The AMERICAN HOME for August

25¢

Are we raising a GENERATION OF VANDALS?

Garden Spot

Gather a bouquet of Cannons—thick with thirsty blossoms and grow a flower-bed in your bathroom! Towels like these flourish season after season—and come up smiling-soft, petal-bright. Hard to believe, but they're priced for bargain-hunters—along with many other Cannon buys marked from about 39c to $2.95.

Cannon Mills, Inc., 70 Worth St., New York 13, N. Y.

TRADE MARK
MADE IN U.S.A.
CANNON
Towels • Sheets • Stockings • Blankets

"It's fun to be a Model Mother!" says Taffy Wood

Making fashion headlines is the new Sally Victor hat that Taffy models . . . with its soft green veiling and white lilac clusters. Equally beguiling is Taffy's sunny smile . . . the smile she keeps so bright with Ipana Tooth Paste. How wise of Taffy! For more dentists recommend and use Ipana than any other tooth paste, a recent nationwide survey shows.

And she's a natural . . . with a "model" smile that owes so much to her Ipana dental routine!

JUST A YOUNG Riverdale, N. Y. mother? Yes—but a famous fashion model, too!

That's green-eyed Taffy Wood, whose heart-shaped face and sparkling smile have made her a favorite with top-flight fashion photographers.

Taffy is terrific in close-ups (not an easy job—you can't fool a camera at close range!) and she loves to do fashion shows. Like all successful models, she knows how important a "model" smile is to her career.

No wonder, then, that Taffy takes no chances with her precious smile! Even at her busiest (and she has two lively youngsters to take care of!) she never misses her prized Ipana dental routine: *Regular brushing with Ipana, then gentle gum massage.*

Taffy's is the routine of so many successful models. Get started toward a "model" smile yourself—get a tube of Ipana today.

Daughter of a tennis champ, Taffy gets 6-year-old Melinda off to a good start on the courts. Off to a good start, too, when it comes to sound dental care. For Mommy knows that firm, healthy gums are important to sparkling teeth. If *your* gums flash a warning tinge of "pink," *see your dentist.* Let him decide whether yours is a case for "the helpful stimulation of Ipana and gentle massage."

Follow your dentist's advice about gum massage. Correct massage is so important to the health of your gums and the beauty of your smile that 9 out of 10 dentists recommend it regularly or in special cases, according to a recently completed national survey! *Help your dentist guard your smile of beauty.*

P. S. For correct brushing, use the DOUBLE DUTY Tooth Brush with the *twist* in the handle (pictured above). 1,000 dentists helped design it!

IPANA TOOTH PASTE

Products of Bristol-Myers

for your Smile of Beauty

You don't have to coax to get Melinda and Sheila out for a ride. No coaxing needed when it comes to Ipana, either . . . the whole family loves its lively, refreshing flavor. Try Ipana—*you'll* love the way it leaves your mouth so much fresher, your breath so much cleaner, every time you use it!

"Happy . . . Lazybones?"

"You can bet I am, Dorothy. What a wonderful vacation this has been for all of us!"

"It certainly has, and I hate to see it end."

"Well, someday, you and I are going to take a *permanent* vacation, when we retire on my life insurance."

"Your life insurance? But I thought that was supposed to take care of the children and me . . . just in case anything ever happened to you."

"That's very true, darling, but it works two ways: If I'm taken out of the picture, The Mutual Life will send you a check every month; but my life insurance will also provide a comfortable retirement income for you and me when we want it later on. That's why we've got *Insured Income* . . . it takes care of all our needs."

* * *

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VETERANS: KEEP YOUR "G. I." LIFE INSURANCE!

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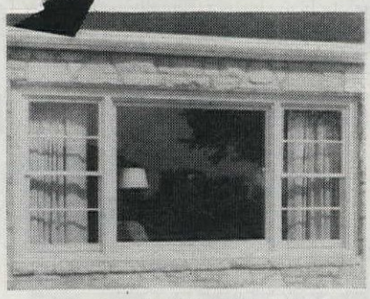

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Washes dishes sparkling clean. They dry in their own heat!

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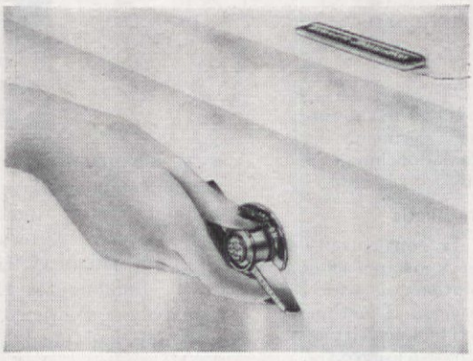
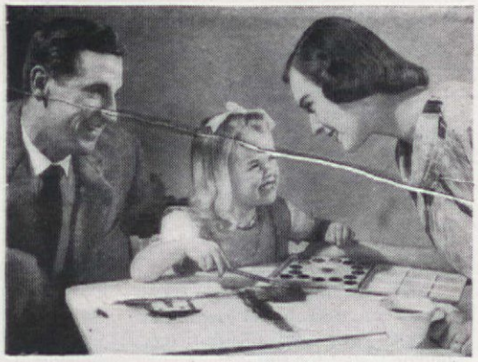


2. No more rough, red hands! You never touch dishwater. Just turn the switch and the Dishwasher takes over—*automatically* washing and rinsing dishes in water hotter than hands can stand.



3. Gives you new hours of freedom! You're no longer a slave to a dishpan. The Dishwasher thoroughly cleans and rinses each piece *cleaner than by hand*. Safely, too—only the water moves.

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• • •

NOTE: The Dishwasher is available either in a complete sink, or as a separate individual appliance for installation in your new or present kitchen. General Electric Company, Bridgeport 2, Conn.

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DOES THE DISHES BY ITSELF

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Is your daughter ashamed to ask about these *Intimate Physical Facts?*

Before She Marries—Make Sure She Learns
The REAL TRUTH!

Mother! Your daughter has a right to know how necessary vaginal douching often is to cleanliness, health, marriage happiness, to combat odor, and after menstrual periods. In fact, today it's *not* a question of douching but rather *what* to put in the douche.

And certainly BOTH you and your daughter should realize NO OTHER type liquid antiseptic-germicide tested for the douche is so POWERFUL yet so SAFE to tissues as ZONITE. Scientific tests have proved this to be so!

Developed By A World-Famous Surgeon and Scientist

Pity the old-fashioned woman who, from ignorant advice passed along by friends, still uses salt, soda or vinegar for the douche. Foolish girl! Doesn't she realize these 'kitchen makeshifts' are NOT germicides in the douche—that they never can give the great germicidal and deodorizing action of ZONITE!

Some day you'll realize the importance of using a germicide intended for vaginal douching. So why not benefit by ZONITE *now?*

A Modern Miracle

ZONITE positively contains no phenol, no mercury, no harsh acids—overstrong solutions of which may damage tissues and in time even impair functional activity of mucous glands. You can use ZONITE as directed *as often as needed* without the slightest risk of injury. ZONITE is absolutely *non-irritating, non-poisonous, non-burning.*

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contributors

● ● ● CALEB HORNBOSTEL, architect, and Jean P. Trouchaud, designer, "tried to build modern homes for the G.I.'s . . . to accomplish this, a corporation was formed, and we acted as architects, designers, builders, financiers, property owners, etc. The outcome was three small modern houses built in Massapequa, Long Island." One of these is this month's Cover House. Mr. Hornbostel is a graduate of Carnegie Institute of Technology, 1929, and of L'Ecole Des Beaux Arts, Paris, D. P. L. G. After working in the offices of Norman Bel Geddes, E. A. Dennison, and for the New York City Housing Authority, he started his own practice. He won the Wheaton College Art Center Competition with Mr. R. N. Bennet, then established the firm of Hornbostel and Bennet, one which functioned until the war. This year, with associates, he won third prize in the Jefferson National Expansion Memorial Competition.

● ● ● NORMAN J. RADDER'S first assignment, upon starting with Plumbing and Heating Industries Bureau, in May, 1928, was to write an article for THE AMERICAN HOME, one entitled "Building for Health," which appeared in February, 1929. Previously, he had taught journalism at the University of Indiana, worked on newspapers in both New York and Philadelphia, and written a book on journalism. He wishes to acknowledge the help of Harold A. Lockhart, Chief Engineer, Bell and Gosset Company, and of H. F. Randolph, Vice President, International Heater Company, also Chairman, Engineering Committee, Institute of Boiler and Radiator Manufacturers in the preparation of this month's "American Home Primer," co-authored with James Oest, page 59.

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City_____ Zone____ State_____

Mary Louise Shine's smile wins recruits for a proud profession!

Mary Louise Shine, R. N., didn't know she was qualifying as a photographer's model when she graduated from the Georgetown University School of Nursing in 1945. But, remembering her cheering smile, former patients won't be surprised at her selection as a Model Nurse. Her picture is appearing now in newspaper and magazine ads, and on billboards all over the country...inspiring young Americans to join the proud nursing profession. A Scarsdale, N. Y., girl, Mary Louise is the recent bride of a Chicago doctor. And she says, the tooth paste she buys for her honeymoon apartment is the same brand she always used at home — Pepsodent. Yes, Mary Louise Shine's winning smile is a Pepsodent Smile!

The smile that wins is the Pepsodent Smile!

Mary Louise Shine knows it—and people all over America agree—the smile that wins is the Pepsodent Smile! New Pepsodent with Irium is their 3-to-1 favorite for brighter smiles.

Wins 3 to 1 over any other tooth paste—families from coast to coast recently compared delicious New Pepsodent with the tooth paste they were using at home. By an average of 3 to 1, they said New Pepsodent tastes better, makes breath cleaner and teeth brighter than any other tooth paste they tried. *For the safety of your smile use Pepsodent twice a day—see your dentist twice a year!*

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Do you have a winning smile? If Pepsodent Tooth Paste has helped your smile and career—send your picture and story to Pepsodent, 141 W. Jackson Blvd., Chicago 4, Ill. If used you will receive professional model fees.

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Pard has been proved by the ultimate in nutrition tests—actual feeding to generation after generation of dogs in Swift's famous experimental kennels. These dogs were fed Pard and water only—not one dietary illness ever appeared. Reproduction normal. Remember, 4 out of 5 common dog ailments are caused by inadequate diet. So play safe! Feed Pard, the "one-dish-dinner"!

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Pard contains every known essential for balanced nutrition!

contributors

● ● ● **ROBERT L. FOREMAN,** as Vice President in charge of the Radio and Television Copy Department in the advertising firm of Batten, Barton, Durstine & Osborne, either writes or supervises the writing of the "interruptions" on such programs as Sam Spade, Inner Sanctum, Red Skelton, Fred Waring. He also is responsible for the airing of such jingles as "Chiquita Banana," and has sold articles and short stories to several national magazines. He has a wife, two children, and a dog; likes fishing, dislikes mowing lawns, and is "quite fond of Early American furniture, glass, etc., much more so than my wife" though you might not suspect it from his article: "New England Used To Be the Home of Antiques."

● ● ● **DOROTHY C. SALISBURY** has degrees from St. Lawrence University, Cornell University, and the Library School of the University of Illinois. She has served as college librarian in New York, Oklahoma, and Pennsylvania. For the past five years she has been a homemaker in a suburb of Washington, D.C., her extracurricular interests being church- and civic-club work, and writing. She contributed our "Neighbors" feature, "The Closet of the Good Samaritans."

● ● ● **EDWIN WAY TEALE,** who contributes the remarkable insect photographs for the two articles, "G-Men of the Garden" and "Are the Ants Laughing at You?", was born in Illinois, educated at Earlham College and Columbia University. He has spent a dozen years studying and photographing insects on Long Island, bringing his total of nature pictures to 20,000, his list of books to 10. His photographs have appeared in magazines here and abroad, in text books, and encyclopedias. Recently, he traveled 17,000 miles through 23 states, gathering material and pictures for a forthcoming nature book.

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contributors

● ● ● PIERRE-ANNE TOWERS was born in France, received her education at the Sorbonne and at Oxford. She loves flying, white flowers, music and old maps. Her knowledge of Hawaii is extensive, for she has made several trips to the Islands before and since the war. Her husband was the Commander in Chief, Pacific Fleet, and she was "First Lady" for the year during the Bikini experiments. Now, she lives in New York, and writing, such as "Barbecue—Luau Style," is her greatest interest.

● ● ● ALBERT F. BLAKESLEE (A. B. Wesleyan, Ph.D. Harvard) who tells "What Happened When Susan Went to Smith," is one of the country's most eminent research geneticists, a past-president of the American Association for the Advancement of Science. He taught at the University of Connecticut, then was for years with the Carnegie Institution's Department of Genetics on Long Island, retiring from its directorship in 1941. He then established and became director of the Smith College Genetics Experiment Station, where fundamental principles are being discovered, studied, and applied in developing improved plants. He pioneered in the use of colchicine in creating new species of plants, being awarded a gold medal for his work.

● ● ● ELBERTA WAGNER FLEMING author of "G-Men of the Garden" says, "One lovely moth diverted me from my career of fashion artist-designer to 'bugologist'." She studied entomology, marine zoology, museum techniques, and scientific illustration. Her interests are bugs and babies, writing and illustrating books for children, natural history, art, photography. Her ambition is to correlate this background in the establishment of a children's museum, using natural history and crafts as weapons in the fight against juvenile delinquency.

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a. compote
b. candy dish

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EDWARDS *Door Chimes*

letters

In the February issue of THE AMERICAN HOME I read a short article "My Husband Procrastinates." As a husband who has been accused verbally, with arch looks, and of late, by finding the February issue of T.A.H. propped open to page 17 in my easy chair, I object. My thesis, in a few words, is: He who hesitates may think better of it.

My beautiful wife greets me at the door after a hard day at the office with a big kiss, a cooling drink, and the evening paper. She insists that I sink into the easy chair and relax while she puts the finishing touches on dinner. Ah, she's wonderful. I glance guiltily at Blondie to feel a moment of commiseration with Dagwood, turn to the headlines, and am usually deep in my nightly difference of opinion with Westbrook Pegler when the call comes.

"Darling, would you see what you can do with the vacuum cleaner? It wouldn't work today."

I toss out a pathetic bid for a few minutes of ease. "Now, Dear?"

Fully aware that she's taking unfair advantage, she says, "Oh, are you *still* reading?"

I will spare you the details, but three minutes later finds me in the workshop staring deep into the interior of the vacuum cleaner.

"What," I shout, "seems to be the matter with it?"

"Oh, it's the doohinkus. It doesn't click when I press the blatus."

I plug the cord in the shop outlet and the motor starts. I give it a few licks at the floor under the work bench, and sure enough, it picks up every shaving with no difficulty at all.

"It's fixed, Hon. There was really nothing to it."

"That's funny," her voice drifts back, "it wouldn't work this afternoon. Would you mind running it over the rugs I left down there?"

I have discovered an antidote to the fast shuffle cited above and hereby offer it to fellow sufferers.

Last week, when the clarion call came to check the motor on the washing machine, I checked, instead, the pile of soiled linen in the hamper. "Oh no," I said, "she wouldn't!" Still, it was bridge club day— So I inaugurated the office gossip treatment. "By the way," I said, easing onto the kitchen stool, "Jerry left for Chicago today." It worked.

We men do procrastinate, perhaps, but we're not lazy. Only three week ends ago my neighbor Jim Dolan and I made a tricky scale model airplane. Right in the midst of our project, Mrs. D. and Mrs. C. marched into the workshop with a broken ironing board, two deck chairs, and a coffee table. They dumped their booty and marched out without a word. We later heard them giggling in the living room over a game of gin rummy.

On the whole, though, we can't complain. Jim and I worked out a system last night which ought to handle everything. One night a week will be set aside for things that need repair in our respective homes. The girls said they thought the plan showed promise. "When," they asked, "do you intend to begin?"

Jim looked at me. I looked at Jim. "Oh, how about next week?"

And, for some reason known only to women, our wives laughed.

—FRANK CAMPBELL

I used to be one of those "busy" husbands who put off home repairs until I could "get a few minutes." Aggravating jobs such as repairing frayed lamp cords, broken toys, or faulty plumbing used to pile up like mad. Then one day I hit upon a system to end this confusion.

First I nailed a piece of soft wallboard to the basement wall next to my workbench. This served as a bulletin board. Close by, also nailed to the wall, was a tobacco tin filled with three-by-five cards, a pencil, and some thumbtacks.

Next I cleared a portion of my workbench and designated it the "Repair and Maintenance Department." (Now known as the RMD.) Here I assembled the tools most likely to be used in home repair work. This included a leather pocket which fastens to my belt; I made it for the purpose of carrying an assortment of tools to the job. It was copied from the type electricians and telephone men wear.

Last and most important of all, I signed a contract with myself to set aside certain hours for RMD work. These hours are kept as religiously as bowling night or lodge meeting.

Repair jobs are scribbled on the cards and tacked to the bulletin board. This is done as the jobs become apparent. Soon the rest of the family will get the idea and jot things down as they come to mind when you are not around. Sounds like leading with one's chin, but it does stop those complaints from coming around just as you are about to settle down with a good book. Best of all, it lets you pick a job to fit the mood of that particular moment.

All right! you've chosen your project from the already large collection tacked on the board, you've pocketed the tools you'll need, and you start out like Jack after the Giant.

Suppose, now, that the first job is done. You go back to RMD and destroy that card, reorganize your tools and proceed to the next one. But you're in the middle of this job when you discover the lack of

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My two first loves...

(Next to my husband and children)

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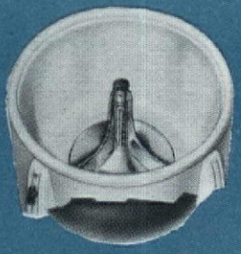
really gets clothes clean!



• My entire week's wash is whisked away in an hour or so. Every 7 to 10 minutes a full load is turned out, sparkling clean. The same tub full of hot suds is good through my entire wash — the double-wall tub keeps the water piping Hot. Yes, I really *love* my Speed Queen washer.

2 MY SPEED QUEEN IRONER
cuts my ironing time in half!

• When I think of the hours I've spent doing my ironing by hand! How my back and feet used to ache. Hooh! Now it's like a wonderful dream. I just sit comfortably at my Speed Queen Ironer—and let the machine do the work in *less than half the time!* No, it didn't take me long to fall in love with my Speed Queen Ironer.

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letters

a necessary part. Drop the job, leave the card on the board for future reference, and tackle job three. This way you won't be wasting "company time" for special errands.

The RMD at our house has been in effect only a couple of months. In that time I've repaired items which have been waiting two years for attention. And now I have a clear conscience when, during "off hours" I want to take a nap, read, or just sit.

Already the bulletin board is getting bare, and there is hope for shorter hours and more pay. By more pay I mean the satisfaction I get from seeing the sparkle in the eyes of the family as the jobs get done.

