use sprayers contaminated with 2,4-D for general garden spraying, as it adheres to the metal surfaces and is very difficult to wash off.

Amino triazol has also been used successfully in early spring for honeysuckle control. It's not a highly volatile chemical, and can be easily washed from the sprayer.

Apply a pre-emergence crabgrass killer to your lawn now; or at least a few weeks before crabgrass seed starts to grow. Several pre-emergence materials are available and most can be applied in granular form, rather than as a spray. They will not control dallis grass, however; so use a DSMA spray material for this in the late spring or summer.

Annual and vegetable seeds should be started in coldframes or greenhouses for spring planting. A light, sandy loam soil is ideal for seed germination. Cover seeds lightly with soil or sand and label each variety. Seedlings can also be started in the house. Small plastic pots or trays are fine for starting small batches of seed. Milled sphagnum moss is one of the finest seeding media for all types of seed because its antibiotic qualities prevent the damping off of young seedlings. Give the seedlings a light application of liquid fertilizer after they develop their first set of true leaves. Seedling annuals and vegetables can be planted directly into well-prepared soil beds or pricked off into clay or peat pots.

Alyssum 'Pink Heather' and 'Royal Carpet' are both fine for bedding or edging. Marigolds are very easy to grow and give a riot of color from early summer until frost. Dwarf types, for bedding or borders, are 'Lemon Drop,' 'Butterball,' 'Petite,' 'Spry,' and 'Rusty Red.' 'Climax' marigolds are giant hybrid American marigolds. The large globular blooms are 4–5″ across on plants 2–3′ high.

Unwin dahlias are dwarf hybrids with double and semidouble flowers that are ideal for bedding or cutting. Grown from seed, the plants flower profusely the first summer, and the tubers can be saved for many years. Verbena, zinnia, and many other annuals can also be grown from seed.

Many vegetables make attractive garden plants and can be used in the flower border. Two of these are Swiss chard and globe artichoke. The former is a heat-resistant, leafy vegetable that can be planted throughout the season. 'Rhubarb' Swiss chard looks like rhubarb, with large crumpled dark green leaves, 18″ tall. The stems and midribs are red.

Globe artichoke is a perennial vegetable that is started from seed. The large gray-green, thistlelike foliage is attractive from spring until heavy frost. One plant will often be 1½–2′ high and 2–3′ across. Normally it doesn't flower the first year from seed. Its attractive flower buds can be picked for a gourmet's delight, or left on to develop into large, attractive, blue thistlelike flowers.

Good tomato varieties for the South include 'Big Boy,' 'Wonder Boy,' and 'Manalucie.' Or try the small-fruited tomatoes, which are excellent in salads. Some of these are 'Red Cherry,' 'San Marzano,' 'Yellow Pear,' and 'Yellow Plum.'

An old favorite is summer squash, and one of the most popular varieties is crook-neck squash. Zucchini is cylindrical, with dark green fruit, and cocozelle has dark green, striped with light green fruit.

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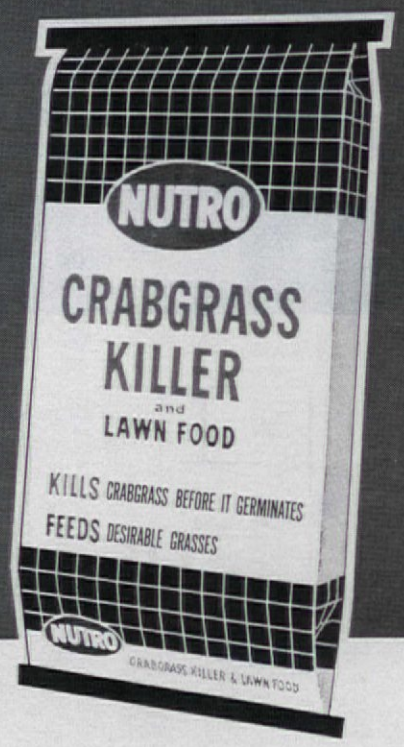

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AN APPRAISAL IS NOT AN APPROVAL

Early this year, an *American Home* reader complained to the Federal Housing Administration that he had purchased a used home, financed with an FHA-approved mortgage, then found out that the house had no closets in the bedrooms. "How," he asked, "could FHA have approved a house without closets?"

This reader made the same mistake that thousands of other home buyers make. He assumed that because the house had been appraised and proved acceptable for a mortgage, that it was free of all faults.

The fact is, that just because a home has been appraised and okayed for a mortgage (whether it is financed by a government-backed or conventional mortgage), there is absolutely no assurance it is structurally sound or that it contains all the facilities you need or want.

A recent Supreme Court ruling bears this out. Mr. and Mrs. Stanley S. Neustadt purchased a 16-year-old home in Arlington, Virginia. They assumed it was in good shape because the FHA had appraised it and approved a mortgage for it.

After they moved in, alarming cracks developed in the walls and ceilings because the entire house structure had been wrenched out of shape by shifting clay soil. Serious repairs were needed at a cost of over $8,000. The FHA, however, disclaimed any responsibility for the cracks.

The Neustadts angrily sued FHA for damages, claiming they had bought the house on the strength of FHA's appraisal and "approval" of the house. The case was recently settled by a landmark United States Supreme Court decision in FHA's favor and against the Neustadts.

The Court ruled, unfortunately for the Neustadts, that when Congress passed the original 1934 housing law setting up FHA, it did not intend FHA to guarantee the construction quality of houses. Therefore FHA cannot be held liable even if its appraiser makes an error and misses a major flaw. This backs up FHA's long-standing contention that its appraisal of a house you may buy is no guarantee against defects, especially in older houses where "defects can exist below the surface and are not readily apparent."

WHAT IS AN APPRAISAL?

When you apply to a lending institution for a mortgage, it sends a real estate appraiser to the home. The appraiser is concerned chiefly with the *market value* of a house—what it will bring on the open market. He rates the neighborhood (an all-important consideration), the size and style of the house, number of bedrooms, and other obvious features such as the exterior condition, and the appeal of the kitchen and bathroom. But that's about all he will do.