—HOWARD L. JENKINS

It was with much interest that I read comments by Clara G. Sanders on this husband "procrastinating" business. It is all so amusing and so true. . . . The darning problem is a task for many, many women, but perhaps I can offer a simple solution. In return for help in the dish-wiping after the evening dishes, the least I can do is to lay out a clean pair of socks for tomorrow. . . . When they do give out. . . . I lay them aside in a big paper bag until a "sit-down job" comes along. . . . Then the socks are cut round and round, about ¾-inch to one-inch wide strips. . . . I sew these together on the ends and some other time I start a crocheted rug. . . . I write this in hopes it will help some deserving wife out of a sock-mending dilemma.

—MRS. WALTER L. CONE

I am one of the majority of women —those who do all of their own housework. I resent the work because houses are built more for material beauty of architectural design than for their original purpose—a shelter. . . . As they are designed today, almost the entire time and energy of the homeworker is taken up with the secondary business of keeping up appearances, leaving too little time to intermingle spiritual or mental guidance with the physical labor. . . . To overcome this upsidedown condition and still keep a pleasant, clean home, we need a structure designed *first* from the work point of view. . . . Gathering all of the equipment together would help a lot . . . two areas for dining require double time to keep clean. One easily accessible spot, suitable for company, too, would cut the labor in half, besides helping subdue the slap-dash manners so easily developed in the kitchen corner in full view of preparation and serving debris . . . and the whole family would benefit by the improved temper of the homekeeper. . . .

—MRS. FRANK E. WILLIAMSON

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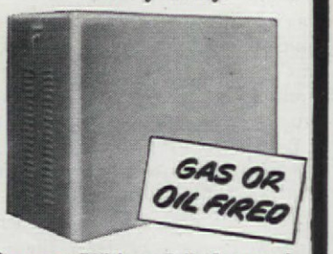

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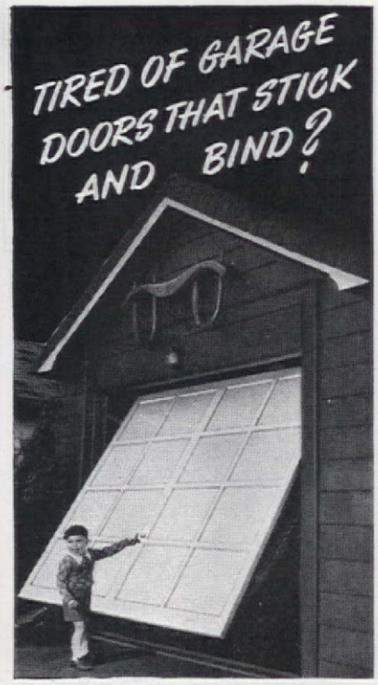

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The Little Farmer by Margaret Wise Brown, illustrated by Esphyr Slobodkina. (William R. Scott, Inc.) Price, $1.50 . . . An entrancing child's book and a gay introduction to life on a farm. All about a BIG FARMER and a very little farmer, it's printed in corresponding type to make for dramatic reading; superb illustrations.

Fireside Book of Folk Songs. (Simon & Schuster.) Price, $3.95 . . . Here, for the enjoyment of the whole family, are 147 favorites arranged for voice and piano. Delightful color pictures help to make it an absolute "must" for those who like to sing.

New Houses from Old by R. R. Hawkins and C. H. Abbe. (McGraw-Hill Book Co., Inc.) Price, $4.95 . . . Turning old houses into something in tune with the times, is a definite challenge to most of us. So if you're bitten by the remodeling bug, here's the handbook to help you. Authors R. R. Hawkins and C. H. Abbe are experts, having had years of experience converting and modernizing old buildings. The book is profusely illustrated and discusses materials, working principles, and explains in detail the mechanics of a first-class remodeling job.

1948 American Rose Annual, edited by R. C. Allen. (American Rose Soc'y.) Price (with membership), $3.50 . . . This 33rd volume in a remarkable series offers in its 264 pages, 50 articles on as many aspects of this most popular flower, and 20 illustrations, 17 in color. Important technical information is included, but emphasis is on the enjoyment of roses through all the senses—even taste!

Quick Freezing and Family Food Gardening by Gordon Morrison. (Stephen Daye Press.) Price, $2.75 . . . Simple guidance for home growers and processors of vegetables and fruits. Six chapters on the general planning, making, and care of the food garden; five on quick freezing and frozen products; four on growing and freezing particular crops.

The Insect Guide by Ralph Swain. (Doubleday & Co.) Price, $3.00 . . . A 261-page, handy-sized introduction and guide book to insects of 26 orders (meaning hundreds of families and genera) found in North America. Text about adults, young, and importance of each group discussed is supplemented by 56 pages of drawings (48 in realistic color) done by Mrs. (SuZan N.) Swain. All interested in the "G-Men" and ant articles in this issue will welcome this book.

Sorry, we cannot purchase these books for you. They may be obtained through your bookstore.

"We changed our house from HOTBOX to HOME!"

Says MRS. MYRON BANGS
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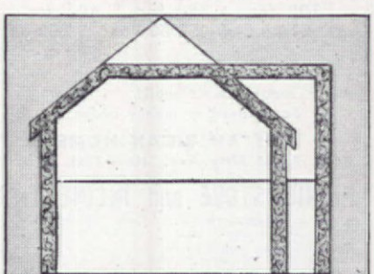
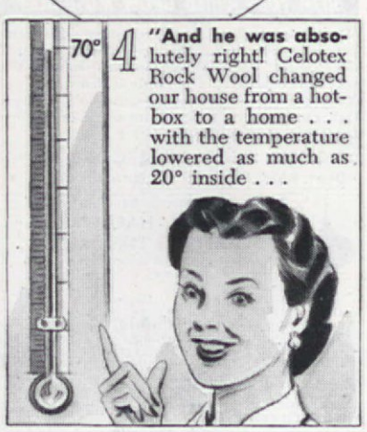
1 **"There was only one thing** wrong with our house when we bought it," writes Mrs. Bangs, a new friend of Celotex Rock Wool Insulation . . .

2 **"The house was a regular** hotbox during summer . . . it seemed to store heat during the day. We had to sit out on the lawn at night to keep cool . . .



3 **"Then we insulated with** Celotex Rock Wool. Your local applicator insulated our walls and top floor ceiling. He *guaranteed* it would cure our trouble . . .



4 **"And he was absolutely** right! Celotex Rock Wool changed our house from a hotbox to a home . . . with the temperature lowered as much as 20° inside . . .

FUEL COST—LAST YEAR

FUEL COST—THIS YEAR

5 **"When cold weather** came, we found our home much easier to heat—we've made substantial savings on our fuel. My husband and I are enthusiastic about Celotex Rock Wool Insulation!"

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the AMERICAN HOME

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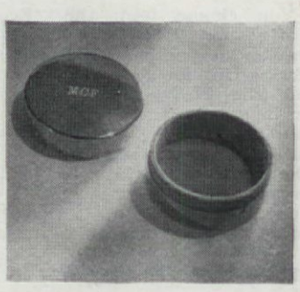
The children get it straight from the cow's mouth, and they love it: they pour milk for themselves into the mug that completes the set. Cow pitcher and mugs are amusingly-decorated, well-designed ceramic pieces light enough for a child to handle. Set—$3.95 ppd. Extra mug, $1.00. Mission Bell Potteries of Old California, 3619 No. Tyler Street, El Monte, Calif.

New wives' tale: it isn't the watching that keeps the kettle from boiling! For efficient proof: this streamlined, heavy-aluminum teakettle with a gauge to *measure* the water, 1 cup to 2 quarts; a comfortable, heat-resistant plastic handle; an automatic spout opening; and a very agreeable whistle. $2.95 ppd. Miles Kimball Co., 155 Bond Street, Oshkosh, Wisconsin.

Lush plush—gold or purple—lines this decorative little gold box that's just right for the cuff links of ladies 15 to 50 who affect French cuffs. And it's just as perfect for earrings. Round, smooth, and shining, it's 2½" wide, 1" deep, and winningly personalized with a two- or three-initial monogram. $2.50 ppd. M. C. Flynn, Inc., 43 East 59th Street, New York 22, New York.

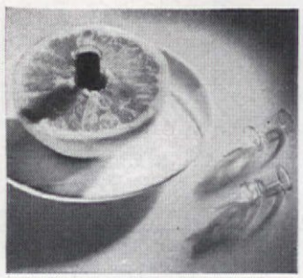


A musical baby album that does perfect justice to photographs of the youngest heir. Simulated brocade binding has transparent cover; gilt-tipped, double folders hold twelve 4" by 6" pictures. Wound with a dime, the album plays "Rock-A-Bye Baby" when opened. Comes in white, pink, blue; $12.50 ppd. G. Schirmer, Inc., 3 East 43rd Street, New York 17, New York.

Smart set: two little jugs (marked with a "V" and an "O") for vinegar and oil, a pot for mustard, of blue-gray pottery with burgundy-plastic stoppers and lid. There are matching, push-button "S" and "P", a spreader for mustard. The condiment *ensemble* is presented on a plastic tray rounded to size. $1.95 ppd. Studio Shop, 557 Boylston Street, Boston 16, Massachusetts.

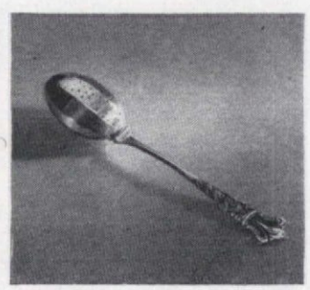
market place

Photographs by F. M. Demarest



Skol! From brunch to dinner party, celebration toast glasses serve festively, decoratively. Fill with maraschino juice for glamorous grapefruit; place around cake for the birthday toast; fill with chocolate sauce for party ice cream. 2¾" high, each holds ¼ to ⅓ ounce. A box of 12 is $3.00, plus 25¢ post. Hammacher Schlemmer, 145 E. 57 St., New York 22, N. Y.

Cool, tangy, fresh as a summer breeze off Cape Cod—the scent of this Bayberry Mist trio. There's cologne in a frosted bottle, aquamarine package; tingling Bayberry Mist-er after-shaving lotion wrapped in copper foil. Six yellow-and-green sachet balls are nested in a real scallop shell covered with fish net. Each, $2.00 ppd. Cape Cod Products, North Truro, Cape Cod, Mass.



Tea for one, or two, from a teaspoon that's just *that*. Of sterling silver enhanced by a rich "Mandarin" pattern, the teaette is a charming accessory that makes the lone cup of tea as gracious as a party. A catch at the tip keeps spoon tightly closed when filled. $4.95 includes Federal Tax and postage. George Stern Co., 191 Madison Avenue, New York, N. Y.

Kitchen-wise efficiency expert: combined in one unit, a wax-paper and paper-towel holder of metal with a baked-enamel finish. Available in white, yellow, blue or red to suit any kitchen decor, and each has the colorful "fruit sampler" design. They are durably, usefully, and very attractively constructed. $1.95 ppd. Gotham Gifts, 67–85 Exeter St., Forest Hills, N. Y.

Decalco*mania* is eminently understandable when you see these charming, colorful Pennsylvania Dutch decals. On this sheet (No. 12) are the quaint Amish family, the horse and wagon, and decorative border-design material—vividly, authentically portrayed. The sheet is 12" by 18" and has 28 decals. $1.00 postpaid. R. W. Cummings, Inc., Box 1447, Lancaster 22, Penna.

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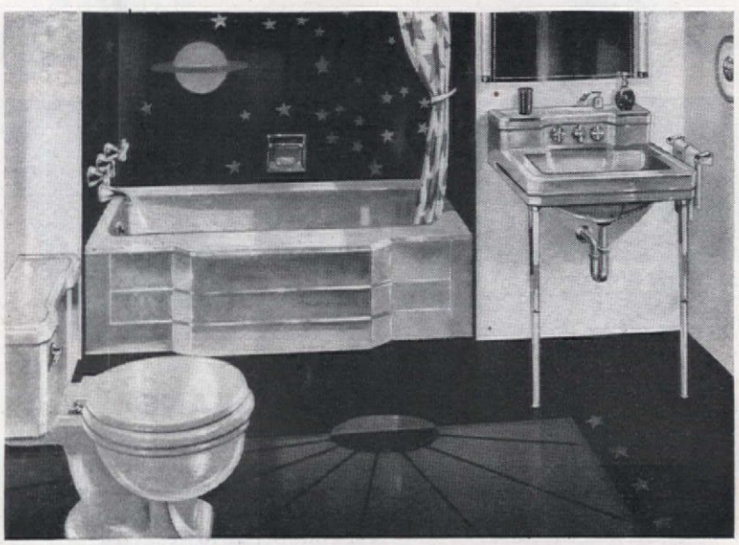
ELJER

"Bill's idea was right..."



"Bill wanted our new bathroom to be outstanding . . . and really insisted upon Eljer fixtures. How right he was!

"Now everyone is pleased with the room. The Eljer fixtures match beautifully, with just the right amount of 'modern' in the styling. The finish is like glass . . . practically stainproof."

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To break up traffic jams in the bathroom, install twin Eljer vitreous china lavatories. Both father and son come to breakfast smiling . . . Mechanically-minded men appreciate Eljer faucets that can be turned "off", tightly, with a touch of the finger. Just another reason for being sure your new bathroom is Eljer-equipped.

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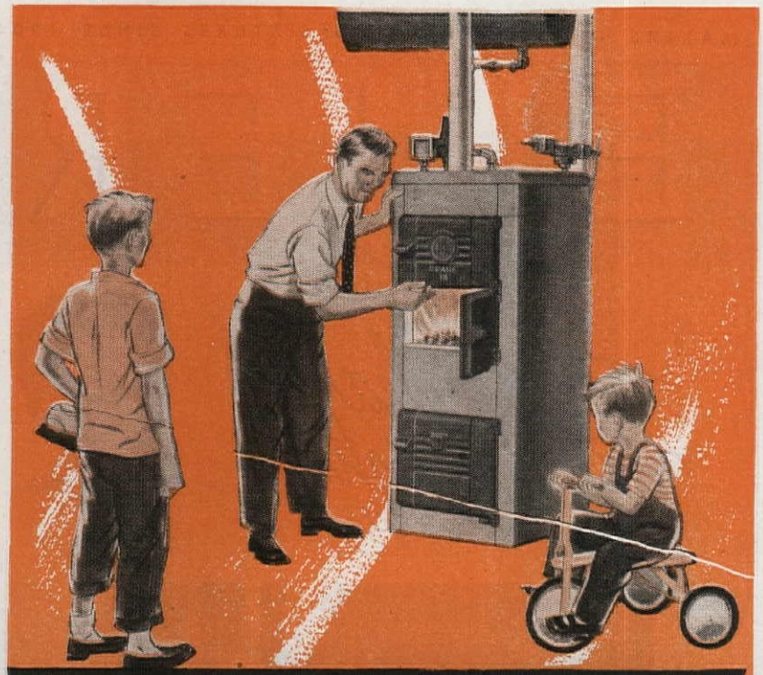

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neighbors

THE CLOSET OF THE *Good Samaritans*

DOROTHY C. SALISBURY

"Where did you get all this hospital equipment?" I asked my hostess as she ushered me into the improvised sickroom where her husband was confined with a broken hip. There he lay—recuperating comfortably in his own home—on a high, adjustable bed, over which rose the complicated superstructure of a Balkan frame, that combination of rods, pulleys, and ropes which helps in healing broken limbs. A one-legged bedside table, placed within easy reach of the patient, held bottles of medicine, reading glasses, a carafe of water, and other items necessary for his well-being and comfort.

"As you may have guessed, the hospital didn't supply this bed," my hostess explained. "All this equipment was furnished by my club, the Silver Spring Woman's Club. It is part of our Sickroom Loan Closet."

Silver Spring, Maryland, is a fast-growing suburb adjoining the District of Columbia. Its population has boomed to more than 50,000 persons, crowded along the line which separates the District from Maryland and spreading out into the country beyond. In spite of its growth, it has retained something of the friendly atmosphere of a country town.

Some eight years ago, the fifty-odd members of the newly organized Silver Spring Woman's Club were discussing projects, which would be of real service to the community, in an attempt to settle on one which would be an expression of neighborliness, not charity. Mrs. Keele, the president, mentioned the work of a small organization in a Pocono Mountain village in eastern Pennsylvania, which lent articles to be used in case of illness or accident. "Why don't we make a collection of the things which are needed in case of sickness, but which we don't generally have in our homes?" she suggested. "We could circulate them in the community just as the local library does its books."

The idea took hold with club members like a new Sinatra record with bobby-soxers. Before starting the collection, a committee visited the various physicians in town to talk over the idea and get their reactions to the suggestion. The doctors were wholeheartedly in favor of the plan. One even gave the club money to buy a hospital bed.

Promptly the women went to work. "I'll give a pair of pillow slips," one volunteered. "I have a pair of crutches to offer," said another. "I'll make some pneumonia jackets," chimed in a third. One member donated two wheel chairs that had been used by her invalid mother, another gave a two-legged foot rest, and so the contributions grew. In a very short time, there was a sizable stock of sickroom articles, and the Sickroom Loan Closet was ready for customers.

One of the women, Minna Loeschki, offered closet space for storing the collection, and was made chairman in charge. She still manages the collection, although the larger articles are kept in a garage when they are "in," and the others now occupy a basement storeroom. Her work has developed into a twenty-four-hour-a-day job, for hardly a day passes when she does not receive at least one call—sometimes even late at night. In spite of demands on her time, she loves her work.

"The first article lent by the service was one of the wheel chairs," Miss Loeschki reports. "A fifteen-year-old boy had been attacked by polio, and his parents were looking for a wheel chair to rent when a

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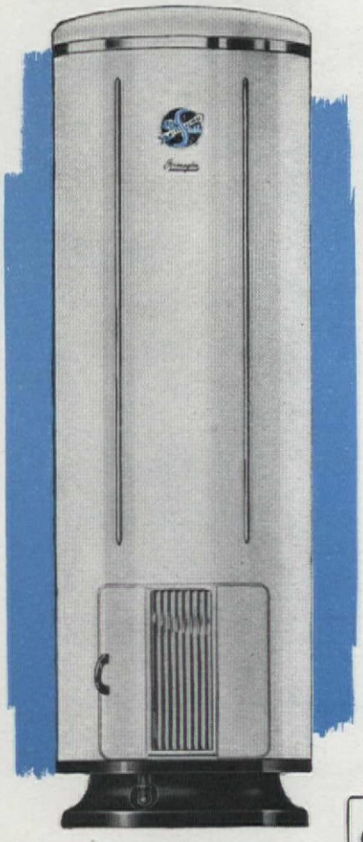

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neighbors

friend told them of the club project. The boy used the borrowed chair for three months,-and when the father returned it, his eyes filled and his voice faltered as he tried to tell what the loan, and the spirit behind it, had meant to his family."