He does not probe deeply into the structural soundness, or the quality of the heating, plumbing, or wiring for several reasons. For one thing, very few appraisers are engineers or construction experts; they have limited technical knowledge. For another, they are not paid to check the structure thoroughly. The FHA, the VA, and virtually every bank and other lender that give home mortgages (and thus hire the appraiser) rarely request a complete structural evaluation of a house. Though it may surprise you, lenders are not concerned much with such things. A major hidden defect in the house is your problem.

The lender risks little or nothing even if a major defect turns up later. Why? Because the lender almost always limits the mortgage loan to an amount less than the appraised value of the house, especially with older homes. Although some lenders permit mortgages as high as 90 percent of appraised value, most cover only between 60 to 80 percent. A larger loan can be had on the same house through FHA or VA since the government insures the lender against loss.

WHAT CAN YOU DO?

Obviously, before you buy a house you should have your own check made—preferably by a *construction expert*. (This is not as necessary with new homes since there should be no major problems. Also, new homes financed with FHA or VA mortgages must meet specified minimum standards for construction.)

If you use a regular real estate appraiser, specify that you want a structural check. Your best bet is a Senior Residential Appraiser (SRA) who has passed a stiff examination to attain his rating. Of the approximately 75,000 appraisers in the nation (the exact number is unknown) only about 3,000 are qualified as Senior Residential Appraisers. For the name of the one nearest you write: Society of Residential Appraisers, 7 Dearborn Street, Chicago 3, Illinois. There is another appraisal organization, MAI. This stands for Members of the American Institute of Real Estate Appraisers. However, they are more experienced with business property.

The important fact to remember is not to rely on the routine appraisal (not approval) made by FHA, VA, or mortgage lenders.

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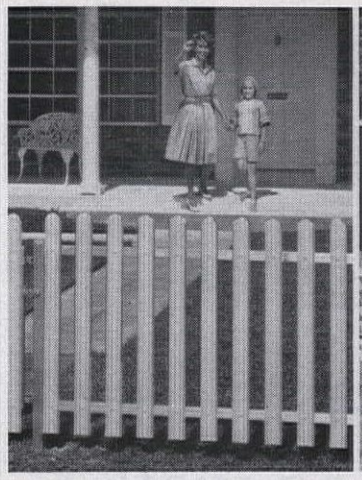

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***Center sections of the bookcases** have been fitted with glass shelves and sliding doors to keep the chess figures free from dust. Special lights inside the bookcase show them off dramatically. Shelves are handsome dark walnut with insets of caning in storage cupboards beneath. Chairs are green leather to match table.*

Information: Lois Rea Photographer: Bob Hawks

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Modern Spray Chemicals

(continued from page 86)

certainly being made, but it is not true that they are sufficiently advanced to replace standard methods.

One of the objections to chemical pest control is that insects quickly develop a resistance to any particular substance and so the search for new, more powerful substances must go on and on. But the same sort of thing occurs when we breed plants resistant to certain insects and diseases. Plant hybridists barely manage to keep ahead of the wheat rust, which persistently produces new strains that can infect "resistant" wheat varieties. And they've not begun to cope with the numerous races of the rose blackspot fungus disease. Nature, presumably, will always keep us on our toes searching for means of controlling forms of life that are undesirable to man.

It's not true, however, that new controls are always "more powerful"—in the sense of being more dangerous—than old ones. Methoxychlor, malathion, and Sevin, for example, are much less toxic to animals and humans than DDT, lead arsenate, and nicotine. The truth is that scientists are looking for safety as well as for efficiency, and it's not infrequent that they succeed in developing chemicals that are more effective against insects but less injurious to mammals.

Every thinking person, I'm sure, agrees that an ever greater amount of scientific research should be devoted to pest-control problems, and that no control program should be undertaken until the expected good has been judiciously balanced against the possible harm. But blind fear of modern pesticides to the point of deciding to abandon them would be as irrational, it seems to me, as total disregard of their dangers.

Here are ten suggestions for planning your own garden pesticide program for 1963:

1. Use only pesticides that are recognized as being reasonably safe for the person using them. Chemicals requiring a respirator and protective clothing are not for the average gardener. Methoxychlor, malathion, and Sevin are among the safest of the newer materials. Among the older pesticides, rotenone and pyrethrum are quite safe for mammals and birds but are highly toxic to fish. The miticides Kelthane, Tedion, and Aramite are not hazardous to the operator, but Aramite has a zero tolerance on food crops because it is considered possibly carcinogenic when taken internally.

2. Read the label, every word of it, before opening a package. Some chemicals are harmful when absorbed through the skin or inhaled through the nose as well as when taken through the mouth. Take care not to get the concentrated pesticide on your skin; if you accidentally spill it, wash it off *immediately*. Measure the recommended amounts exactly; never increase the dosage.

3. Don't smoke while spraying or dusting. You can get the chemical into your mouth via cigarette, cigar or pipe and your contaminated fingers. Wash thoroughly before eating.

4. Use a spray nozzle that gives a fine mist. Spray from the underside of the plant up through it, continuously revolving the spray rod. Move along rapidly—never spray to the point of run-off. If you stop to inspect a plant, shut off the sprayer. Never spray the ground on general principles; treat the soil only as necessary for a particular soil pest. Don't use sticker-spreaders unless specifically recommended by the manufacturer of the pesticides; some of these decrease effectiveness by increasing run-off, others increase spray injury.

5. Learn enough about the pests you need to control to be able to time sprays for maximum effectiveness and minimum damage. A single annual spraying, properly timed, may control lacebug on rhododendron or leaf miner on boxwood, but it may take 20 to 30 applications to control all rose pests. Don't spray fruit trees while bees are pollinating blossoms.

6. Keep poison sprays away from food plants. Don't spray roses next to tomatoes. Don't plant food crops near ornamentals that need spraying with poisonous materials.

7. Cover fish pools with canvas before spraying nearby. The safest chemicals for mammals are often the most toxic to fish.

8. Leave some part of the garden unsprayed, as a haven for beneficial insects.

9. Keep children and pets away while spraying. Dispose of leftover spray solution safely and immediately. Never leave a container of it standing, and never pour it onto an impervious surface where it can form puddles; in either case it would invite investigation by pets and birds. Dispose of containers with utmost care.