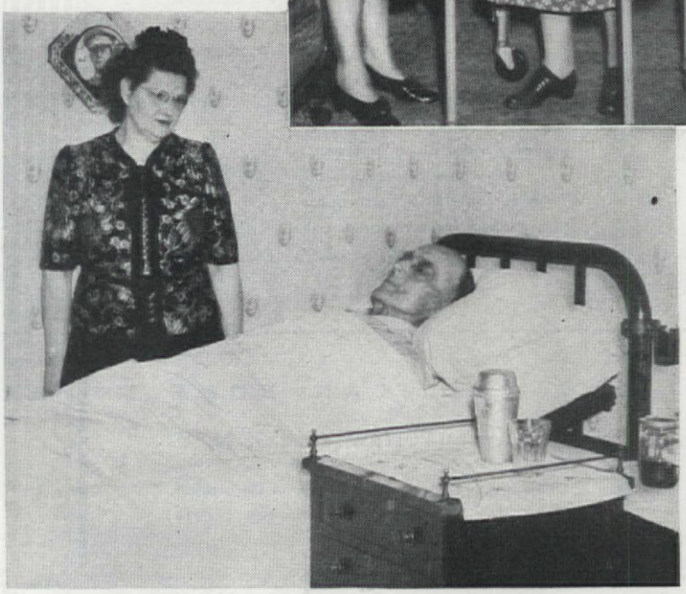
The first year only seven loans were made, but as time passed, calls became more and more frequent. During the war, when hospital rooms and equipment were overtaxed beyond measure, the loans from the Sickroom Loan Closet passed the one-hundred-a-year mark. Last year they reached two hundred, and the rate is still increasing.

Although the original donations came from club members, outsiders who heard about the service soon began sending in contributions to help the work along. Among the items were crutches, wheel chairs, and bed tables, sent by people whose need for them had passed and who were glad to give them to the Loan Closet or sell them at a nominal price.

One item of special interest acquired in this way was the club's first invalid walker. The walker is an iron frame on casters which helps a person recovering from a broken pelvis, or a long period in bed, to win back strength and walking ability. The original purchase price of the equipment was $70, but after it had served its turn with the owner, she was more than glad to pass it on to the club for only $25.

About a year ago, an article on the Loan Closet appeared in a Washington, D.C., newspaper and pictured this apparatus in use. The next

Alice Richter



● Sickroom Loan Closet has nearly 200 items to lend, but often its shelves are as bare as those of Mother Hubbard's famous cupboard. Available on loan are an invalid walker, to aid recuperating patient with first steps, six hospital beds

"What a dandy! One-third more space...in the new General Electric Space Maker"

—says Art Linkletter,

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"Women crowd our studio," Art says, "to marvel at the great new refrigerator that doesn't crowd the kitchen! It's a dandy, all right . . . and it holds more food than you'd believe possible. You can't beat it for looks or convenience, either!"

In the picture on the left, you see a conventional 6-cubic-foot refrigerator. In front of it is all the food it can possibly hold in its refrigerated storage space.

On the right is the 8-cubic-foot General Electric Space Maker. Just *look* how much food it can keep under refrigeration—*a full third more!* And though it seems incredible, the 8-cubic-foot Space Maker fits in almost exactly the same kitchen floor space as an old-style six-cubic-foot refrigerator!

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More than 1,700,000 refrigerators in service 10 years or longer.

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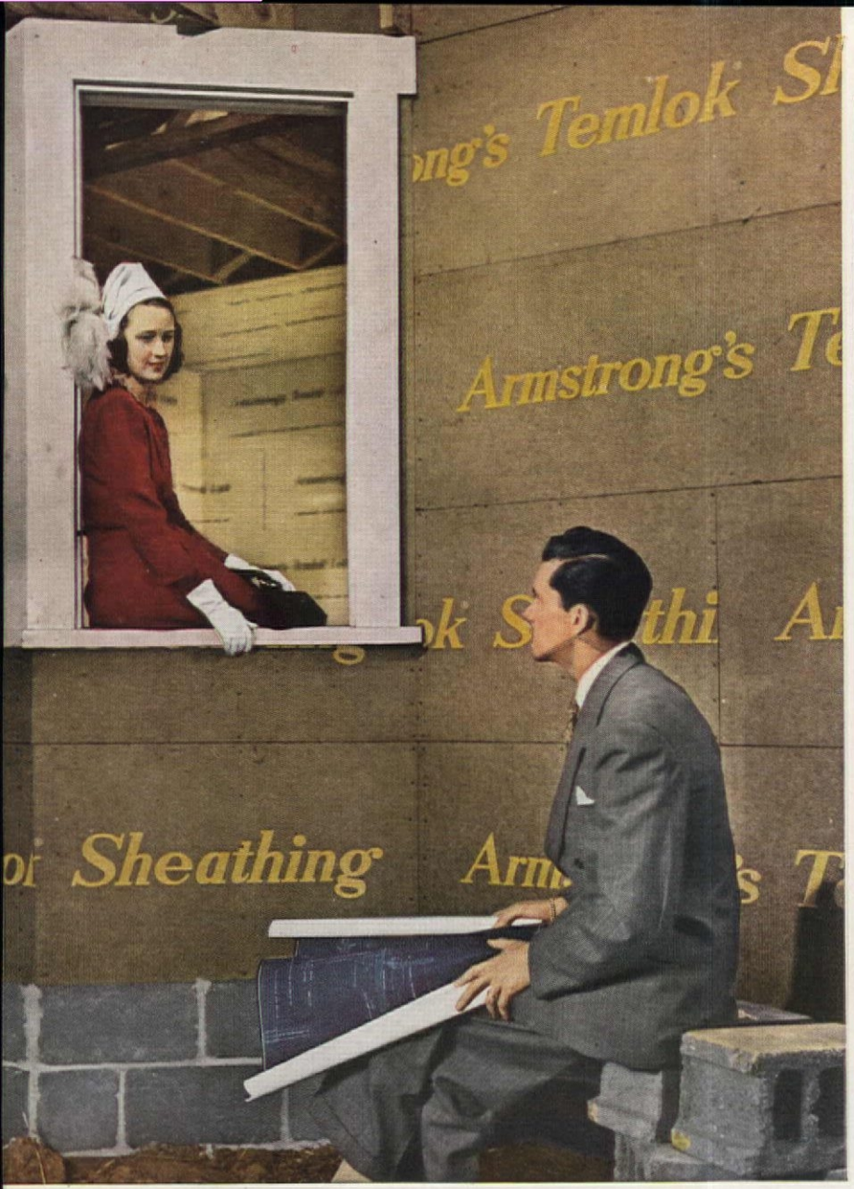

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neighbors

day, Miss Loeschki received 43 telephone calls, most of them inquiring about the walker. Then letters began coming in from places as far away as Richmond and Roanoke, asking not only about the walker, but also about the general work of the Loan Closet. One happy result of the newspaper article was the receipt of a second walker, and recently a third arrived, a gift from a man in California.

Another unusual item in the collection is the invalid carrier, a sort of sedan chair slung between two poles so that it can be carried by two persons, one in front and one behind. Last summer it enabled a woman who had been confined to her room for months to get outdoors again.

The Closet now has six hospital beds, four bedside tables, five wheel chairs, and twenty pairs of crutches of different types and sizes.

Thanks to the Loan Closet, two high school boys who had been injured in accidents just before the close of the school year were able to attend their commencement exercises. Tom, who had broken his leg, arrived in a wheel chair, and Bob, with a sprained ankle, walked in on crutches.

Though the larger articles give more spectacular service, there is a constant lending of smaller ones. There are twenty bedpans available, as well as back rests and rubber air cushions.

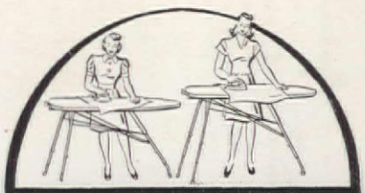
For the most part, news of the Loan Closet has spread by word of mouth. All the doctors in the community know about it and refer their patients to it when its services are needed, and even the police call on it for aid when emergencies arise.

In return for the use of equipment, the club asks only that it be returned promptly, in good condition. As a safety measure, all articles returned are treated with disinfectant and checked over to make sure they are ready for use again.

Sometimes grateful borrowers send gifts of money since no rental is asked. Such money is used to buy more equipment and so extend the service. An oxygen tent is next on the list of items to be acquired.

Miss Loeschki keeps a simple card file to check articles "in" and "out." After an item has been out six or eight weeks, she telephones the borrower to find out when it will be returned. "Even the little things like thermometers, so easily lost or broken, have all come back," the chairman explains with pride.

Through its extended neighborliness, the Silver Spring Woman's Club has made a real impress on the community. Certainly its members, now more than 200, have taken to heart the parable of the Good Samaritan and have found the answer to the question, "Who is my neighbor?"



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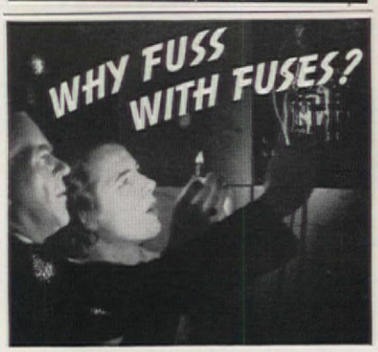

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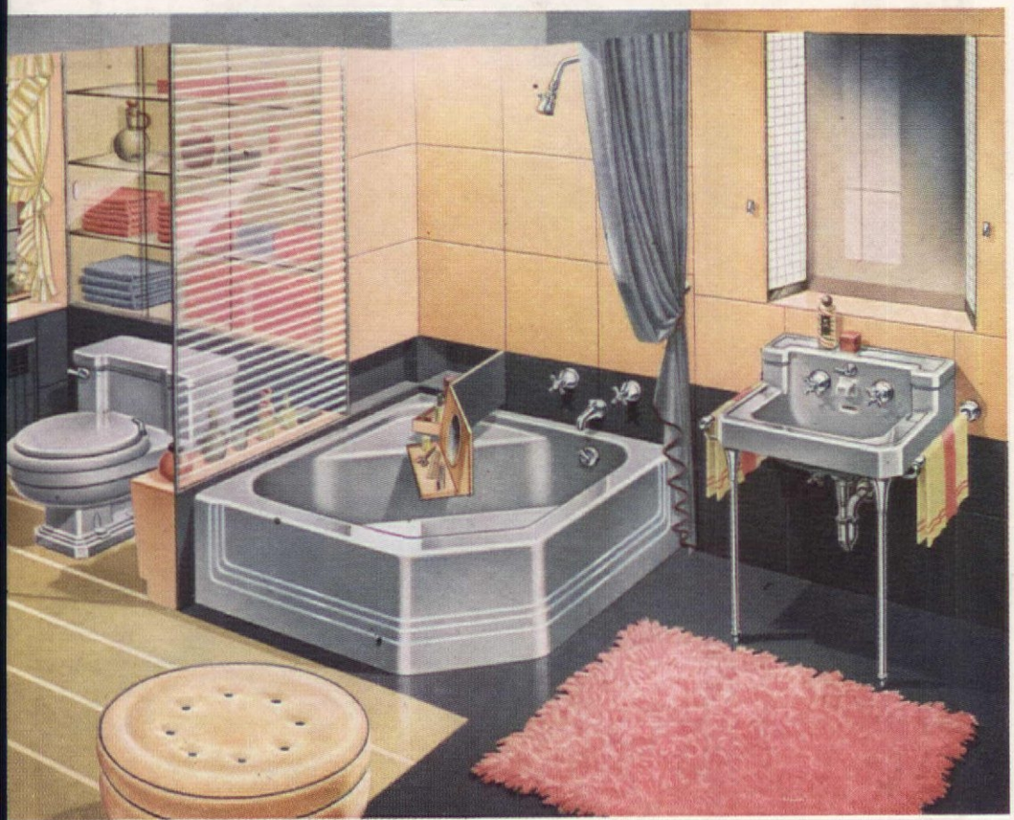
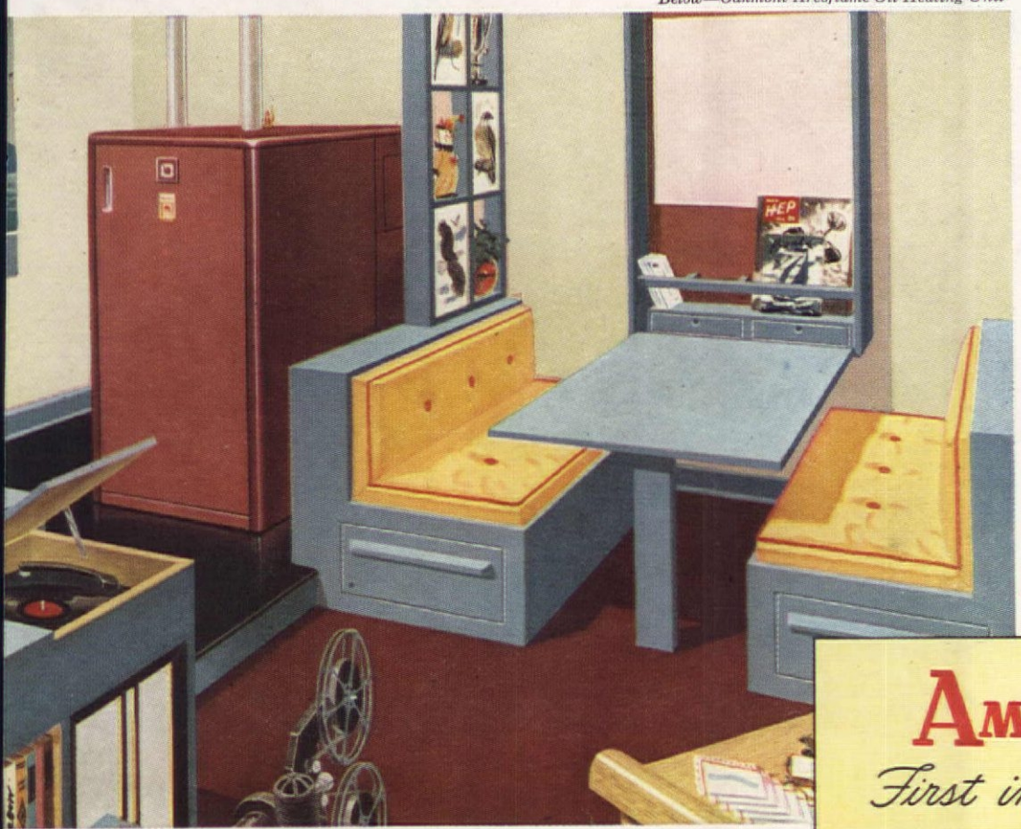


Above—Neo-Angle Bath, Companion Lavatory, Master One-Piece Water Closet

Below—Oakmont Arcoflame Oil Heating Unit



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Swift's Premium *Table-Ready* Meats

like tasty Cooked Specialty, a delicious luncheon item, are just the thing for hot-weather suppers, lunches and picnics.

E. L. D. SEYMOUR

ARE WE RAISING *A generation of* VANDALS?

Wencell Kilmer

Once upon a time "vandal" meant an uncouth, invading barbarian from some uncivilized land with neither culture, comforts, nor amenities of life; where right of ownership, private or public, was a matter, not of principle, but of brute force. Today, when personal and property rights are recognized and protected, vandals, it would seem, are born, reared, and educated and live their lives right in our midst. They are our children, our neighbors, OURSELVES! And vandalism has become less a deliberate, destructive act against an alien, enemy race than the needless, senseless, useless destruction and carelessness that we can see all around us; the outward manifestation of an inward disregard for the rights, privileges, and convenience of others, of an indifference to the appearance, decent care, and proper use of the surroundings in which we work, play, and live. Those surroundings are our homes, neighborhoods, communities; and the countryside to the farthest limits of our commonwealths and the Nation that is ours.

On second thought, perhaps the title that heads this page should omit the word "raising," and ask bluntly, "Are WE a generation of vandals?"

Small boys—and big ones, too—smash street lamp globes like that shown above; not occasionally, but repeatedly, persistently, long after any thrill of novelty must have worn off. The sharp fragments endanger bicycle tires and the feet of passers-by, and their pet dogs—as do the bottles tossed from cars and broken along the wayside. Youngsters of so-called "best families" hang around suburban railroad stations until long after midnight, wreck vending machines, tear up telephone books, destroy valuable, useful property, without realizing any sort of sensible objective. Sacks of cement left on the site of a new home are, overnight, ripped open and spilled around, injuring both builder and owner—to what earthly purpose? Tombstones in cemeteries are overturned and broken, heavy beams are ripped from the seats of park benches, public plantings are torn and uprooted . . . Such are a very few of many kinds of outrages perpetrated more or less furtively by the vandals of modern society.

Home, community, country—all are YOURS to enjoy, protect, preserve. How well are you discharging your proud stewardship?

Of the same, ugly, useless, senseless nature—though perhaps less spectacular and destructive—are many things we see done, or know are done, all around us, day by day. That perhaps even we ourselves do unthinkingly. The throwing aside in public places (often within a few feet of a rubbish receptacle), or out of automobiles, of candy and cigarette wrappers, match books, used paper handkerchiefs, ice-cream containers, soft-drink bottles, all kinds of litter, may be "harmless" but . . . would you do it in your own home? The collecting, from hotels, restaurants, etc., of "souvenirs" (which certainly are not intended to be such or charged on the bill)—is that any different from casually taking linen, silverware, books, and knickknacks from the homes of the friends you visit? Yet you wouldn't think of doing *that*—or would you? . . . Have you ever, perhaps, in making a U-turn in a village street, casually backed up into a private driveway, inadvertently run over a valuable flower border, shrub, or hedge, and sped away without a word of apology or act of compensation? . . . Are you one of those who carelessly toss unextinguished matches or cigarettes into dry grass, pine needles, or leaves by the roadside, or in parks and other public places? Whose neglected camp fires start conflagrations that cost the American people more than $30,000,000 annually for destroyed timber alone? . . . Have you ever thrown a bundle of rubbish or garbage from a picnic along the highway or over a bank just because no one was in sight, you weren't going to stay there anyway and, well, why lug it along when you could get rid of it so easily?

If our youngsters *are* careless, thoughtless, slovenly about the looks and upkeep of our communities, what of the example they follow? Whose is it? . . . Look around you. Can we be proud of what we see, or should we be ashamed? Do we care, or don't we? Are we going to do anything about it, or not?

Frederic Lewis

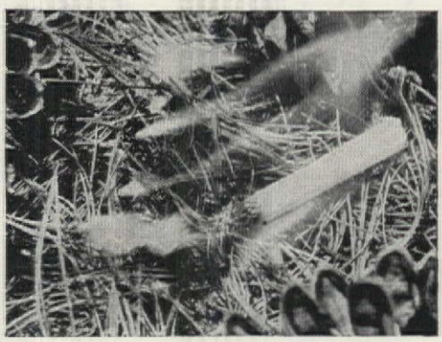
EGOTIST . . . HIS MARK

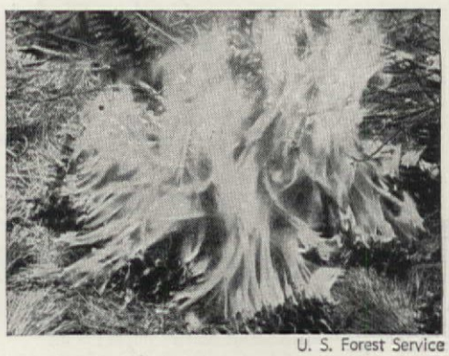
● If neighbors, visiting you, damaged and despoiled your home and grounds, wouldn't you do something about it? "Visitors" to New York City's parks each year destroy 1000 trees, 4500 light fixtures, 11,000 sq. ft. of windows, 5 miles of bench slats; do $250,000 worth of damage, that the owners of the parks—the citizens—must pay for. . . . Who's to blame?

● Ignorant little boys scrawl dirty words on walls and fences because they think it smart. Do educated (?) adults scrawl or carve names and initials on tree trunks, trail markers, benches, and monuments because *they* think it smart? Or—because they just don't think? For to them, as well as us, belong the National Parks and all our countrysides

Wendell Kilmer

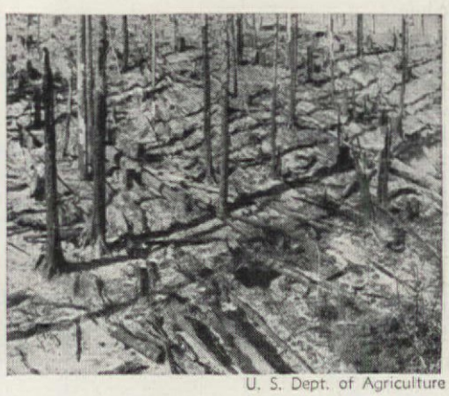
● A "vista" directly across a much traveled street from a high-class apartment house in a residential suburb! . . . Are the people who live near and pass by blind, indifferent, or what? Must every vacant lot be posted, "NO DUMPING?"





U. S. Forest Service

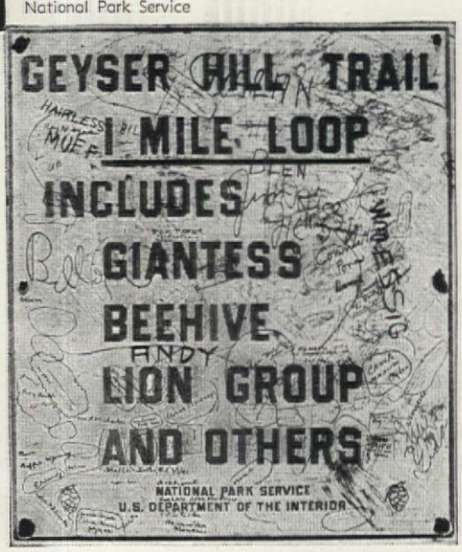
BURNING CIGARETTES . . . DRY LEAVES, GRASS . . .



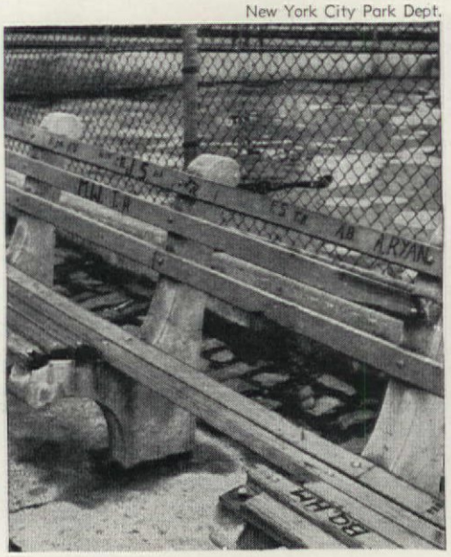
U. S. Dept. of Agriculture

FOREST FIRE! . . . Annual cost $30,000,000 PLUS

National Park Service

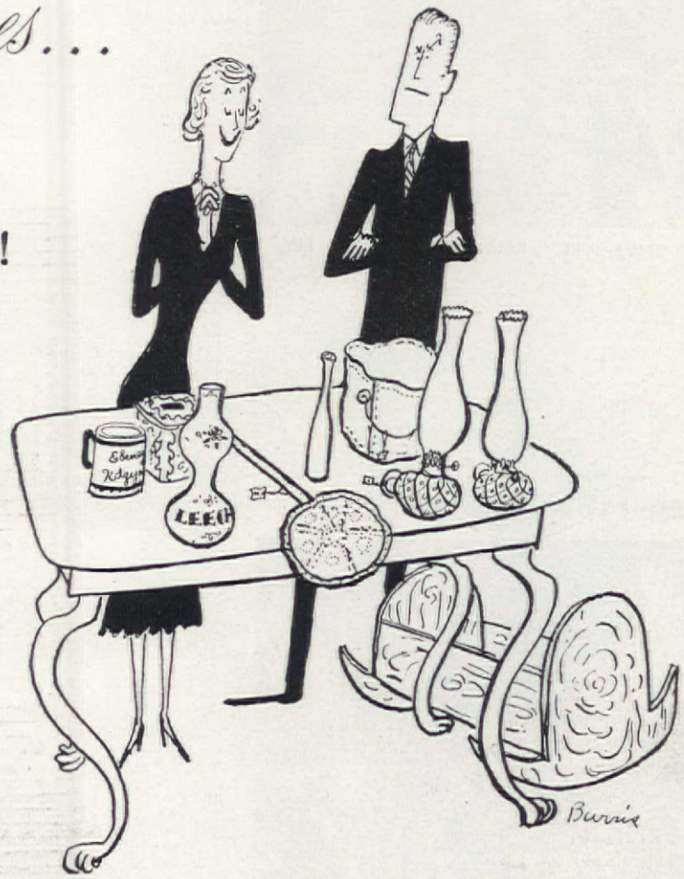


New York City Park Dept.



New England USED TO BE *the home of Antiques...*

NOW OUR APARTMENT IS!



BOB FOREMAN

When Stephen Foster said, "There's no place like home," he must have had an inkling of what our apartment was going to look like after our vacation in New England. You see Betty, my wife, got nipped by the antique bug en route and took up collecting with a vengeance. Yes, now there's no place quite like our home—the home of antiques.

The first antique was acquired "for a song," according to the little woman, from a shrewd old Yankee who must have laughed for hours at our innocence. It was a bed warmer, a battered brass thing on a stick. While I maintained that we really had no use for a warmer, this got me nowhere, and Betty plunked down twenty-five dollars for it.

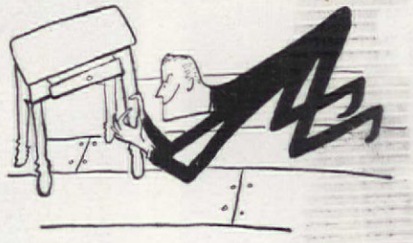
My wife's next "steal," for six dollars, was a greenish bottle which resembled a soft-drink container. I reminded her that for the same price we could get approximately six cases of similar bottles, each filled with a thirst-quenching beverage, but she said I didn't understand that this was a genuine mint jar and that it had been blown by hand.

The virus really took hold when we discovered a divine little "shoppe" displaying so-called bargains. We fought our way through two dozen antique hunters, pawed through the dust, and came up with a shaving mug inscribed with the name Ebenezer Rdzynski. Since I'm a devotee of the electric razor, I couldn't see any reason for this purchase, but Betty said it was just the thing for cigarettes and would look wonderful in the living room. I hinted that people would think we had swiped the mug from Mr. Rdzynski, but she laid out the ten dollars for it anyway.

Later we picked up a splintery wooden cradle that was certainly better suited to holding fireplace logs (my wife's idea) than a baby (the antique dealer's idea). Other prize acquisitions were a cast-iron penny bank, a gaudy piece of glass said to be a paperweight, a battered leather fire bucket, an apothecary's jar marked "Leeches," and a pair of oil lamps.

As soon as we got home, the little woman spread her purchases around the living room. And although I realized it was now possible for me to hop into a warm bed, enjoy mint, use a shaving mug, rock a baby, save money, pin down papers, and look at leeches by the light of an oil lamp—all in one room—I wasn't happy. I decided to put my foot down, but waited until the next evening when we had company—the Sutphins.

I opened the attack with a remark to Joe Sutphin, and that's where I made my mistake. When I commented that our living room looked like a swap shop, Joe retorted, "On the contrary, old man. I think your wife's done a grand job." I was about to brain him with the mint jar when he continued, "Sue and I are doing our farm in Early American. You must come up for a week end and see how it's going." The girls began gushing, and soon we were booked for the coming Saturday.



"It's a remodeled barn," said Sue Sutphin on our arrival. Their home was a barn all right, but frankly, the "remodeled" part escaped me.

Joe led us inside, and the first thing I did was trip. "The floor boards must have buckled a bit," he apologized. "A bit" was definitely an understatement, for the entire room undulated, not too gently.

"Aren't these old pine planks lovely?" cooed Betty, and we had to get down on all fours to examine them. "They're actually pegged."

"Where do you think we got our priceless commode?" Sue's question came in a whisper, though there wasn't a neighbor within miles. "The people who sold us the place simply left it behind. Imagine!"

I tried to imagine—as I ran a forefinger over the wood, acquiring a splinter—and decided it was easier to leave it behind than to burn it.

Next we all trooped over to look at the fireplace, which boasted a hole called a Dutch oven and twelve cracked tiles. Naturally, the flue was clogged, and when Joe lit up we began to cough and cry.

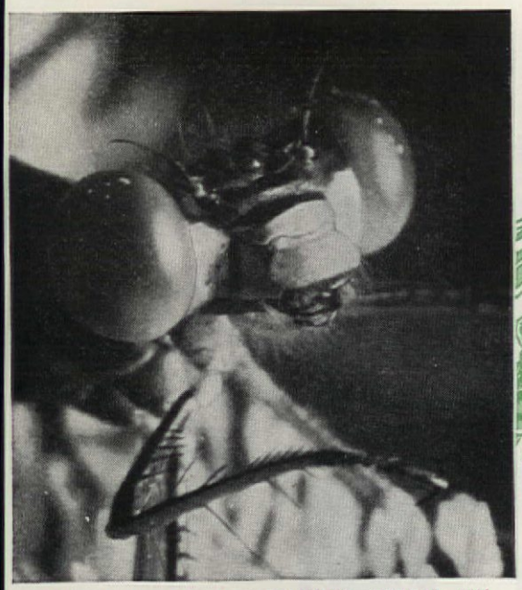
The week end went on and on in this manner. If we weren't on the floor feeling something, we were turning plates upside down looking for the maker's mark. And the beds, while authentic, were anything but comfortable. Finally Sunday night came, and we said good-bye to the Sutphins.

"You know, honey," I said to my wife as we headed back to town, "I think I could become a lover of antiques, too. I'd buy all the battered, useless stuff I could find, then toss a few trick phrases at people. You know, 'hutch table,' 'mustache cup.' It's a cinch." She pretended not to hear, but I went on, undaunted. "Maybe I could even open a roadside shoppe. I'd get all the junk from one person's attic and sell it to his neighbor. And boy, would I need a big vault for the money I'd rake in."

I looked over at Betty. She was fast asleep! So I made my closing remarks to myself, to wit: "Someone once said that love is blind. Well, that goes double for this kind of love—the love of antiques!"

Text and drawings by Elberta Wagner Fleming
Photographs by Edwin Way Teale

The G-MEN of the GARDEN



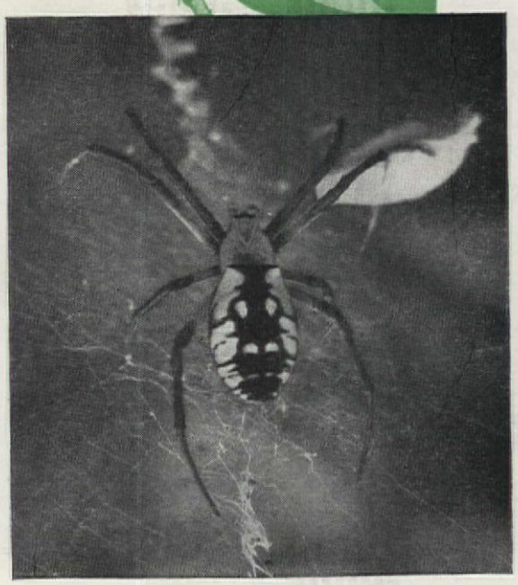
MEET "FIVE-EYES," RELENTLESS ROBBER FLY

HE WORKS BY NIGHT—THE SEARCHER BEETLE

THE PRAYING MANTIS—WHO ALSO PREYS

MIRANDA, THE SPIDER, SETS A WICKED TRAP

THE BUSY, BUSY BEE IS A BENEFACTOR, TOO



Can you distinguish between the criminal insects of the garden and its innocent—even beneficial—citizens? Or perhaps you didn't know that many of the creatures which, merely because they are "bugs," we condemn to death along with the bold, bad bandits, are actually guiltless of any crime. If, in using our insecticidal weapons, we are indiscriminate or careless, we defeat our purpose and jeopardize our garden success by killing friends as well as enemies. And without their aid, as they help police our gardens, our task of protecting our plants would be far greater and more difficult. So let's look at a sort of "rogues' gallery" in reverse; a line-up of some members of our useful insect police force.

First, jolly, rotund Ladybird Beetle, usually clad in red or yellow with black polka dots. She hurries from plant to plant trying to keep down the population of marauding aphids which multiply with such alarming rapidity. Because of their tireless work, commercial plantsmen use these beetles in combating aphids and scale insects, and a business has grown up in collecting or raising and supplying them. Unfortunately this family (the Coccinellidae) includes a few black sheep, especially the destructive Mexican bean beetle, which is larger than the Ladybird, yellow to coppery brown, and with 16 black "buttons"; and the less reprehensible squash beetle, also yellow but with two less black spots. Show these no mercy.

The Ladybird squad has able assistants in the larvae of Syrphus, the yellow flower-fly or hover-fly. Here is an example of junior G-Men activity, for whereas the adult flies feed only on nectar and pollen, they lay their eggs in the midst of aphid colonies which provide the only food that satisfies their ravenous larval offspring.

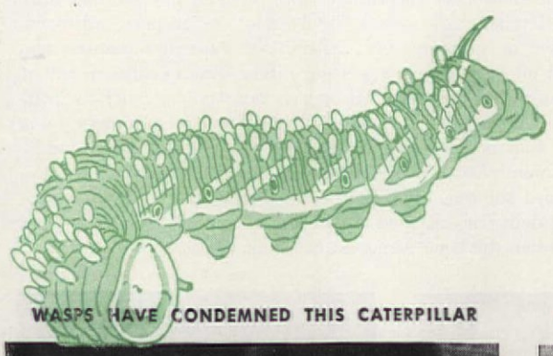
Have you ever met "Two-gun" or "Five-eyes," the robber-fly? Quick on the draw, with a long, trim body designed for speed, he is a veritable Robin Hood as he preys upon enemies of our garden peace and prosperity. He can spot one from afar, zoom down, and snatch him off a plant or seize him in mid-flight quicker than you can shoot your flit gun. And he offers no "your-money-or-your-life" alternative; this Robin Hood promptly consumes his victim with little ceremony!

Top men in the garden police force are those supersleuths, the Searcher Beetles. Scurrying about by night, nosing along the ground for clues, poking under rocks, leaves, and clods, they rout from their hideouts and quickly devour the voracious caterpillar miscreants that riddle the leaves of our favorite plants and cut off tender shoots and seedlings. There are insect aviators, too. The Dragon-fly or "Devil's Darning Needle" is an accomplished dive-bombing pilot. With a head mounted on a sort of ball-bearing principle and eyes composed of as many as 30,000 facets, he has an amazing range and power of vision. Swooping down with the speed and accuracy of a pursuit plane, he can outmaneuver and swiftly destroy many slower moving pests among our plants.

Some of our insect allies work with striking cleverness and secrecy. Instead of being predators, or captors who immediately devour their quarry, like those already mentioned, and the stately but ominous Praying Mantis, these fifth columnists are parasitic in their indirect methods. Most adroit is Mme. Microgaster, a member of the Braconid wasp tribe, who moves in with deadly precision when tomatoes are reaching luscious maturity and that scoundrel, the fat, smooth, green tomato worm is at large, stripping the plants of their leaves and vigor. Perhaps you have found a tomato worm loaded down with what look like tiny, oblong, white eggs. If so, know that it had been visited by a Microgaster wasp and "inoculated" with a clutch of eggs deftly laid in its soft body just under the skin. Hatching from these eggs, the Braconid babies start feasting on the caterpillar tissues. When full grown, they eat their way out, spin themselves the little cocoons that you noticed, and calmly undergo their metamorphosis while on their "bus ride." On their "coming-out" day, they emerge as adult wasps, abandon the caterpillar (by then just a broken down hack ready for the scrap heap), and, like their parents before them, start looking for other greedy tomato worms on which to start the life cycle all over again. So, when you see one of those cocoon-decked worms, don't kill it; its harmful life is nearly over, and soon the little bundles on its back will discharge another generation of useful parasite police.

Another clever garden friend is the spider who, since it does not have six legs, is not an insect at all, but a member of a related class of animals called arachnids. This hunter is forever setting traps to snare unsuspecting culprits. We picture Miranda aurantia, whose favorite diet is grasshoppers and flies which, becoming tangled in her beautifully fashioned web, are seized and devoured before they can get loose.

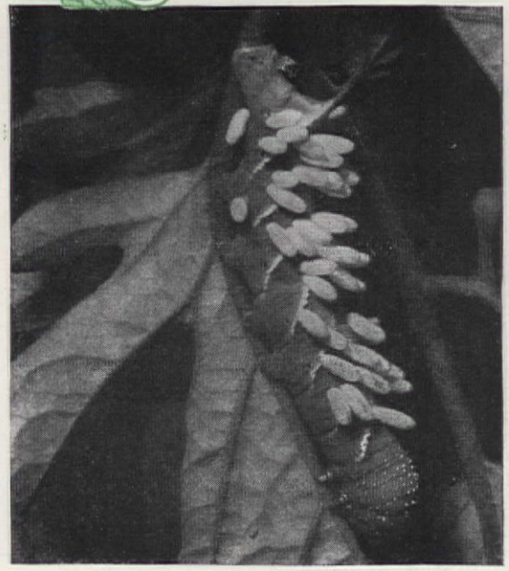
Entomologists of the Department of Argriculture and other agencies are employing many of these friendly, beneficial insects in fighting the recurrent waves of insect gangsters. No sooner is a new pest discovered, or a new threat to farm, orchard, or garden crops revealed, than search is begun for some natural insect enemy that can help keep the invader under control. And of course there are also allies among the birds, and even such lowly animals as the toads, snakes, and lizards. This voluntary co-operation by winged, four-footed, and six-footed creatures is one of the "biological control" measures which are becoming increasingly important in our warfare against destructive insects and plant diseases as well. Hence, in doing our part with sprays and dusts, we must remember that not all the insects we see in our gardens are enemies. We should be grateful, too, for another kind of insect colleague —the "pollenizers." Not only the honey bees and bumble bees, but the flower-flies already mentioned and various butterflies, moths, and beetles, perform the vital task of insuring the setting of fruits and seeds in the plants we grow. Without them, orchards, gardens, and farm lands would yield but sorry apologies for the crops now made possible by the tireless activities of these go-between auxiliaries of our garden G-Men.