10. Store all insecticides, fungicides, and herbicides in a place that is inaccessible to children and to people unfamiliar with their characteristics.

As I have already mentioned, I have used old and new pesticides, regularly and in large quantities, for many years without evidence of injury to birds, pets, or humans. So I know that by following the above suggestions pesticides *can* be used safely.

For an unbiased view of pesticide problems, see the following publications of the National Academy of Sciences—National Research Council: 920-A, "Evaluation of Pesticide-Wildlife Problems"; 920-B, "Policy and Procedures for Pest Control." They are available from the Academy, at Washington 25, D.C. THE END

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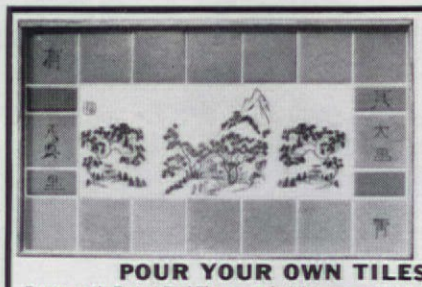

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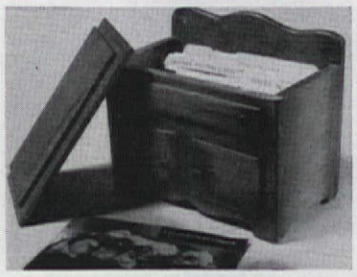

Since they may call for everything but the kitchen sink, what better place is there to keep them? This recipe file is a miniature reproduction of an old-fashioned dry sink, 4½ x 5¾ x 3¼". Made of pine with an antique finish, it is an unusual accessory.

$2.98 plus 25c postage

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Magic Bunny Bath Soap for Tots
$1.00 each; 3 for 2.75; 6 for 5.00 postpaid

The hare that grows "hair" in 12 hours! Just expose magic soap bunny to the air and he'll start growing a thick coat of furry, fine silky "hair!" It will continue to grow for about 3 days . . . up to ½" long! Produced by a pure and harmless cosmetic ingredient, both bunny and fur are actually English toilet soap that lathers up in a creamy foam. Coaxes tots to look forward to bath time when they can play and scrub with their "magic bunny!" 3½"high. Tuck one in each Easter basket or use it any time as a bath inducer.

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Give Civil War fans these 7½" book ends of cast iron weighing 7 lbs., authentically decorated in battle regalia. With great impartiality a pair is made up of one Rebel and one Yankee general, or one Rebel and one Yankee soldier. Decorate den or office—or give to your favorite history bug. A set consists of two Generals (**$6.95** the pair ppd.) or two Soldiers (**$6.95** the pair ppd.)

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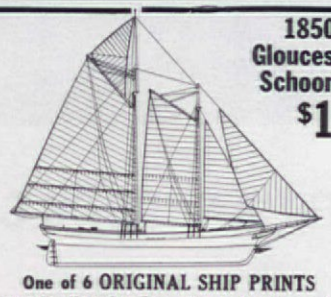

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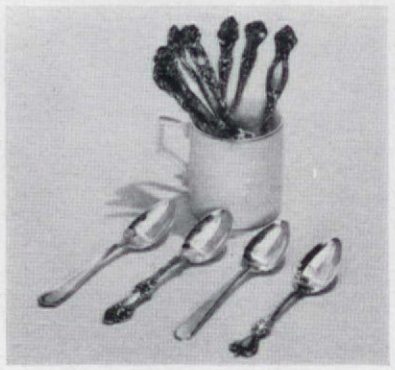
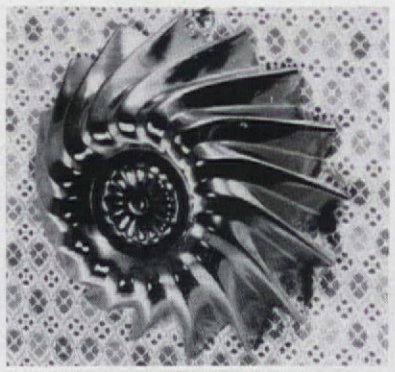
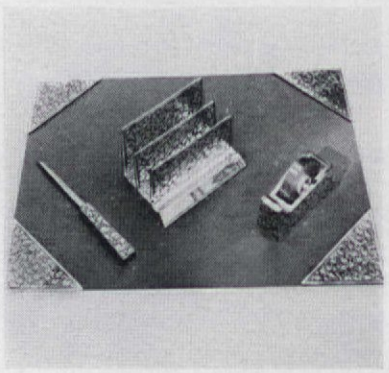
SHOP YOUR AMERICAN HOME



NEED A MATCH for old sterling? Here are 12 of 500 available patterns. L. to R.: Alvin's *Maryland* and *Old Orange Blossom*, Towle's *Old Colonial*, Web's *Virginia Sterling*. In cup: Alvin's *Bridal Rose*, Gorham's *English Rose Durgin*, Wallace's *Rose* and *Violet*, Int. Silver's *Frontenac*, Towle's *Old English*, *Georgian*, *Canterbury*. Julius Goodman & Son, 113 Madison Ave., Memphis, Tenn.



CAUGHT IN THE SWIRL of this mold, your puddings and gelatins will take on its attractive shape. Of copper-colored aluminum, 8" across and 3" deep, it can start off forming a lime-colored dessert for Saint Patrick's Day. When not working, it's smart enough to hang brightly on the wall. $1.29 plus 35c postage. Foster House, Dept. 403, 6523 North Galena Road, Peoria, Ill.



GETTING TO THE TOP of your desk, this Florentine set is lovely enough to travel with a rising executive—or to stay at home and lend its charm there. In non-tarnish silver plate, there are: four corners that fit onto any blotter, $5.95; letter opener, $2.95; letter holder, $7.95; tape dispenser (holds up to ¾" tape), $5.50. Set, $19.95. Hobi, Dept. AH-8, Flushing 52, N.Y.

RIGHT AT HOME. This sampler will add warmth to a room. Its easy-to-make pattern is an ideal one to show your daughter the fun and beauty of cross-stitching. She can set the colorful sampler, mainly pink and blue, in its 11½x14" brown wood frame, and hang it with pride in her own room. Complete kit, $2.95. Order from The Added Touch, Dept. AH, Bryn Mawr, Pa.

A FULL CIRCLE for each of his grandchildren hangs from the key ring of a lucky grandpa, gives him another chance to brag about them. This heirloom key holder comes with separate ¾" discs, each engraved with the first name and birth date of a grandchild. With gold or silver finish. Holder, $1.25. Each disc, $1.10. Elgin Engraving Co., 614 South Street, Dundee 2, Ill.

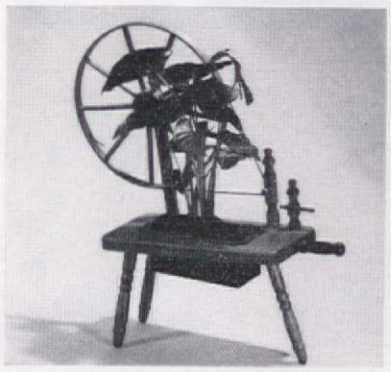
Order merchandise from the Market Place by sending your check or money order to the company mentioned. Unless otherwise stated,

ANN McLAUGHLIN

MARKET PLACE

THE EASTER BUNNY might bring you a miniature of itself, or a little decorated Easter egg—or even one of each—for your charm bracelet. About ½" high, these pint-sized charms are out to prove that the cutest things come in small packages. Silver bunny, $4. 14K gold, $12. Silver egg, $4. 14K gold, $12. Charm & Treasure, Dept. AH, 509 Fifth Ave., New York 17, N.Y.

GOOD WEATHER FOR DUCKS. These cuties cast in lead weigh nearly a pound each. Decorative on a desk to hold papers, as a door stop, as a highlight to a flower arrangement. Natural gray color, with a satin-smooth patina. Front, left, 3½" long. Right, 3". $1.98; both for $3.75. (Add 25c postage West of Miss.) Parsnip Hollow Products, Dept. AH, East Haddam, Conn.



A WHEEL CHARMER from Grandma's day, this three-legged spinning wheel is a carefully detailed replica. With a maple finish, it stands 13½" high and 10½" long, with a metal liner, 2" deep, ready to hold your favorite small house plant. You can even use it for a flower arrangement. $2.88. Palley's, Dept. A, 2263 East Vernon Ave., Los Angeles 58, Calif.

Otto Maya

KEEP THE LID ON the mug to bring steaming hot coffee to the living room or patio, then use the 4" cover as an ashtray. People who like lots of coffee will love these eight-ounce mugs, nice enough to go to the dinner table. White porcelain with a single, gold-fired initial. 4 coasters, $1.79. Mug, $1.29, 4 for $3.99. Here's How, 15-AH West 26 St., New York 10, N.Y.

A MOUSE IN THE HOUSE will be more than welcome if it's the whimsical creature on this tile. This little scamp decorates a glazed ceramic tile (6" sq.) that reads, *May the mouse ne'er leave our pantry With a tear drop in his eye.* Tile, red, gray, and white, $1.75. Black, wrought-iron frame (holds any 6" tile), $2.25. Both, $3.75. Old Guilford Forge, Dept. AH, Guilford, Conn.

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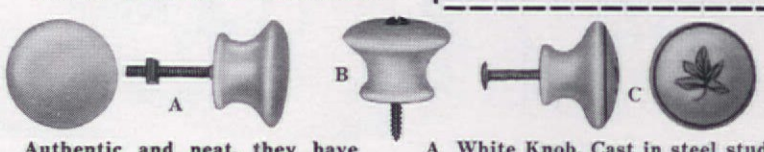
To Beautify Desks, Chests, Your Kitchen Cabinets



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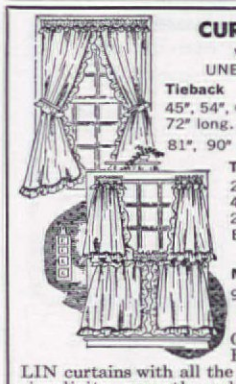

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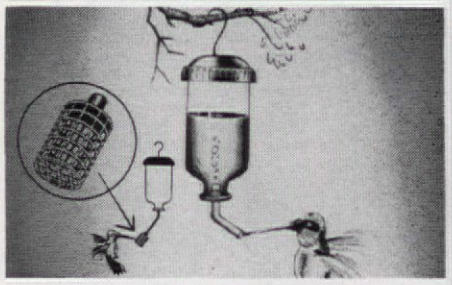

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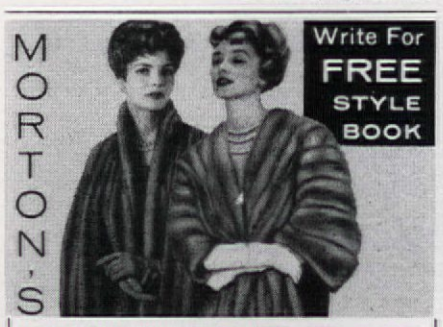

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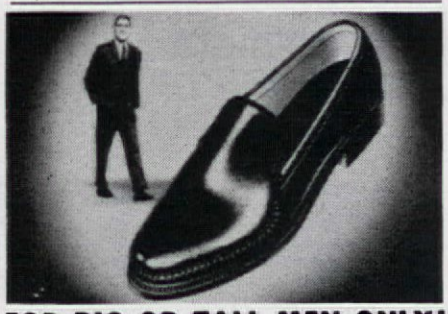

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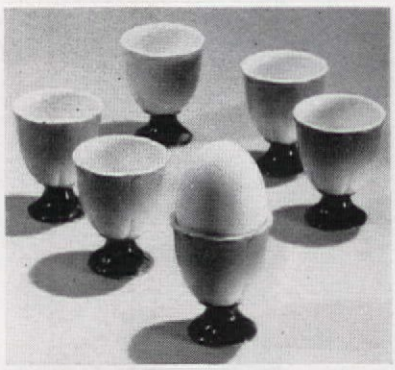
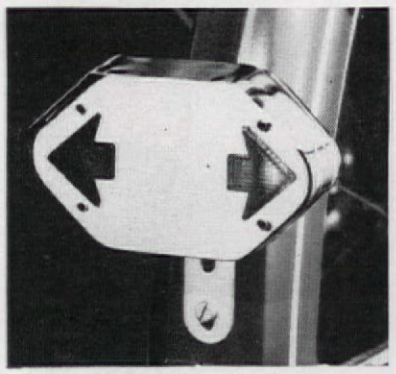
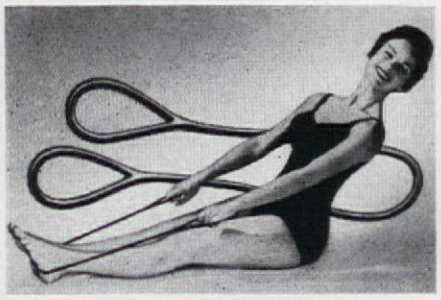