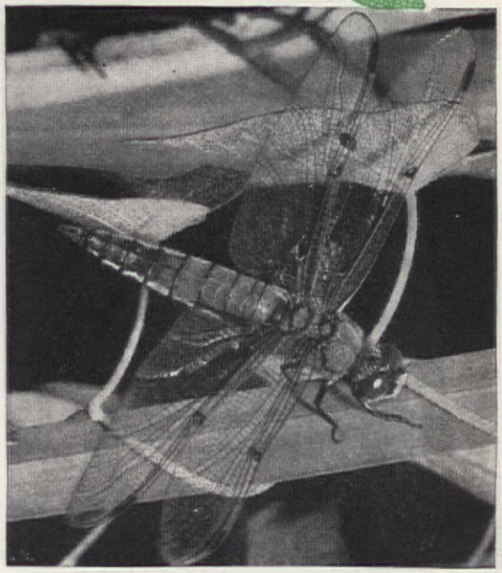


WASPS HAVE CONDEMNED THIS CATERPILLAR

LADYBIRD BEETLE—BAD NEWS FOR APHIDS

DRAGONFLIES MAN THE PURSUIT-PLANE FORCE





CLEAN AND SAVE

WILLIAM W. ATKIN

Now is the time to prepare your furnace for the coming winter. You'll save money, too

Your heating plant will last much longer, provide better heat, use less fuel, if it is cleaned this summer while not in use. The job can be done by a local heating contractor or service man, or you can do it yourself. The work, although very dirty, is not highly technical. Begin by cleaning the fly ash and soot from the inside of the furnace, using a stiff wire brush with a long handle, allowing the accumulation to fall into the ash pit. A professional furnace cleaner will use a large vacuum cleaner to remove the dirt, but you can use an old household vacuum for the purpose, after first removing as much as possible from the ash pit by shovel. The soot and fly ash contain materials which will combine with dampness to form a highly corrosive agent which attacks the interior of the furnace. It also forms unwanted insulation that prevents the fire from heating the air or water efficiently. This results in a great waste of heat passing out through the chimney. When the furnace is cleaned, a two-inch layer of ashes in the pit will absorb dampness from the air and reduce rust action after the doors are closed. Remove the flue pipe leading from furnace to chimney and clean it; replace it and cement the junction with the chimney to prevent leakage that will reduce the draft. The chimney should also be cleaned at the bottom to be sure that it is clear for a good draft.

If yours is a steam or hot-water system, leave the water in the boiler. The old water causes less rust than new water; so it is best to draw off only a small quantity of water to remove any sediment and loose scale that may have accumulated at the bottom of boiler. Replace enough water to fill a hot-water system or to raise level to the proper point for a steam boiler. If the boiler is very dirty, use a boiler-cleaning compound in the water.

While working on the furnace, look for leaks above the grate bars, particularly around fire and clean-out doors. These doors are likely to warp, rust, and not close tightly. When there is a fire in the furnace, leaks will be evident if you hold a lighted match outside at all joints, including the one where the furnace meets the floor. A leak is indicated if the flame is pulled in at the joint. All such leaks can be repaired with asbestos furnace cement. Such cementing lasts five years, if properly installed. If you notice odors from the fire during the heating season, re-cementing is probably needed. This necessitates taking the furnace apart. Remove the sheet-metal jacket and all heating pipes. Take down all sections and clean old cement from the upper and lower edges. Replace all the sections, using a good quality asbestos furnace cement to produce a thoroughly air-tight job.

Any cracks in the cast-iron parts of the furnace should be repaired with iron cement. This is a powder which is mixed with water to the consistency of a thick paste. Use a thin, sharp file, screw driver or other steel blade to widen and deepen the crack because the cement must be forced into it if it is to work properly. Pack the new cement into the crack.

Leaks around door frames can often be closed by tightening the bolts. In some cases, threads may strip, necessitating the installation of new bolts. High edges of warped doors may be filed down.

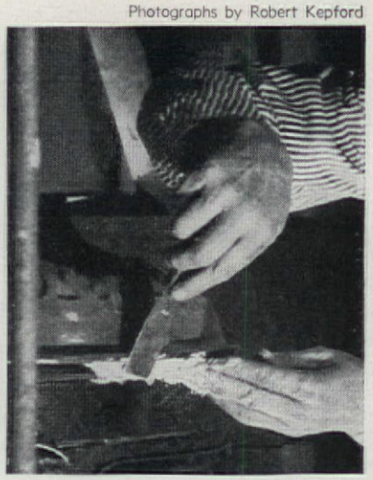
Check and repair insulation of the furnace and pipes or ducts. Make sure that all dampers and relief valves work freely and are properly adjusted. Replace any defective or worn-out parts. Lubricate fans and motors, and clean or replace fuel oil and warm-air system filters. Proper adjustment of automatic systems, using stokers, fuel oil or gas, can save as much as 25% in fuel consumption. A cleaning and adjustment of such equipment by a professional service man is advisable every year for efficient operation.

August is a good month to have your coal bin or oil tank filled, because many people wait until the beginning of the heating season when fuel suppliers are rushed and deliveries delayed. By ordering now you will be assured of an ample supply when the time comes to fire your furnace.

Photographs by Robert Kepford

● You can remove soot and fly ash with a long-handled brush. Have service man clean and adjust oil burner

● Furnace insulations can either be trowelled on or applied in sheets that can be wired in place easily



● Small leaks in the joints between the furnace sections can be patched readily with asbestos furnace cement

Gardening's his hobby...

...common plants are his choice

Ethel McCall Head

When I. J. Thorp retired and moved to California, after many active years in the East, he knew only that he would enjoy puttering around a garden. Little did he realize what a hobby his gardening was to become, or how much pleasure it was to give both himself and his wife and, less directly, their neighbors and friends. For one thing, a lot only 70 x 115 ft. in extent doesn't have much room for a garden left after even a moderate-sized house is built on it. From the front, one sees only the house and a good, but not spectacular, foundation planting. But at the rear one finds Mr. Thorp's province where, he claims, he has a year-round garden always in full bloom. Well, how does he do it?

Across the back of the lot, in front of a fence, are vigorous, colorful shrubs—blue-flowered plumbago; eugenias with red berries at one season and pyracanthas which bear brilliant orange fruits at another; cotoneasters, and white oleanders. These were the start of his garden which is actually a mixed border extending across the 70 ft. of ground and averaging about 10 ft. in width. Between it and the house, a plot of grass sets off the mass of color. The secret of the continuous color effect achieved in this limited space is that Mr. Thorp believes in common plants. Nowhere has he any rare, costly, hard-to-handle specimens. His materials can be found, and grown, in practically all parts of the country, even if not all the year round as in Southern California. Over the seasons he has in bloom in his 10 ft. strip calendulas, stocks, snapdragons, ranunculus, scabiosa, carnations, petunias, delphinium, marigolds, white and yellow marguerites, impatiens, salvia, Esther Reed and other Shasta daisies, pansies, and dahlias. To prevent the usual bare spots of the in-between seasons when spring flowers are about gone and summer bloom is still to come, he moves in plants that are already blooming, or about to bloom. These last he grows in a bit of ground that he has permission to use behind the fence at the rear of his lot. Mrs. Thorp says that friends are still amazed when, after seeing the garden one afternoon, they drop in the next day to find a whole new display of plants that appear to have sprung up overnight. Yet it is not an onerous task and Mr. Thorp employs help only for mak-

Last year, from 1/30th of an acre, Mr. Thorp cut 36,000 blooms for friends, clubs, churches, while keeping his home a bower of beauty, too. No mean record!

ient and capacious racks for magazines, which add to the enjoyability of the room for lounging and reading, no less than for entertaining, at meals or otherwise, at any time of day. Here, indeed, house and garden flow together, so that both can be enjoyed at the same time, as placidly or as actively as one may choose.

Largely as a result of his increasing interest in gardening (which, incidentally, includes the cultivation of a productive vegetable plot out on the edge of the rear work area), in the development of year-round color effects, and in the whole idea of getting results with everyday plants, Mr. Thorp has gradually taken up another hobby—garden photography in color. Thus he is building up a permanent record of the beauty of his garden and his satisfying accomplishments, and thus, with the help of his camera, his little ten-foot garden is yielding a new kind of dividend to add to the health, happiness, and soul-satisfying beauty that it has been giving him all along.

Photographs by Robert C. Cleveland

● This is one of the three closely related features or phases of Mr. Thorp's gardening: the outdoor work room or "nerve-center." It is midway between, and equally accessible to, the "work garden" and cutting beds (see top picture, page 29), and the compact, colorful, all-year-round garden border shown in all its glory in the large picture on that page

ing major changes, as from his spring to summer, or summer to fall plantings. Because they so enjoy the rich and varied colors of the garden as seen from their sun room and living area, the Thorps pick flowers for the house and for friends only from the "work garden" at the rear. Yet in that modest area, quite hidden from the house, the Thorps cut, last year, 36,000 blooms to give to their friends, to clubs and churches in addition to plenty for the house at all times. That's no mean record for an amateur gardener!

At the right of the garden, where a narrow space between a thick hedge and the garage wall leads to the work garden, Mr. Thorp has a tiny, open-air work room, with potting bench and a tidy array of tools, fertilizers, pots, etc. conveniently handy to both family garden and picking area. He needs no fancy lath house or expensive greenhouse; his little "garden center" is open to the sky but adequate, with "a place for everything and everything . . ."—you know.

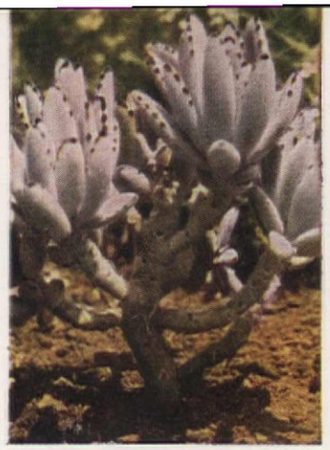
Once a friend gave him a lovely little succulent which he popped into a corner of his garden. As it grew, so did his interest in it. Soon he added another, and another, giving more and more space to them until now about a third of his garden border is occupied by some thirty-six different types of these arrestingly odd and colorful plant forms, ranging through shades of blue, gray, green, violet, red, and orange. Desert stones around and among them make them look quite at home even though flanked by flowers and shrubbery. They are so easily grown and yield so much beauty in return that Mr. Thorp recommends a planting of succulents as an important part of any garden wherever conditions permit. They are also excellent for window boxes, especially those on the west side of a house where many plants cannot stand the heat; and for both window boxes and dish gardens indoors.

While Mr. Thorp has been busy keeping a continuous, bright display of blossoms in his garden, to use in the house, and to give away, his wife has not been idle. Deciding that their original little sun room at the back of the house was too small and oftentimes (since they are not far from the Pacific Ocean) too cool for comfort, she expanded it into a garden room, 18 ft. by 20 ft., with a wall of glass from floor to ceiling on the garden side. Now it can be enjoyed the year around, as part of the house and, seemingly, part of the garden at the same time. Red concrete floor, red rafters and colorful furniture accent the warm-yellow walls and ceiling, and the treatment of the blank wall of the house was truly ingenious. Here Mrs. Thorp had two window-size mirrors hung, and draped them in gay red canvas "curtains." Fake windows? Yes, they are. But they break up the wall space and, what is more, bring the garden right into the room by reflection. One senses a second garden beyond the "windows," and the result is most decorative and colorful.

In one corner of the garden room is a spacious built-in cabinet planned to hold flower vases, bowls, frogs, etc. Here she can arrange the flowers brought from only a few feet away for use in the house, or to be given or sent to visitors or neighbors. And on a handy closet door are conven-

● Garden is brought into house, and vice versa, by glass-walled sun room with mirror "windows," as seen here from the outside and, opposite, from the inside

● Have you ever realized the garden possibilities of succulents? Unusual, decorative forms and subtle colors make them an asset outdoors as well as in dish gardens and window boxes. They will stand cold down to 36 deg. F. and, if given water, any amount of sun and heat. Yet they are not desert plants, and thrive in sheltered, shady spots. Cuttings root easily, soon make sturdy plants; so from small beginnings you can readily develop a charming garden of them, just as Mr. Thorp did with his plants, seen on facing page. Most succulents have no common or popular names. Hence the following accurate and specific, if somewhat technical, labels for the ones shown: **1.** Kalanchoe tomentosa. . . **2.** Sempervivum (houseleek or live-for-ever) in bloom. . . **3.** Graptopetalum orpeti ("Standardized Plant Names" calls it letter-petal). . . **4.** General view of Mr. Thorp's happy family of succulents. . . **5.** Center, Echeveria pulvinita (or possibly pulverulenta); around it, Sedum adolphi, rare seedling stonecrop. . . **6.** Two plants of velvety Kalanchoe beharensis dominate this group. . . **7.** Urbinia agavoides. . . **8.** Kalanchoe somaliensis. . . **9.** Aloe bequini. . . **10.** Hybrid of Gasteria and Aloe. . . **11.** Echeveria derenbergi. . . **12.** Kalanchoe marmorata. (Names verified by specialists at Hagenburger's Gardens, of California)



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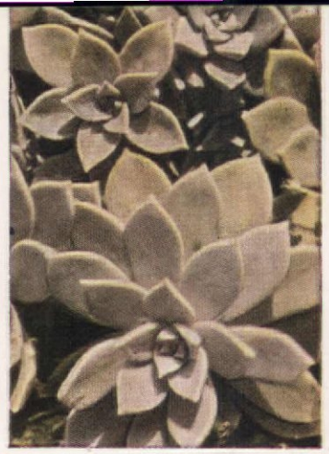

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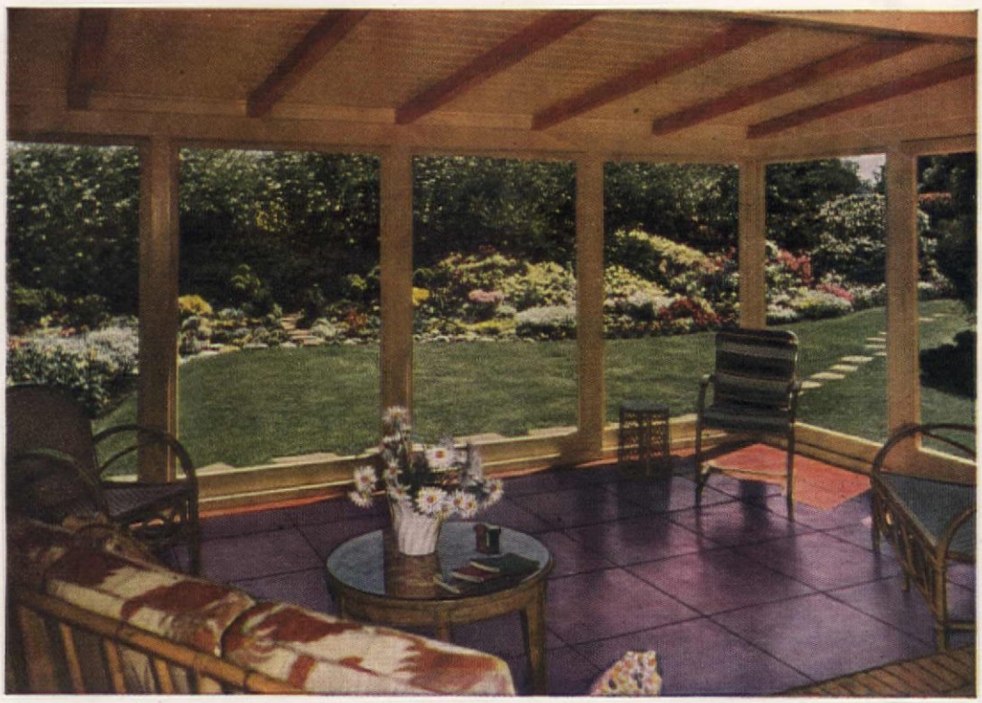

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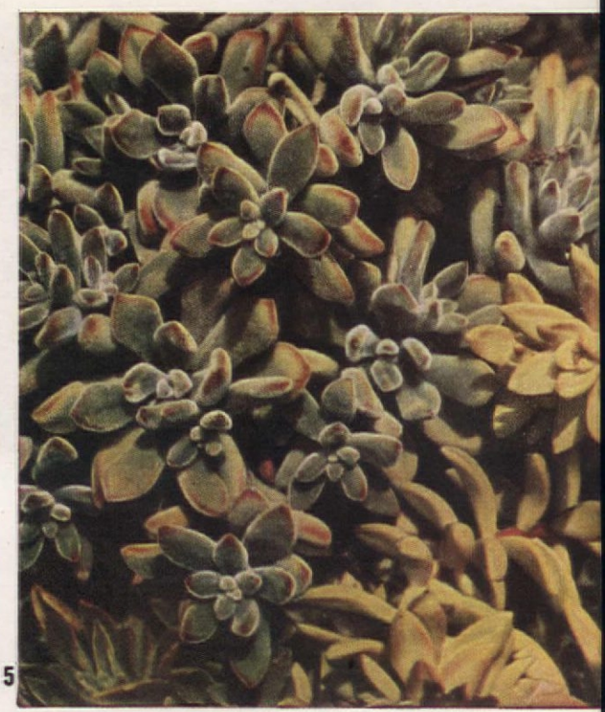

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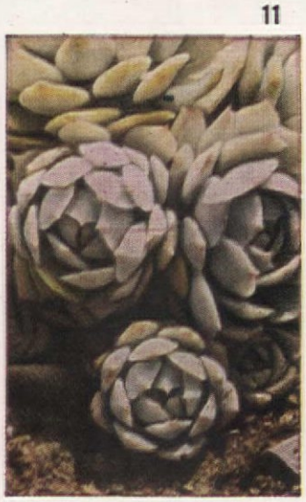

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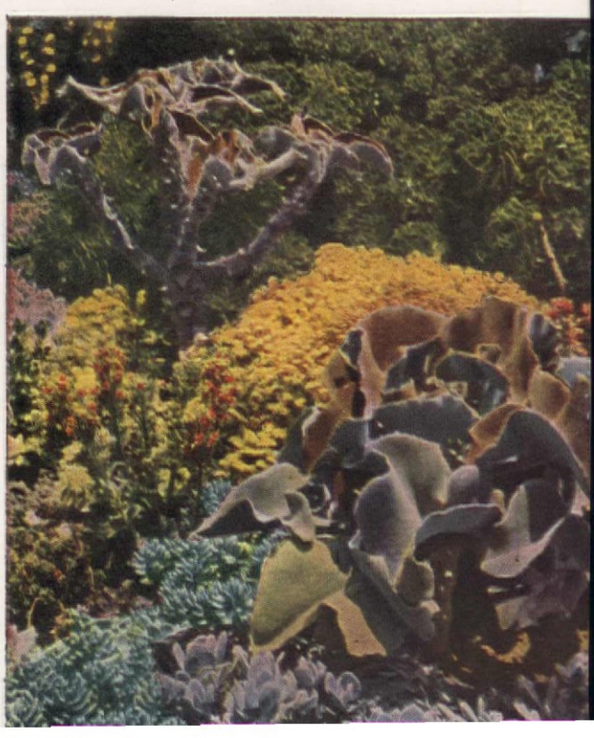

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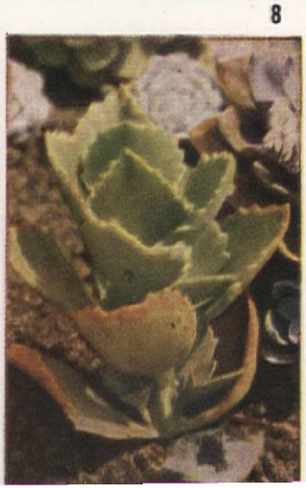


OUT *Went the Surrey*

Remodeled carriage house of

Mr. and Mrs. Paul R. MacAlister in Chicago, Illinois

Jean Austin

This former carriage house, remodeled directly after the war, solved the housing problem for at least one ex-naval officer. Its stucco exterior, an artful deceiver if ever we saw one, is modest to the point of being self-effacing; but its interiors are another story altogether. There's only one important room to a floor, but one is never conscious of being cramped. On the other hand, there's a cool airiness about it that is largely due to the expert hand of the tenant, Director of Interior Decoration for Montgomery Ward and Co. Without the use of mirrors, Mr. MacAlister has packed in more pleasant surprises than you'd find up the sleeve of the most expert legerdemain artist. There's excitement immediately upon entering the small foyer. Here walls are of corrugated plaster paper finished in a combed black and white wood effect; closet and telephone room doors are painted brilliant lacquer-red and are dashingly studded with bright brass stars. On ceiling and door trim, gold has been used with dramatic effect.