POINT THE WAY to safe driving by attaching this directional signal to your child's bike. With just a flick of the controls, the battery-operated device lights up with a right or left arrow—just like dad's car. Kids love the grown-up feeling; parents love the extra safety. $1.29, not including batteries. Order from Spencer Gifts, 601 Spencer Building, Dept. AH3, Atlantic City, N.J.





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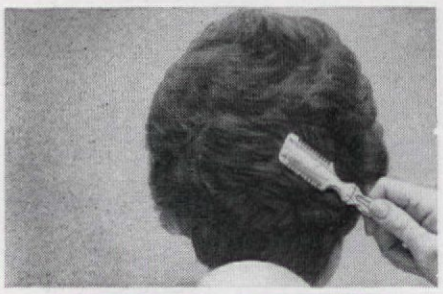

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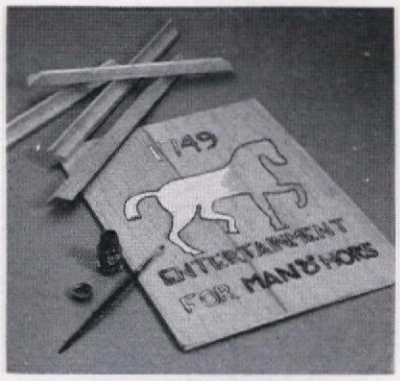

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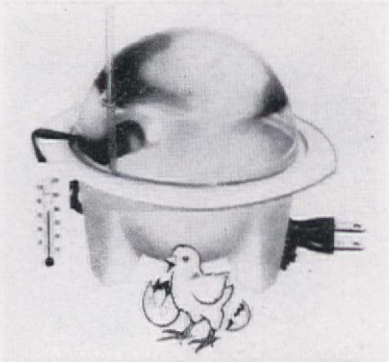

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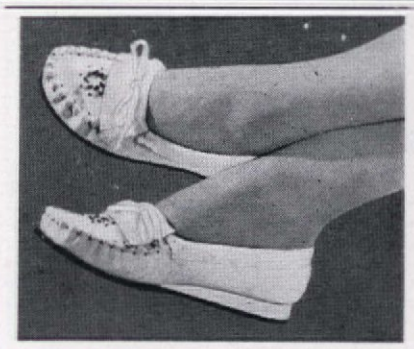

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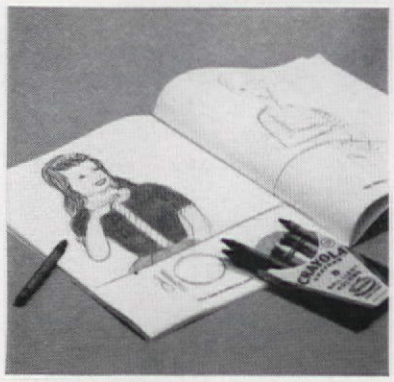

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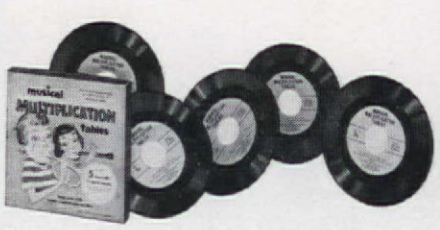

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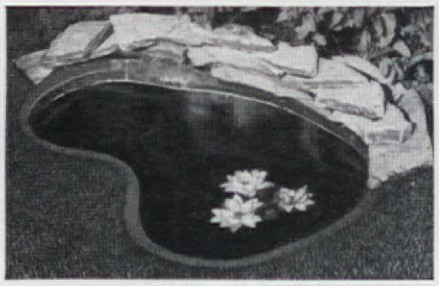

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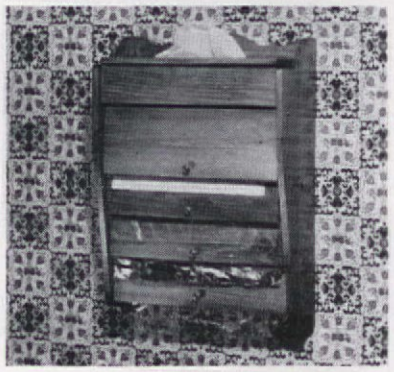

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CANDLE INSTITUTE, Dept. X-967, Fallbrook, Calif.

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Sensational bargain! Your name and address handsomely printed on 1000 finest quality gummed labels. Padded—packed with **FREE,** useful Plastic **GIFT BOX.** Use them on stationery, checks, books, cards, records, etc. *Beautifully printed* on finest quality gummed paper—*1000 only $1.* **SPECIAL—SAVE MONEY! ANY 3 DIFFERENT ORDERS $2.** Makes an ideal gift. *Satisfaction guaranteed* or your money back.

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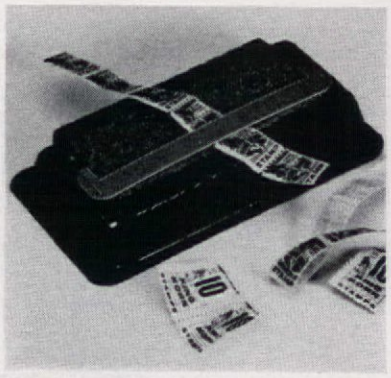
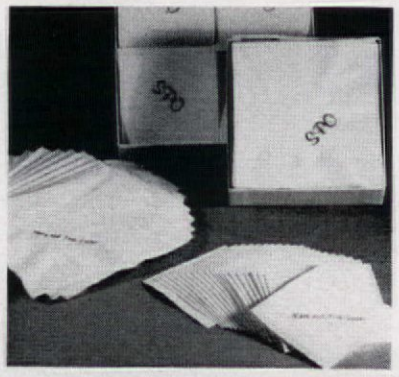
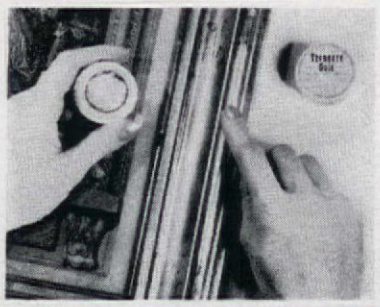
TAKE A LICKING device like this Stamp Licker to help you get those loose trading stamps pasted in their books as quickly and easily as possible. One at a time or in strips, the stamps fit under a plastic band and are pulled over a moistened foam pad. A quick zip, and they're ready for mounting. Black plastic time saver is $1. Sunset House, 71 Sunset Building, Beverly Hills, Calif.



HAVING A PARTY? Whether it's a few friends for tea or a real wingding, you'll need the help of some hard-working coasters and napkins. These, of white tissue, are as elegant as can be. Your name (up to 25 characters) or monogram is printed in gold or silver. In boxes of 50, coasters and 10" napkins are $1.50 each plus 15c post. American Stationery, 2001 Park Ave., Peru, Ind.



SPRING CLEANING time is here, but this year it can be a little easier. Use plastic Kleen-Tong to wash and rinse both sides of Venetian blinds in one stroke—without taking them down. The airfoam rubber facing picks up dirt even behind the tapes, and the long handle protects your fingers from cuts. $1. Walter Drake, AH-14 Drake Bldg., Colorado Springs, Colo.



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For Decorating & Restoring GOLD LEAF

Treasure Gold is the original non-tarnishing gilt in wax form. It can be used on almost any surface — wood, metals, plaster, leather, plastics, ormolu, statuary. Easy to use; simply apply with finger or cloth, let dry one minute, buff with soft cloth to a fine lustre. Dries immediately; permanent; ideal for decorating, "antiquing", highlighting. Also available in silver. 1¼ oz. jar, $2 ppd.

CONNOISSEUR STUDIOS, P. O. Box 7187, Louisville 7, Ky.

THE AMERICAN HOME—FUGAZY TOURS

THE HISTORIC HOMES OF NEW ENGLAND. For the first time we offer you the opportunity to participate in an exclusive *American Home*-approved Fugazy tour designed to introduce you to the true birthplace of America. Although the homes featured in our story are not themselves open to the public, here is your chance to visit Deerfield, Massachusetts . . . Concord . . . Lexington ("the shot heard round the world") . . . Sturbridge Village . . . and many other exciting, authentic sites which are the foundation of our own American freedom.

FLORIDA TOUR. Are you considering buying a home or property in Florida? Here, as part of this special escorted tour, is your chance to visit first-hand Florida's myriad mushrooming communities and to meet Florida's leading builders and land developers. Take this opportunity to investigate the top designs in Florida homes . . . to decide for yourself whether or not your place is in Florida's easy elegance, designed for leisurely living.

Dept. ATM, American Home Building, Forest Hills 75, N. Y.
Please send me details of The American Home-Fugazy Tours I have checked.

Tour #1.....The Historic Homes of New England
Tour #2.....Florida Tour

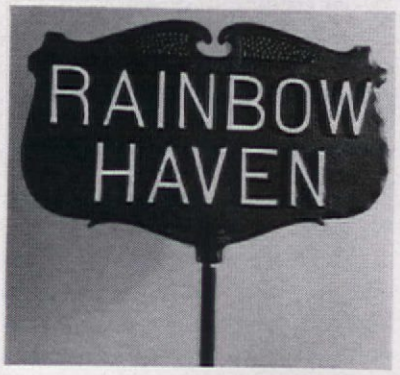
Print Name

Print Address

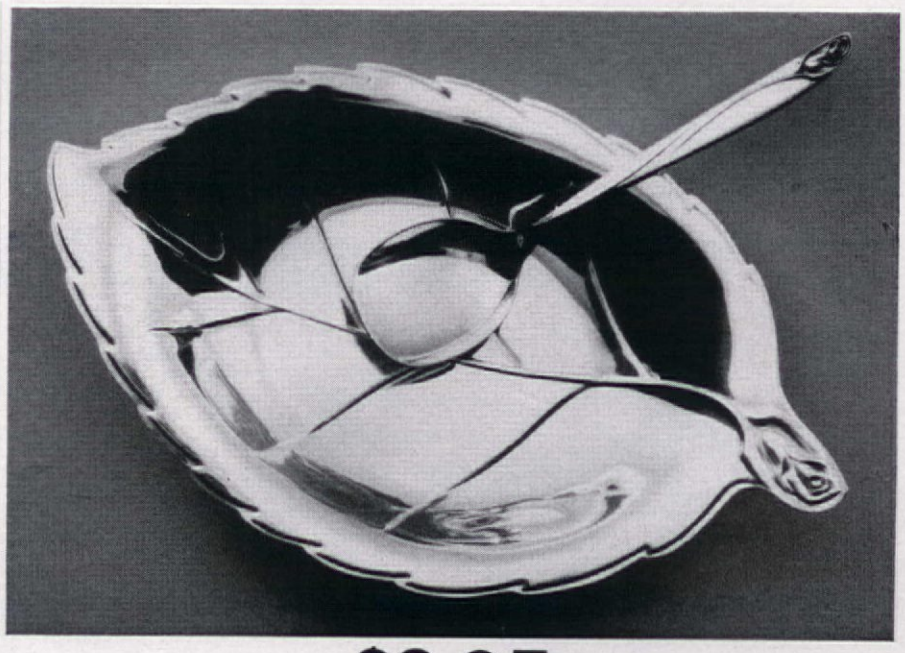
City Zone State

CURTAIN UP. Use red and white gingham curtains on the windows to add pep to a kitchen. Try these to give the most citified room the charm of a country farmhouse. Preshrunk and drip dry, with a medium-size check, they're 74" wide per pair. Specify 45", 54", 63", or 72" long. With tiebacks. $8 a pair. Valance, 10x74", $2.50. Country Curtains, Dept. AHR, Stockbridge, Mass.