Principal room on the first floor is used for both living and dining. Here the stairway has been left open in the interests of spaciousness, an illusion further enhanced by the delicate philodendron vine climbing its graceful iron trellis. For balance, the opposite wall has been painted a deep green. The remaining side walls and ceiling are one color—a medium chartreuse. Bleached-oak shelves along these latter walls take the place of movable chests and make for easy cleaning of the gray wall-to-wall broadloom carpet. One shelf is deep enough to receive even the most sizable of periodicals, while its companion houses a radio phonograph. Furniture is arranged so that the largest number of people may be readily seated in conversational groups. Over the open shelf, interest is focused on a modern-looking torso collected in the Philippine Islands. It is actually a fifteenth-century ecclesiastical figure and is of one solid piece of Marra wood. Supporting it is a block cut from a section of 40 m.m. anti-aircraft gun.

● Covered with identical green marbleized paper of stair wall, unpainted drop-leaf table serves equally well for small or large dining groups. Doorway on left leads to small kitchen, while under stairs is located a hobby closet for storing games, household tools, and the owner's "hobby" photographic equipment

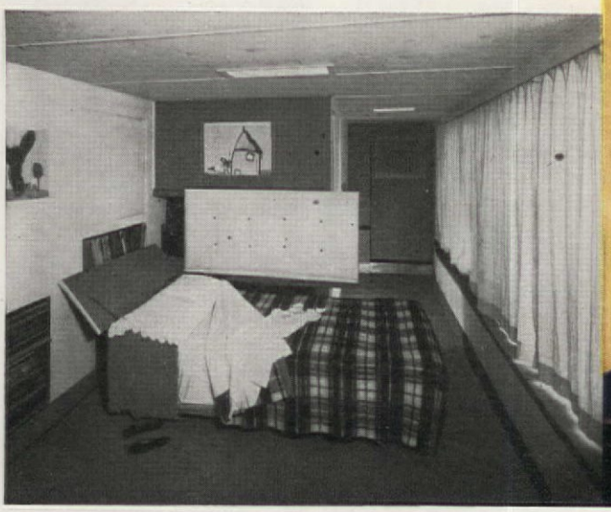
● Dividing second-floor master bedroom into sleeping and dressing areas is a wooden screen, laid out in open squares and carefully draped in sheer panels, ranging in color from deep rose to off-white. Mural over the headboard with built-in fluorescent lights is by Flolydia Etting and interprets the MacAlister family's zodiac signs

Photographs by Montgomery Ward's Photographic Department

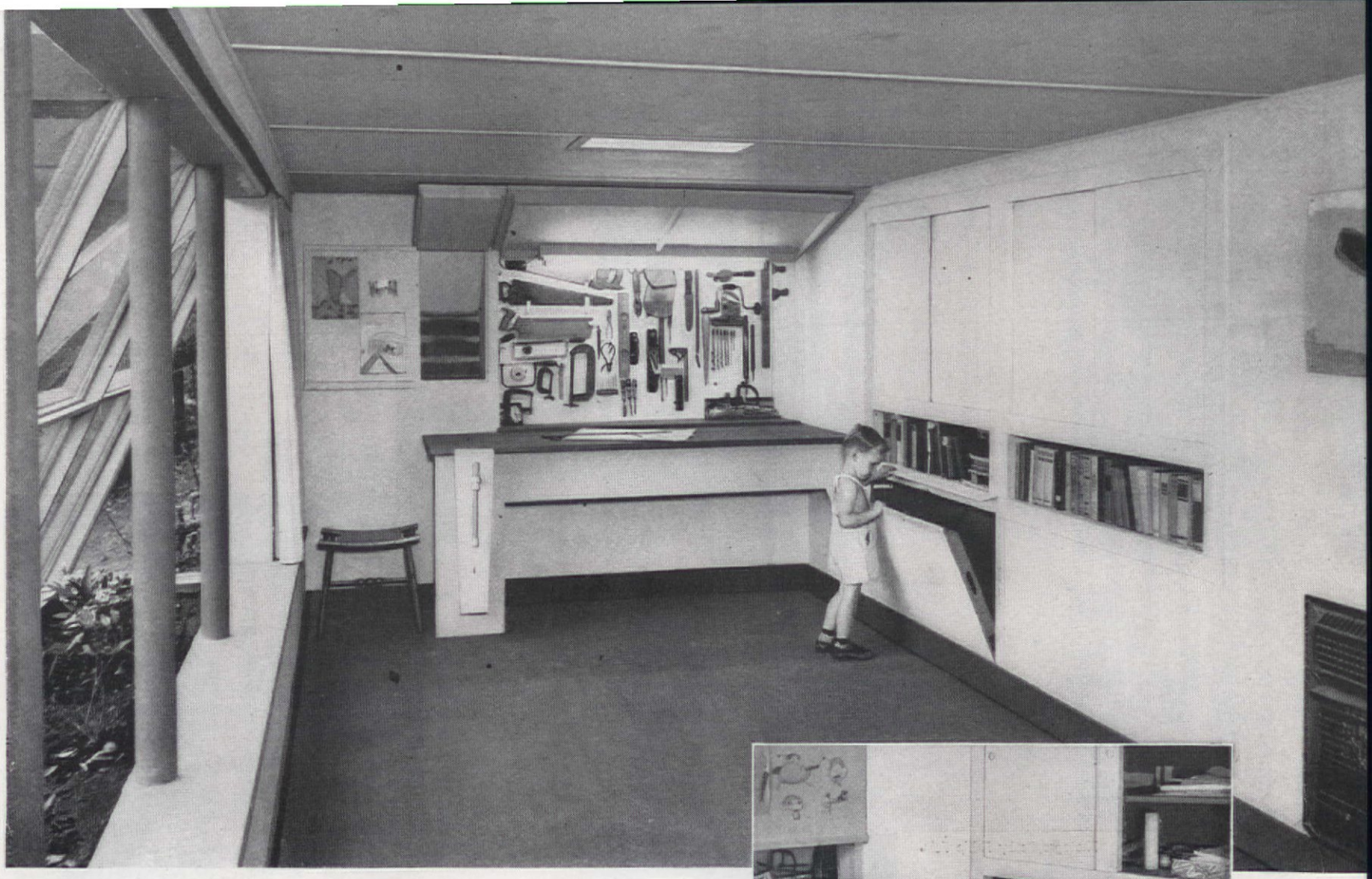
● CHRONICLE OF AN AMATEUR'S SIXTEEN-MONTH EXPERIENCE YOU MAY WANT TO MISS

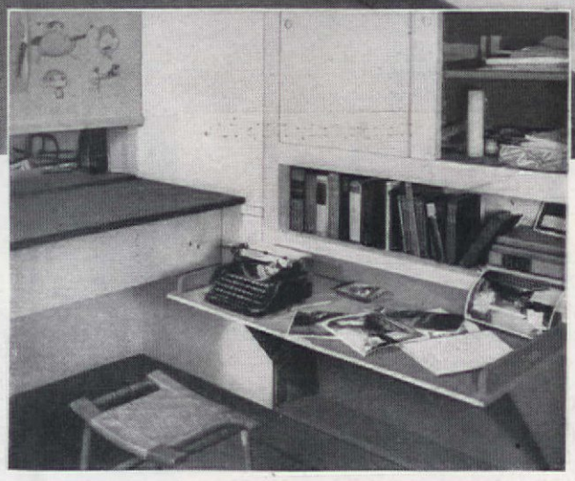
Bob Gilmore

THIS IS NOT A



● From one cluttered basement: an office, children's playroom for rainy days, sleeping space, additional storage space, stunning plant window





MERRY TALE...

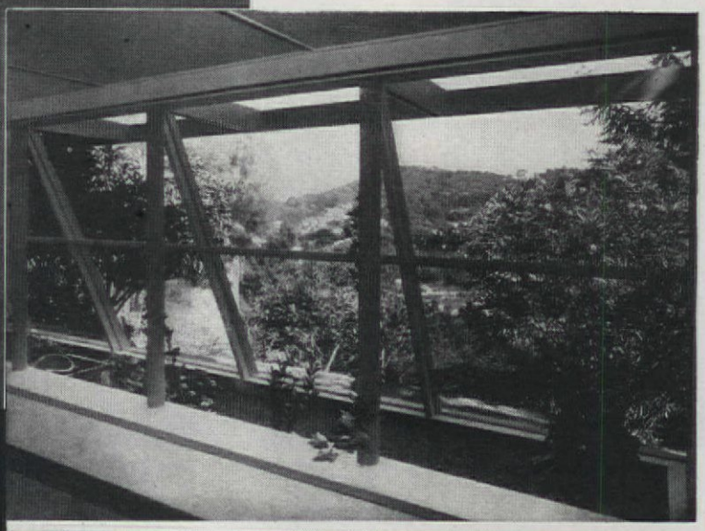
After a long procession of carefree remodeling stories with little regard for detail . . . as if splinters, sweat, and barked knuckles were all the gayest of picnics . . . the truth about remodeling will out

Truth is usually a difficult thing to ferret out. For instance, take remodeling. In the majority of cases you read about, although hired builders were called in, emphasis is placed on the "we-did-it-ourselves" angle. Often the story is told by an ambitious amateur who has converted an attic or basement and tells his jolly tale as though the whole project was more fun than a Mardi Gras. That's why I feel that the time has come for an honest, accurate account of one of these so-called miraculous transformations. In my language there's no such animal. Blood, sweat —yes, and even tears—are part and parcel of any remodeling job and don't let anyone tell you different. I should know 'cause I've been through the mill. If I had my experience to live over, you can bet there'd be changes. My own abilities would be weighed and judged well in advance.

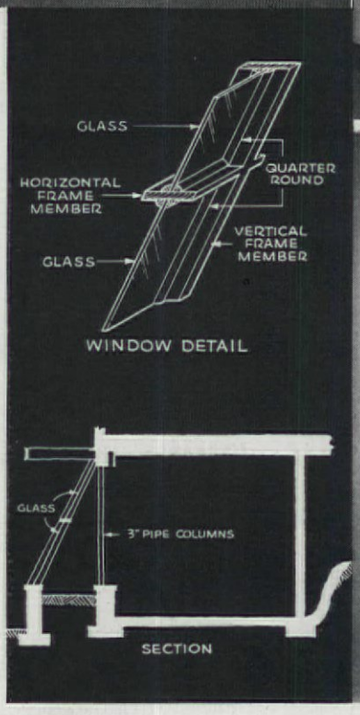
If the remodeling I did looks good, it's only an accident (editor's note: the author is much too modest); if it is sound, that's only because lack of engineering know-how had to be offset by extravagant efforts on the side of safety. Then, too, if the remodeled portion of our home functions for us, it's partly the result of careful planning, leavened by adjustments we've unconsciously made to the finished product. We remodeled to get (a) more sleeping space, (b) a room for my office, (c) more storage space, and (d) room for our three children to play indoors during the rainy

● Vertical open-slatted windbreak adds smart decorative effect to new room's entrance. Cantilevered trellis projects far enough out above long plant-window to break intense rays of sun and also acts as sturdy support for the grape vines soon to provide thick, leafy shade

● Only inside entrance to room is via ladder in storage closet. Those finding difficulty squeezing through trap door must go outside in order to reach other parts of house. Door at lower right is six inches deep, contains shelves for tools, etc.



Photographs by Philip Fein



season. Because we were determined to pay the costs entirely out of a very average income and couldn't let the project balloon on us, all the changes had to be confined to the space of one room. We toyed first with the idea of adding a bedroom and bath at the rear of the house but discarded that as being too expensive because it would necessitate added framing, roofing, and foundations, always major building operations.

The logical and next best place was the "creep space" under the house on the downhill side. Its walls were there, the floor above would act as roof, and the house foundations were naturally in place. We vacillated between having or not having a bathroom adjoining the new room, but again reasoned that it would produce too great a strain on the family budget. Looking back now, we realize the mistake and regret our decision.

Roughly, my intent was to dig until I had 7½ feet of headroom in the 32 feet of length and the 10 feet of breadth back to the first row of supporting piers. Then, I would knock out the front wall studs and boards, making way for an unbroken row of windows at least 24 feet long. This would leave four feet of solid wall at each corner to contain the diagonal frame bracing necessary to stiffen the house against middle-age slump. The back wall, along the line of piers, would be closed in and filled with lots of storage closets and cupboard space.

These were the plans at the start—simple and cheap. But the "best laid plans" routine was never more true than in my case. On first touching shovel to dirt, something happened and the project grew on us from day to day. Each step suggested a new gadget; each gadget fathered another, ad infinitum. If my first intent was rough, the digging was rougher. Six inches below the surface of loose soil, I struck solid shale rock which yielded only to the point of a pick. For three evenings I swung the pick and shoveled the shards up under the house while my hands swelled and finally blistered raw. At that time, with only a four-foot hole to show for my service blisters, I retired into my tent to map some new mode of attack. That week end, reinforced by two teen-age boys and revived spirits, I went to work again.

We tore off the siding along 24 feet of the wall and removed the two old windows. Then, with light enough to give us vision, and air to add vigor, we tackled the rock again. This time we shoveled the debris out onto the ground. Dave and Bob, my teeners, had more zeal than skill, and many were the times they narrowly missed braining themselves when a pick intercepted an overhead joist in mid-swing. In a few days, after their price had gone from 75 to 90 cents an hour, and I had decided that I alone could move dirt faster than they were doing it together, I paid them off and kissed them goodbye. From then on 'til midsummer, I pecked at the job myself during off hours, making the kind of progress that a constant drip of water makes on hard granite. But life is never monotonous. Hope and real help

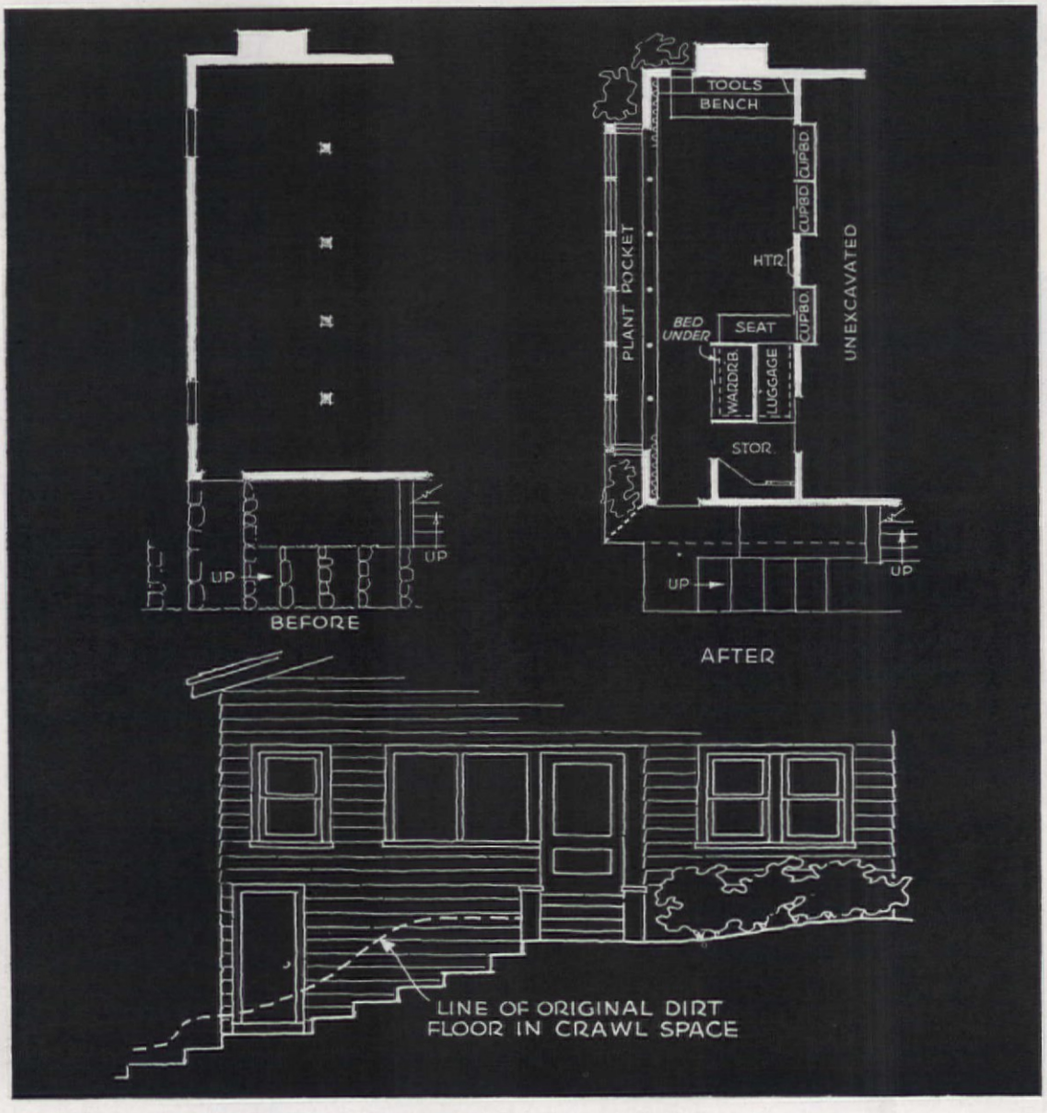
showed up in the form of the nephew of an old friend. Young Bob, with his Paul Bunyan muscles and grace of a lynx, stayed with us while waiting for his discharge from the Navy. In a couple of weeks, while Bob swung the pick with an unhesitating circular motion and I wore myself to a nubbin shoveling away the flying rock, the excavation was finished. The next logical step was laying the concrete floor. There was no way to get ready-mixed concrete to the spot. Mixing and pouring it on the site was too much for me to handle, with the fifty steps uphill or the several hundred steps downhill that were the only approach to our lot. So a Mr. Becker, his eight-man crew, a mixer and some air-compressor trucks—all on their way back to San Francisco after completing a swimming pool job upcountry—solved the problem. Life has its share of nice surprises.