THE SOFT LIFE of sitting in a rocking chair can be softer still if you cover your rocker with this comfortable pad and back set. The hand hooked pieces have a floral pattern on a beige background, bordered in a choice of red, green, black, or sandalwood. Chair pad measures 13x16". Back is 13x21". $4.95 a set. Seth and Jed, Dept. A, New Marlborough, Mass.



WELL MARKED. An aluminum lawn sign, painted flat black, has white luminous letters or numbers. Custom made for your estate, the 9x14" plaque with its 19½" post can be made up with name and address, or two other lines of lettering. Made to last, the raised lettering is cast as a permanent part of the marker. $15. Moultrie Mfg. Co., Dept. AH, Moultrie, Ga.



$3.95

(but hurry... soon this DeepSilver Party Set will cost $7.50!)

It's "Anniversary Rose," romantic new pattern in DeepSilver – rich, heavy silver-plate, lavished all over with *extra* silver. The 9" rose leaf dish with serving spoon is great for jellies, relishes, dips. The Party Set introductory price is only $3.95.

Free $18 Gift Certificate is yours when you order the Party Set. This is good for 8 iced drink spoons, or 8 cocktail forks, or 8 butter spreaders, if you buy a basic 52-piece set of "Anniversary Rose" from your silverware dealer.

New "Anniversary Rose" Pattern in DeepSilver by International

See your Silverware Dealer or mail coupon to: Anniversary Rose, Box 382, Wallingford, Conn.

How many Party Sets?____ Enclosed $_____
($3.95 for each 2-piece set, Fed. Tax included.) Send cash, check or money order; no stamps please. Offer good only in Continental U.S.A. until June 30, 1963.

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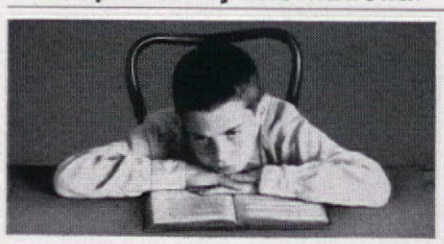
COLORFUL METAL ENAMELWARE FOR INDOORS-OUTDOORS

Sensational when "informality" is the keynote... fireside parties, cook-outs, square dances...this stunning, mottled enamelware from Hong Kong is also mighty decorative for display when not in use. Choose yellow, green or blue, all with white. 32 Piece Service for Eight: 8 dinner plates, 8 soup or salad, 8 oversize mugs, 8 fruit or dessert, **14.95.** Coffee Pot, **3.99.** Tea Pot, **3.99.** 4 12 oz. mugs, **2.99.** 4 12 oz. mugs with lids, **3.99.** 2 qt. Casserole, **4.49.** 4 qt. Casserole, **5.99.**

On Set add 85c postage. Fla., La., W. of Miss.

HERE'S HOW CO. Dept. A-3, 15 West 26 St., New York 10, New York



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See how *The Sound Way to Easy Reading* can help him to read and spell better in a few weeks. New home-tutoring course *drills* your child in phonics with records and cards. Easy to use. University tests and parents' reports show children gain up to *full year's grade* in reading skill in 6 weeks. Write today for your free illustrated folder and low price.

Bremner-Davis Phonics, Dept. G-4, Wilmette, Ill.

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No. Dartmouth, Mass.

SAVE 50%

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3 ROOSTER HOOKS . . . $1.95 ppd.

Chanticleer Hooks of metal; plated in golden brass or antique copper. 3" tall to hold a skillet, towels, pictures. Matching mounting screws included.

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WILLIAMS STAMP CO., Dept. 3AHC, St. Stephen, N.B., Can.
Rush Free Canadian Commemoratives, other offers for inspection. Enclosed 10c for handling. (PLEASE PRINT)

WS FOR YOU/WE'VE GOT NEWS FOR YOU/WE'VE GOT NEWS FOR YO

DO-IT-YOURSELF WINDOW SHADES. A new solution is available that will stiffen any fabric to shade strength—a fine idea for those who want to match shades to bedspread or slip cover. All you do is dip the fabric in the solution, then iron, cut to shape, hem, and tack to roller. One bottle (about $2.50) makes two regular size shades. Called Decor Shade, by Russ Stonier Designs, it is now in drapery departments of major stores and will soon be sold in drapery, shade, upholstery, and wallpaper outlets across the country.

INSTANT HOT OR COLD WATER. A new built-in appliance by the Rangaire Corp. provides instant piping hot or icy cold water at the touch of a button. You can have tea, instant coffee or hot drinks the moment you want them . . . or deliciously cold ades and juices at the touch of the cold button. The "Quick Temp" appliance fits into any cabinet, requires a minimum of space. Price: $299.95.

INCOGNITO IRONING EQUIPMENT. All your ironing equipment is concealed in the Swanson Company's new Hide-A-Way Mobile Ironing Center. Housed in a metal compact cabinet—15″ wide and 23″ deep—the center includes an ironing board which flips out to a 33″ work height. There's a built-in plug and storage area for the iron, cord, and cord holder. A compartment, on the bottom of the cabinet, can be used to store spray starch, distilled water or other necessary items. The cabinet rolls to desired working location. Available in free standing or built-in models, and in a wide variety of colors—or with wood door front kit for matching to cabinet finishes. Prices: $69.95 to $93.50.

THE SHOWER NEEDS NO CURTAIN! A new concept in shower design that eliminates doors, curtains, corners, and splashing on the bathroom floor has been introduced by Swan Enterprises, Inc. The Shell Shower has a curved entrance to an easy-to-clean rounded shower area, giving you an open but completely private shower. It's unusually sanitary—resists mold, fungus, or corrosion. The shower is gracefully designed of molded fiber glass (available in four colors), with plastic base and non-skid safety surface. The unit can be installed with a minimum of labor and time because it is easily fitted together and sealed at the job site—without lead shower pan or grouting. It takes a floor area of 4′6¼″x3′4½″. Contact your local builder or contractor for more information about the Swan Luxury Shell Shower.