They parked on the road below, laid reinforcing steel, and blew concrete through a long two-inch hose to spray a watertight floor and retaining wall along the back and both ends. Following that, they blew in the footings for the concrete-block wall of the plant pocket which, in my naïveté, I had reasoned would be a snap job. The slanting windows that reach out to form the plant-pocket area, followed naturally the completion of the plant-pocket wall. I built the frames and set the crystal sheet glass myself in spite of warnings from the glass dealer. Somehow, by luck or providential guidance, I cracked only one pane and managed to finish the glazing two days before the first rain. Then I went shopping for framing lumber and wallboard. There were no dry 2 by 4's; nor was gypsum board plentiful at that time. My wife bought that later, right off a carload that had been shunted into a local lumber yard. Nothing I wanted where I wanted it when I wanted it. So I started to compromise.

What I actually bought were used 2 by 4's, resawn from heavy timbers that must have been heat-hardened in the great San Francisco earthquake and fire. Cutting them dulled my saws, both hand and power. The latter had been borrowed to save time. I found, too, that handling this timber with anything but leather gloves left splinters that festered incessantly. I replaced all the studs still standing along the plant-pocket, with five lengths of used three-inch pipe. That entailed jacking up the wall, at four foot intervals, with a 90-pound house jack. The latter had to be lifted six feet in the air to rest on plank cribbing, after which three studs were knocked out and replaced with a single pipe column.

My next problem, until then unsolved through sheer mental inertia, was the floor furnace, hanging deep into the room from the floor joists overhead. It could not be moved from its pendant position, yet I didn't want to build a false wall around it and waste so much valuable space. Around it I first planned a simple wall to form a cabinet, but to have this jutting into the room wouldn't have made a good design. As the job grew on me I finally ended up with a unit which combines a rollaway bed, wardrobe, and storage space for luggage. Beyond this unit is a cool, dark room, ideal for storing canned goods. Since a stairway would have robbed the new room of many square feet of precious space, I built a ladder down into the storage room from the closet on the closed side porch.

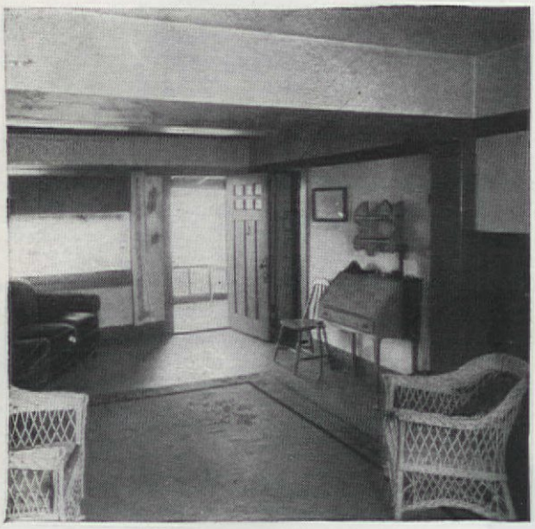
When the wallboard was in place and the electric wiring and wall-heater connections made ready, I concentrated on cabinets and cupboards and finished trim. The flush lighting fixture for the ceiling is my own make and is a simple box of one-inch lumber set with 25-cent sockets. The cupboards and cabinets were built of 3/8-inch plywood, nailed and glued securely at all joints with waterproof resin glue. The sliding doors in the cupboards and wardrobe are plywood; they slide, without hardware of any kind, in grooves lubricated with paraffin. If you should want doors that glide shut at a gentle touch, don't use this method. To hide the tool panel over my workbench, I hinged a door that swings up and fastens open at the ceiling. A fluorescent light tube throws light on the bench and on my disappearing desk. The workbench, itself, was built of one-inch waterproof plywood, and the vise was made of rock maple salvaged from the top of a laboratory table. To a double-bed box spring, I added four casters, then built a frame and hinged a seat top at the head end. The bed rolls into the pocket under the floor furnace and wardrobe, leaving just enough room for sofa width.



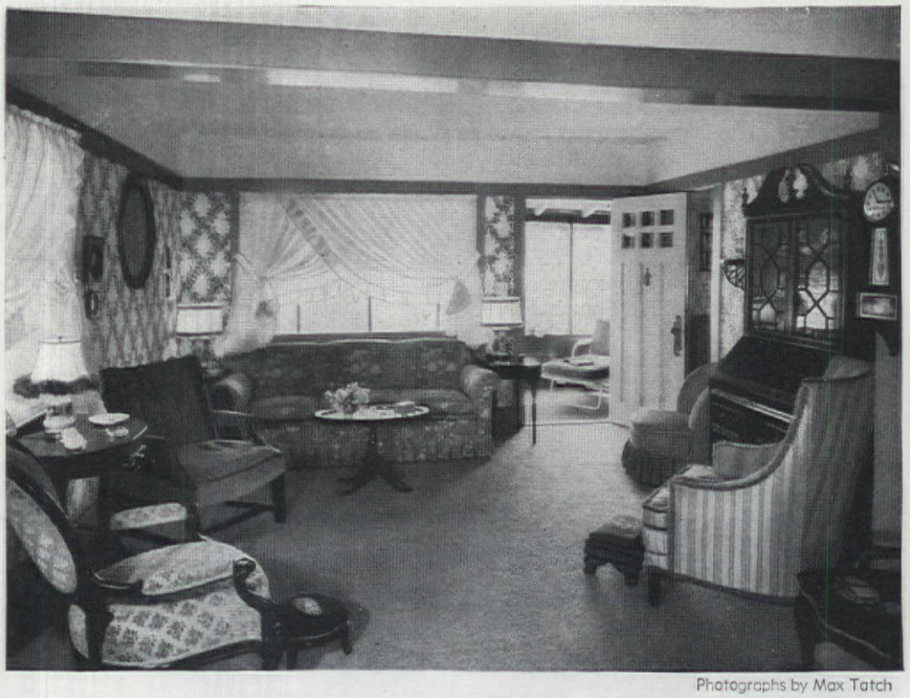
Painting the room was actually our worst headache. The gray for the ceiling, plant-pocket wall, and workbench was easy. But we hit a snag with the yellow. Instead of mixing more than enough paint to allow for retouching, I inadvertently mixed just enough to cover the walls. As always happens, retouching was necessary, and I had to spend a half day mixing and matching, remixing and rematching until a decent approximation of the original batch was struck. We wanted an earthy red-brown to contrast with the yellow. To gain this, I began with a light yellow to which I added bulletin-red, burnt umber, and lampblack. These were all oil colors. After two trips to the paint store for more colors and a lot of advice, I finished with an embarrassed red-brown. Its nearest relative is maroon, but any respectable maroon would blush pink to be seen with it. However, we've had no complaints.

As far as outside additions were concerned, I needed some kind of a shade to break the direct sun that streamed into the plant-pocket. Thus was born the "eyebrow" that extends along the front and around one side of the house. This trellis is formed of 1 by 6 inch boards, bolted to the window frames and cantilever-braced with screen-door turnbuckles hidden between the double boards that project from the wall. Grape vines are planted at each end, and eventually these will grow into a leafy awning. With this start, the rest of the house had to be dressed up to compete with the new room. I straightened my aching back, drove to the paint store and came home with ten gallons of house paint. A month later, my job completed, I threw the beaten brushes into the trash can and dropped the lid on a job I'll never, never, attempt again in my lifetime.

Since one of the virtues of experience is that it can be passed along, our homemade remodeling job may have some value for others. You have, of course, the privilege of making up your own mind. All our evidence adds up to this advice: When you feel the urge to remodel, hire yourself a good contractor, then settle back in the softest chair you can find and improve your mind with a good book while men who "know how" do the hard work the easy, professional, experienced way.



Soft-green paint, jasmine-patterned wallpaper replaced oomy fumed oak, "cracked-ice" paper. Green carpet widens or area. Furniture is new, but would have looked dingy played against outdated backgrounds of previous room



Photographs by Max Tatch

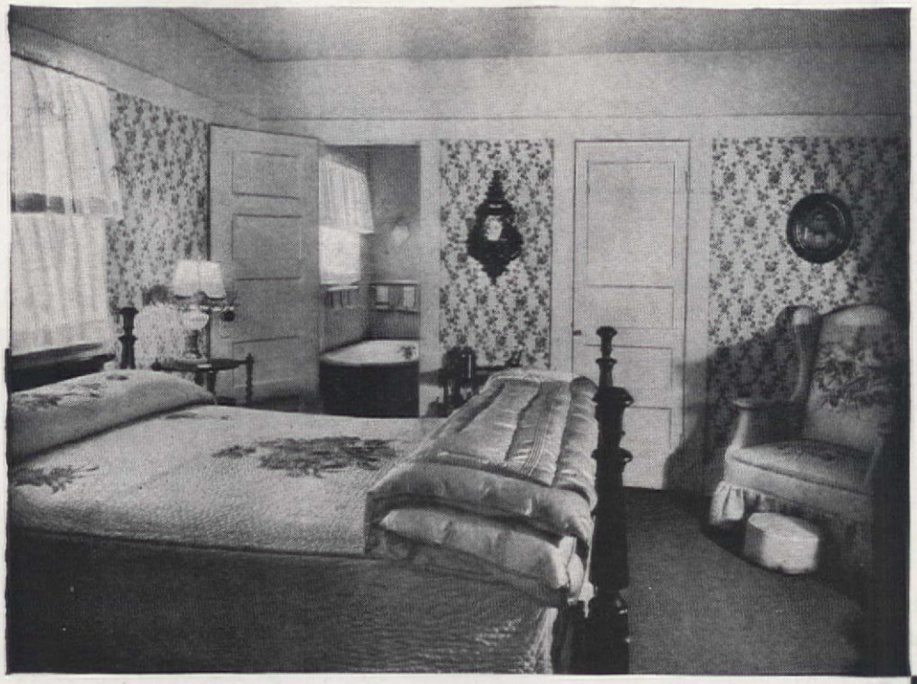
Jean Burden

SLATTERN *becomes* CINDERELLA

The magic wand, the fairy godmother, and the legendary transformation from ugly to beautiful has its daily application in modern living—even in interior decorating. Mr. and Mrs. J. C. Fitzsimons found it so when they inherited a piece of property in Los Angeles and with it a three-and-a-half room house that, to put it mildly, needed abracadabra in the worst way. In the amazingly short time of five weeks, they labored hard and turned their disgraceful slattern into a Cinderella of unusual charm.

The fact that everyone said it was an impossible task only spurred them on. True, the house was almost fifty years old; the wiring was antiquated and the plumbing ditto; the floors weren't hard wood; and every square inch was not only filthy but peeling its paint or paper. *But* the basic structure was still strong, the layout of the rooms attractive, and there were a few nice features like the heavy beveled glass in some of the windows. After the new wiring was installed, soap and water, putty, new plaster, paint and fresh paper accomplished the first stage of renovation.

In the combination living-dining room this meant taking out the old wrought-iron wall fixtures and telephone; removing the paper from walls and ceiling; laying down moss-green carpeting from wall to wall; painting



● Ugly, depressing bedroom now has fresh, sprigged charm of country room. Pictures clearly illustrate that major effect is due to clean white paint, pretty paper, green carpeting. Door leads to dressing room

● Former porch entrance was centered, split usable area. By relocating to side, installing screening, comfortable outdoor living space was gained. Old sewing machine drawers hold ivy

● Old range projected beyond vent. Moving water heater into closet made room for correct placement of modern range. New refrigerator relocated. Tile counter remains, cabinets added at base

all woodwork (including the old-fashioned built-in buffet) the same shade of green. The ceiling was painted white and the walls papered with a jasmine pattern. Already Cinderella had her petticoat. Mr. and Mrs. Fitzsimons spurred onward.

The bedroom was fully as appalling as the living room had been, and the subsequent transformation just as dramatic. The same soft-green carpeting was brought in to cover the floor, and the woodwork and ceiling were painted white. The paper is an old-fashioned trellis motif of rose, blue and green. The bathroom also had its face lifted.

Green linoleum went down over new flooring in the kitchen to match new ivy wallpaper. Luckily the tile on the sink was still in good condition, and only doors needed to be added below. An old cooler in one corner was converted into a neat spice cupboard, and open shelves opposite turned into closed cupboards for china and glass. With frilly dotted-swiss curtains at the window overlooking the flower garden, Mrs. Fitzsimons had as gay and compact a kitchen as she could desire.

The "new look" didn't stop here, but continued through the front porch which was once open to the elements but is now screened in. Painted two shades of green and furnished with the wicker chairs saved from the old living room, it also sports new, outdoor lounge chairs and an old-fashioned sewing machine that Mr. Fitzsimons laughingly painted white and planted with ivy. The old center door was moved to the side, and steps go down the hill past newly planted young roses, petunias, and geraniums. Cinderella has emerged from obscurity and is now ready for her pumpkin coach!

At first glance you'd think this aged house was ready for the house wreckers. You'd be almost right. But the sound construction of the 20's plus the determination of its owners worked mild magic. Another triumph for wallpaper, fabric, and paint pot!

PATTERNS WITH *Chinese* CHARACTER

The "Chinese taste" has been one of the most enduring influences on decoration through the ages. Costly silks, beautiful porcelains from the Far East, were treasured even in the Middle Ages. In Colonial days ships journeyed more than halfway around the world to bring the prized wares of the Far East to New England shores.

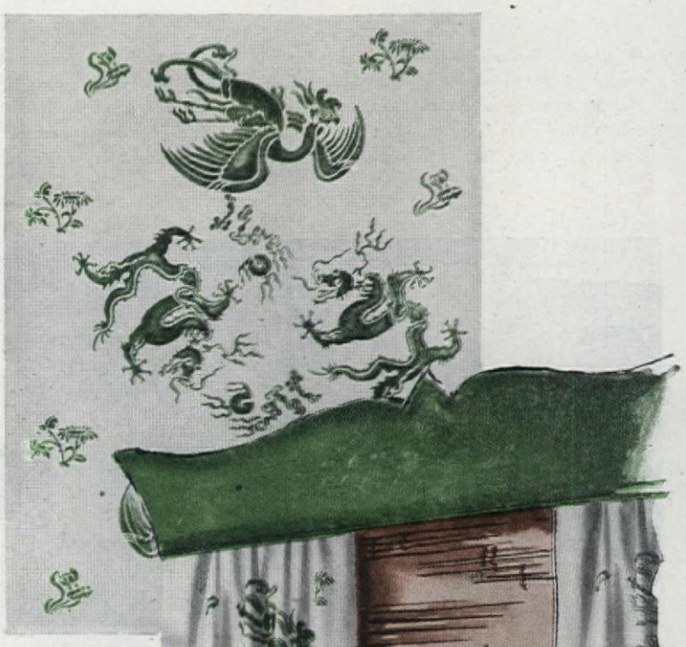
The *Chinoiserie,* the *Pillement* motifs of the Louis XV period in France, bear this unmistakable Oriental stamp; the Chinese taste flourished in Eighteenth-century furniture and design in England.

In recent years Chinese modern has established itself as a style, traceable to our own West Coast, springboard of Oriental trade. We have adapted traditional Chinese motifs into fresh new patterns. For a real decorator-look, stencil one pattern on both walls and window draperies.

Order form and descriptions of Chinese stencil patterns on page 96

AMERICAN HOME PATTERN 1020

Designs by Meredith Bowman



AMERICAN HOME PATTERN 1021

AMERICAN HOME PATTERN 1022

Drawings by George Prather
Photographs by F. M. Demarest

Builders, Warr-Built Homes Company
Interior Decoration, Harbour-Longmire
Data from Eugenia White
Story by James M. Wiley

Photographs by Johnny Melton

Oklahoma builder shows it can be done!

5 AMERICAN HOMES

ALL FLOOR PLANS ON PAGE 50

Mayfair Heights, a suburb of Oklahoma City, is a new community of contemporary homes of an architectural style relatively unknown in this state. A "builder's development," the project is the brain child of Messrs. C. B. Warr, Gene Warr and Clark X. Pace. As evidence that this simple modern conception of what a house should be has gained wide acceptance here, one has only to perceive the "Sold" sign which is usually erected soon after the concrete slab for a new house has been poured.