NEW TRADE-YOUR-HOME PLAN. How would you like to be able to buy a $14,000–$19,000 home and receive a guarantee that you can trade it in for a more expensive custom-built home at the full price you paid. In other words get "free rent" for up to five years.

That's what Denver subdivision builder J.J. "Lou" Carey, president of the new Nation-Wide Home Plan, Inc., has been offering for over a year in Colorado.

Starting in 1963 this trade-up agreement is going to be extended to selected builders in other cities all over the country. It will even be possible by dealing with Nation-Wide's affiliated builders to purchase a $14,000 to $19,000 subdivision home and receive a guarantee that anytime in five years it can be traded in for a more expensive custom-built home in a distant city.

A LIGHTNING PROTECTOR by General Electric, installed at the fuse box, affords protection from lightning which strikes near your property and damages electric wiring, appliances, and apparatus. Insurance statistics show that this type of lightning accounts for 95 per cent of lightning damage claims.

The new lightning protector sells for less than $10 plus installation charges, needs no maintenance, and is guaranteed for life.

PORTABLE BATH-LIFT will be a boon if you have an elderly or infirm person living with you. The unit is a chair which raises and lowers a person in any conventional bathtub. No permanent piping or installation changes are required. The chair operates on normal water pressure at the tub filler spout and has no complicated mechanical parts or electrical connections. It weighs just 26 pounds and can be removed easily from the tub when not in use. By American Standard.

ALICE THROUGH THE LOOKING GLASS may be more factual than fictional. With the growing number of window walls, picture windows, and sliding glass doors there is a growing number of accidents where both adults and children plunge through the almost invisible glass.

To cut down on the accident rate FHA has created new minimum property standards for glass. The most significant feature is provision for some form of safety glass—tempered, laminated, or wire glass of specified minimum thickness for all large glass areas, doors, and walls in shower stalls or tub enclosures.

IF YOU LOVE COPPER, but hate the idea of constantly polishing it, you will be happy to hear of a new development that promises to produce a tarnish-free finish. According to the International Copper Research Association, the new coating (which has been successfully field tested for three years) can be applied to both existing products and newly manufactured ones. This coating is not good for any product coming in direct contact with heat such as pots and pans. The coating will last indefinitely when used indoors and there are indications that it can be improved for outdoor use.

STATIC ATTRACTS DIRT! Have you noticed that very often housewares or toy departments will have a table of "special priced" polyethylene products marked down because they are dirty? You may decide to buy something like an ice bucket or a toy elephant—take it home and find it's impossible to clean. The reason for this is that molded polyethylene is particularly susceptible to the build-up of electrostatic charges. The static attracts dust and dirt to the surface of the product and the adhesion is so great, in many cases, it cannot be scrubbed clean. The Armour Industrial Chemical Company has recently developed new antistatic agents which will eliminate this problem. When blended with the polyethylene resins in the production of containers, toys, housewares, and furniture, the products will stay cleaner longer. Danger of fire, often caused by static charges, will be minimized, and the conditioning will reduce nesting problems by keeping items, such as pails, from sticking together when stacked.

CLEARS THE AIR AUTOMATICALLY. In your haste to prepare meals for your family do you sometimes forget to turn on the ventilating fan? The Emerson Electric Manufacturing Company has introduced a new "thermomatic" range hood that won't let you forget! When the control is set for automatic the hood turns itself on when the range is turned on. When the range is turned off the fan continues to operate until all heat, smoke, and cooking odors are cleared from the room. The homemaker has the choice of two speeds and the option to use the fan for automatic or manual operation. The "thermomatic" can be matched to your color scheme or is available in a variety of finishes. The range hood comes in 30″, 36″, and 42″ sizes and vertically exhausts through a 7″ round duct. Prices: Approximately $50 to $82.

Printed in U.S.A.

HOW TO make a teenager's room colorful and sunny for very little money

America's favorite—the finest dye money can buy!

It's easy in your washer with new formula RIT. No boiling! No stirring! No streaking!

RIT Chartreuse RIT Royal Blue RIT Kelly Green RIT Gold

If you've never dyed with RIT you haven't lived! No other dye—only RIT—has all these 3 important essentials: 1) More dyeing power. 2) True color balance. 3) Quick dissolving right in hot tap water. More dyeing power means you get fresher, brighter, more enchanting colors like RIT Chartreuse, Royal Blue, Kelly Green and Gold.

RIT Ecru RIT Yellow RIT Cocoa Brown RIT Orange

RIT's true color balance means you get the shade you want for all dyeable fabrics—cottons, linens, woolens and most synthetics. In this lovely room—curtains dyed RIT Ecru, and bedspread and rugs done in RIT Yellow—go beautifully with RIT Cocoa Brown and RIT Orange for a "sun"day look all week. Let your Junior Miss choose her own colors. RIT has 35. All terrific.

RIT Rose Pink RIT Scarlet RIT Pink RIT Orchid

RIT is quick dissolving. No boiling. No blotching. No streaking. You dye big bulky things in your washer, smaller ones in your basin. Today, do some cushion covers or a little rug. Tomorrow, make a whole room bloom—perhaps like this one, in RIT Rose Pink, Scarlet, Pink and Orchid. It'll cost you so very little—get you loads of hugs!

Dyeing with RIT® is fast, fun . . . almost foolproof!

White glove test shows frying right in New Crisco gives

digestible fried foods with no greasy taste!

No grease on the glove! No greasy taste in the French fries! So digestible! These unretouched photographs show how potatoes fried right in new Crisco have so little grease after normal draining, you can actually pick them up with a spotless white glove—and see no grease.

Highly unsaturated new Crisco has an exclusive vegetable formula with added, special protection against greasy taste. No other shortening has Crisco's exclusive formula! Everything you fry and bake right in Crisco is extra delicious . . . with Crisco's famous digestibility.

And how reassuring to know that new Crisco is highly unsaturated . . . with double the preferred unsaturates many scientists believe are better for you.

Crisco is America's finest vegetable shortening—contains no animal fats. Try new Crisco for digestible fried foods with no greasy taste.

CRISCO
- EXCLUSIVE VEGETABLE FORMULA
- HIGHLY UNSATURATED
- SO DIGESTIBLE