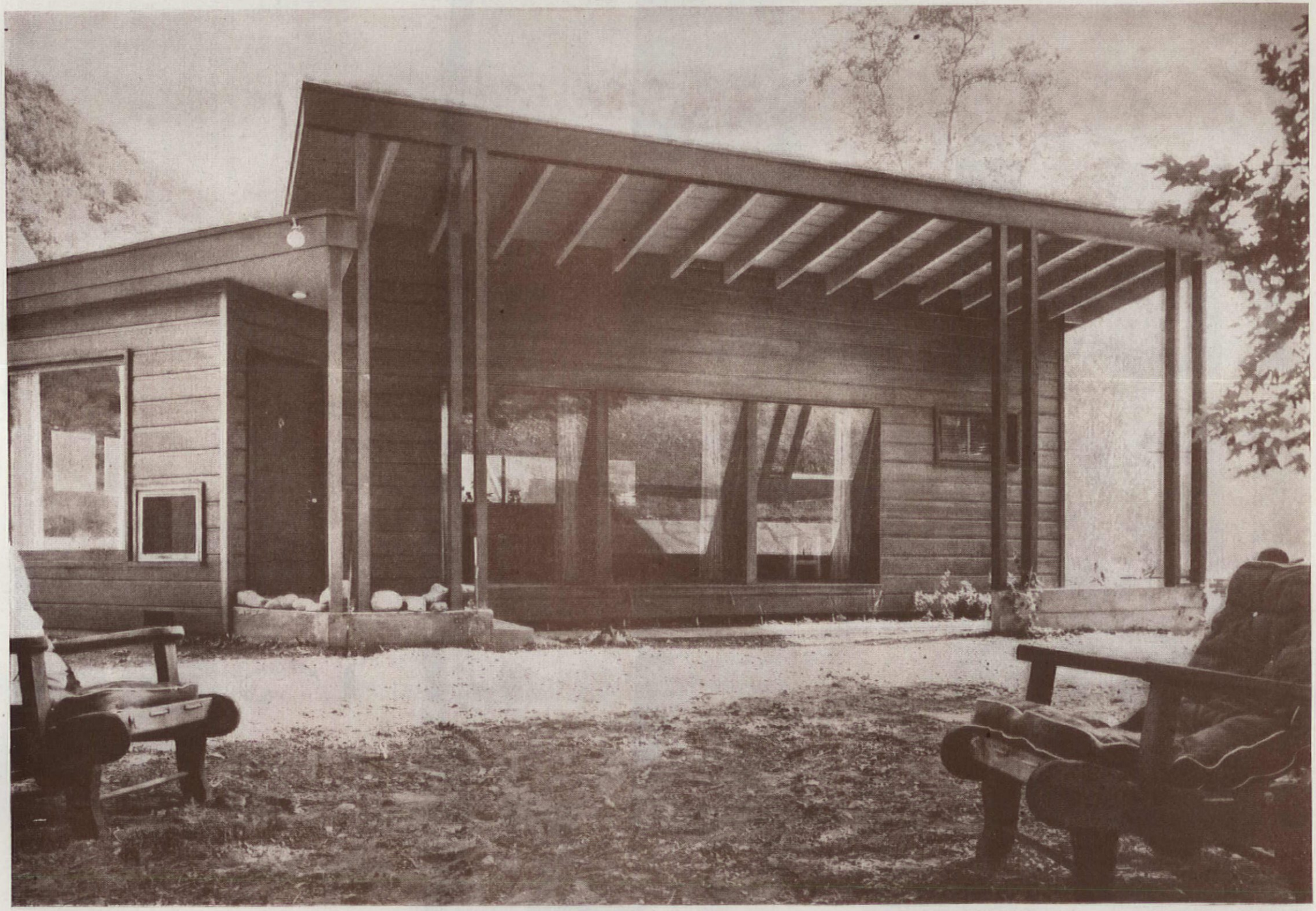
The Warr-Built Homes Company, long a part of the Oklahoma scene, built some of the first brick bungalows in the community, later built and sold the popular studio-type house. When they first opened Mayfair Heights, the company built a hundred and fifty conventional, boxlike two-story houses. They sensed in the comments of buyers a new trend in the minds of their home-buying public. In the face of their own serious doubts, they decided to experiment with a more modern type of architecture.

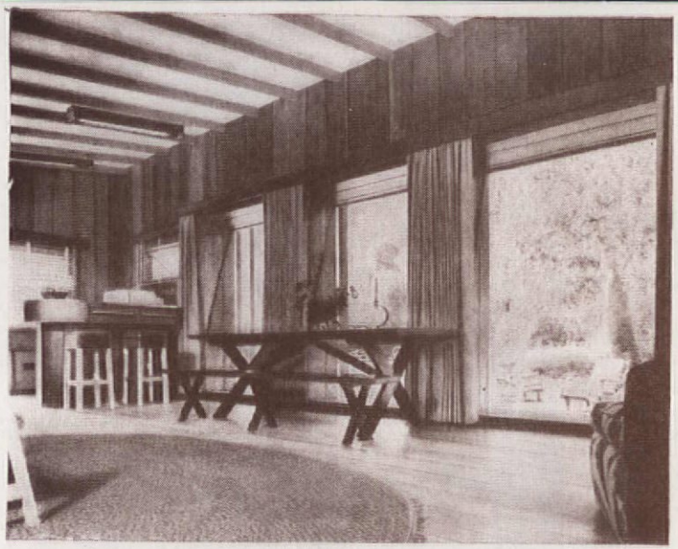
The resulting houses are a product of close co-operation between architects and builders. William W. Caudill and John M. Rowlett, professors of architecture at Texas A. & M. College, designed the homes.

Of brick veneer, the houses rest on concrete slabs, have a combination of interior brick and lath-and-plaster walls. Interior brick walls are often left natural, occasionally painted to suit the owner's tastes. Windows are a combination of fixed sash and movable louvers. Roofs are shingled. Most houses are heated by wall-type electric heaters. Generous wardrobe closets in the bedrooms are equipped with sliding doors. Each house is supplied with an attic fan, a washing machine, and carpeting in all major rooms.

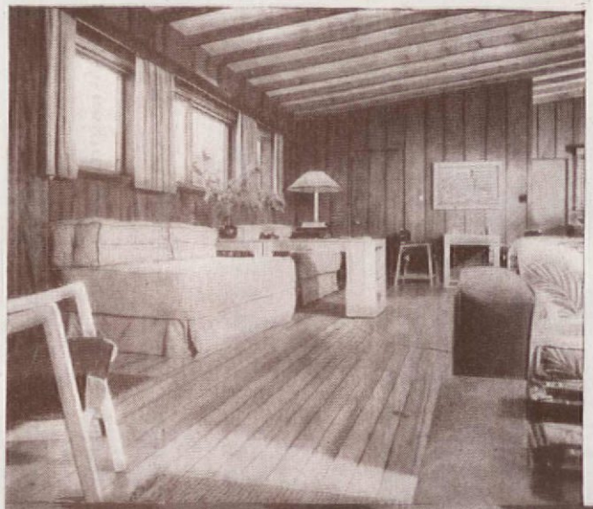
Ethel McCall Head

David Mellinkoff's one-room home HAS A FUTURE





Photographs by Julius Shulman



When young David Mellinkoff returned from active duty overseas, his one dream, after getting a car, was to build a house that would naturally grow with his needs. Together with Ronald White, a designer friend, such a house was planned.

The house they built consists of only one room, a very large room, small kitchen, and bath. But, and this is a very large BUT, every part of the house can grow logically. The modest kitchenette will increase in size by the removal of a very short wall, while the bath may be opened easily to service porch and maid's room. At the fireplace end of the living room, a large sheet of glass was placed in an opening designed to give access later to a hall which will lead to the new bedrooms. Acting as a dramatic entrance detail is the heavy overhanging eave, sheltering the slanted, fixed-glass window. Chartreuse used on its underside adds life and relieves the darkness of the redwood which has been used as both exterior and interior finish. Inside, a rounded counter can be used as buffet table and is a fine spot for quick meals.

The Templetons build in Highland Park, Illinois

For those who don't hold with extreme modernists yet aren't quite satisfied with tradition for tradition's sake, this gray clapboard house, with its spanking white trim, dark-green shutters, nostalgic flavor of Early American farmhouses, should have a definite appeal. The oversize trellis, flanking the projecting stair hall at the entrance, adds a certain zest to the street elevation and is in keeping with the clean cut restraint found both indoors and out. Notice the living-room fireplace, almost devoid of detail, yet adding welcome contrast to the scalloped bookcases. Lime green on walls of this room combines handsomely with the rose, green and white floral chintz of the draperies. All the woodwork has been left natural birch. Upstairs, a light, minimum stair hall leads directly to the bedrooms, nursery, bath, and linen closet.

Two-story entrance trellis plus simple roof extension bring farmhouse-type design right in step with the times

Photographs by Nowell Ward
Data: Ruth W. Lee

PLAN ON PAGE 50

● Glass door at end of dining room is flanked by plant shelves, leads to screened porch. Lattice partition between dining and living rooms, plus same lime-green walls, add space and flexibility

Our cover house is the home of

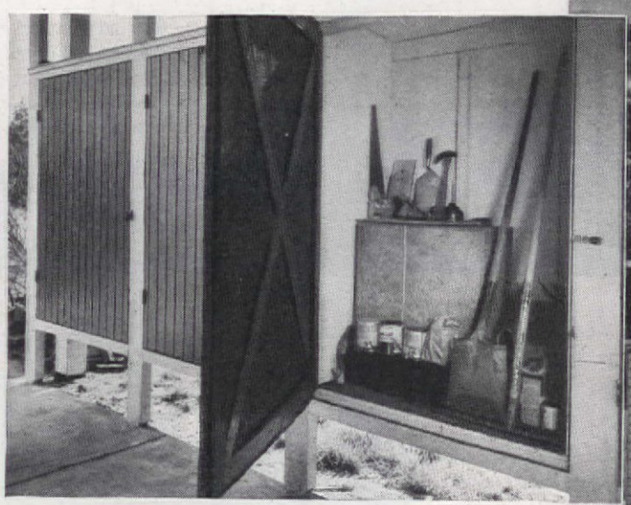
Mr. and Mrs. Donald L. Kline in Massapequa, Long Island

PLAN ON PAGE 50

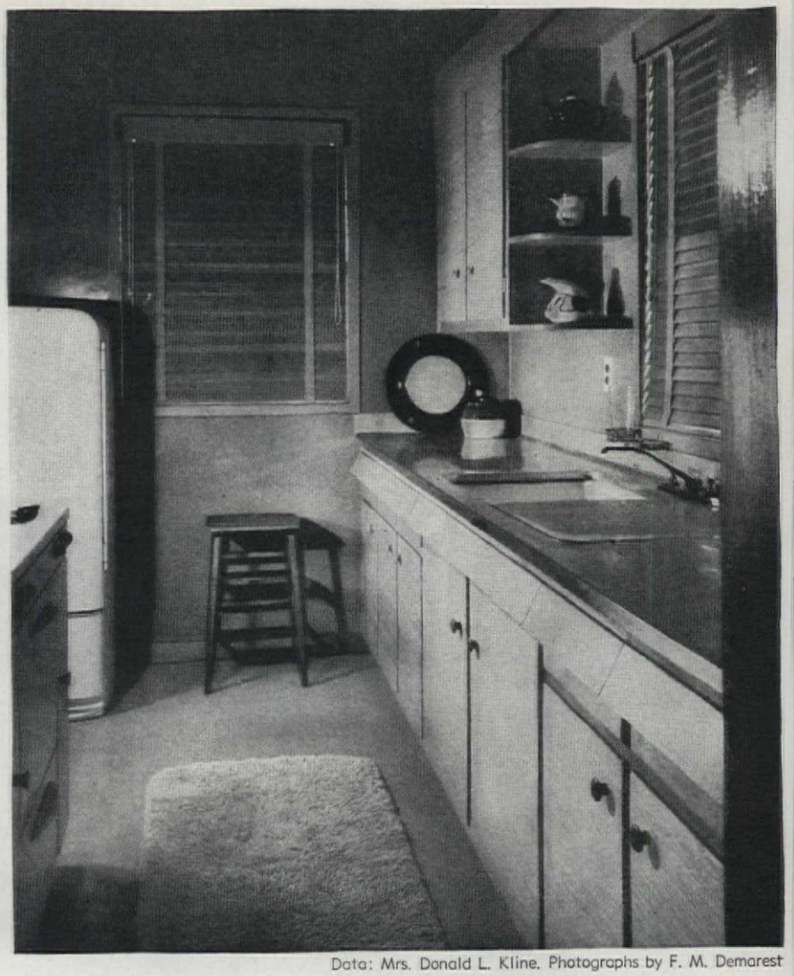
No mass production here, yet this house, plus land, sold for less than $12,000 in 1947

William J. Hennessey

In these days of stratospheric building prices, it does our hearts good to find a house, well designed and custom built, that doesn't do a "Jesse James" on the average family budget. Thanks for this must go to architect Caleb Hornbostel and designer Jean P. Trouchaud, who not only drew the plans but also bought the land and supervised the project from bulldozer to final push button. The price is really newsworthy since modern design has always been considered a luxury item. Nevertheless, this house sold for less than did thousands of traditional houses of the same size in surrounding neighborhoods. No one got rich on the job, profits were slim, but, in spite of temptations to skimp, no compromises were made. The satisfaction of honestly licking a tough prob-



● Two distinctive exterior features are carport with row of hanging tool-storage closets and sloping window with wide overhanging eaves to cut sun's glare from living room

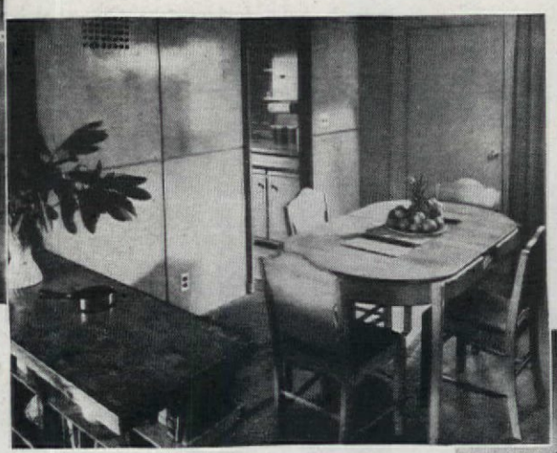


Data: Mrs. Donald L. Kline. Photographs by F. M. Demarest

● Corner fireplace serves both living and dining rooms and has breast of concrete brick set with prominent vertical joints, blond wood mantel shelf blends naturally into built-in bookcase

● In the bright kitchen, natural birch plywood cupboards, built on job, glow against the turquoise plaster walls, yellow linoleum on floor and counter tops

● Master bedroom, lower right, is warm with rich brown draperies and bed spread. Three walls painted apple green, one papered in complementary meadow design



lem was reward enough for these two pioneers. Mr. Hornbostel is now going it alone and expects to achieve even more surprising results along this line in the near future.

The Kline house, backing on a picturesque canal, is of brick and flush boarding with tight-clipped eave lines which give it a rather perky look. An open carport, unique in the locality, has been most successful even through last winter's severe test. A string of hanging cupboards along the carport's outer wall affords loads of usable storage space for garden equipment and also acts as a buffer against the elements. Looking across the gently curving entrance drive, the large, slanting living-room window at once becomes the focal point. This sash has been especially designed to keep the sun's glare from the interior. Its wide sill affords space for the decorative arrangement of plants or for displaying magazines and books.

Entering the bright-orange door, we find ourselves in the living room with its soft-gray walls and touches of cool chartreuse on chairs and draperies. The corner fireplace, placed at the intersection of living and dining rooms, is of concrete brick, ranging from true mauve tones to deep rose. Mr. Kline is responsible for a great many of the built-ins and is especially proud of the low modern bookcase of Finnish birch that divides the two main rooms. This lack of partition gives more spaciousness and flow to the two rooms. Geometric panelling along one wall of the dining room is of the same birch, in natural finish, and complements nicely the light, blond oak furniture used throughout the house.

A small room which houses the winter air conditioning-heating system is directly behind the fireplace and adjoins the kitchen. Two bedrooms, a bath, and an astonishing number of really usable closets comprise the rest of the house. Both sleeping rooms have ample wall space for the proper placing of beds and also cross ventilation to catch the welcome sea breezes. Another outside entrance leading into the dining area helps reduce delivery traffic into corner kitchen.

Looks beautiful, works beautifully—that's the way you feel about this new kitchen and the new Rheem Automatic Water Heater

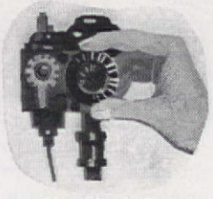
HOW HOT should your Hot Water be?

105°, 120°, 160°... you need them all. Just turn the dial for the right degree.

By R. E. James
Rheem Heating Consultant

The new, automatic water heaters available today offer such flexible temperature control, you can dial in the degree as easily as tuning your radio.

The advantage is that your water is properly heated for each use, without waste or discomfort. Washing machines, for example, work best with 160° water, while your bath should be heated to only 105°. But household duties such as dishwashing call for 120°.



One Simple Dial

If you have an automatic Rheem, you just set the thermostat dial at a happy medium, say 140°. That temperature will provide water hot enough for most of your daily needs. And for a big wash, simply turn it up to 160°. Do the same thing when you occasionally need hotter water for scrubbing or other special cleaning purposes.

The Rheem then shuts itself on and off as necessary, conserving fuel yet evenly maintaining a constant reservoir of hot water at whatever temperature you wish.

The Hotter The Whiter

Don't make this mistake, however. With an old water heater, or one that's undersized, some people heat the water hotter than they really need, then mix it with cold water to stretch their supply. This overheating of an undersized tank shortens its life and increases your fuel bill.

If you get an automatic water heater, like the Rheem, which comes in the proper size for your home, you won't ever have to overheat the water in order to have enough.

Thanks To The Tank

You can operate the Rheem at whatever temperature you need, *without damage*. The tank is Rheem-Processed—made of heavy gauge steel fused with an even zinc coating. This process guards against corrosion, prolongs tank life, and keeps the water clean and fresh. The tank and water heater are guaranteed in writing by the manufacturer. You can prevent the most frequent source of trouble if the tank is really reliable.

Check Before You Choose

Keep these features in mind when you buy. Remember too, that you can get a Rheem Automatic Water Heater for any type of gas, or for oil or electricity.

They have all earned the Good Housekeeping Guaranty. Gas models are approved by the American Gas Association, oil and electric models by Underwriters' Laboratories, Inc.

Your plumbing dealer will help you choose the right size water heater for your home, as well as the most economical fuel.

Rheem

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Please send me free detailed specifications on Water Heaters for ☐ gas, ☐ electricity, ☐ oil.

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HOMASOTE

gets a letter

Long Branch, New Jersey
October 22, 1947.

President
Homasote Company
Fernwood Road
Trenton, New Jersey
Dear Sir: —

I am one of 56 men who constructed and then lived in the Byrd Expedition buildings (at Little America, Antarctica for over a year in 1934-35) which were assembled from Homasote lined sections left over from the establishment of the first Little America in 1929. These sections were already the veterans of five years' storage in damp New Zealand warehouses, but were still so strong and easy to saw, fit, and assemble that we were considerably surprised. But when we had dug down to the old camp and found also that the Homasote in the original buildings was in perfect condition after one year of soaking in melted snow (1929-30) and five years under the terrific pressure of 20 feet of ice, we were completely sold. When other wallboards would have pulped, cracked or dissolved, Homasote remained firm and trustworthy insulation against blizzards and temperatures to minus 75!

I am not in the habit of using my few leisure hours to throw bouquets, I have too much to do, but I feel that merit deserves reward, so here goes — believe it or not, the above remarks are paled into obscurity by my present opinion of your fine product. When, as a technical observer, on the recently concluded Navy "Operation Highjump", I was one of the few who were privileged to dig down 12 feet to our old home 10 miles from the newest camp-site. I found the 18 year old Homasote in the walls and ceilings of the "Messhall" and "Science Lab" (the only buildings we could reach) absolutely unharmed by time, water, or cold. Hundreds of tons of ice had forced up the wood floors and pushed down the ceilings until they met in the center of the rooms, and puddles of ice everywhere evidenced the repeated freezing and thawing of the many seasons, but the *walls* were *straight, unbuckled* and *scarcely stained.*

Later, when our Expedition was leaving for its return to the States (February, 1947) and I had occasion to make one last run to the old camp to mark the entrances against the future, I hacked out a piece of the messhall wall to send to you for analysis. I am mailing it to you for whatever purpose you may wish to use it, and if you ever want me to convince some doubting customer of yours, just lead me to him. At least I can assure you that when at last I build the home I've been planning throughout several years of roaming the world, the insulation will emphatically be Homasote.

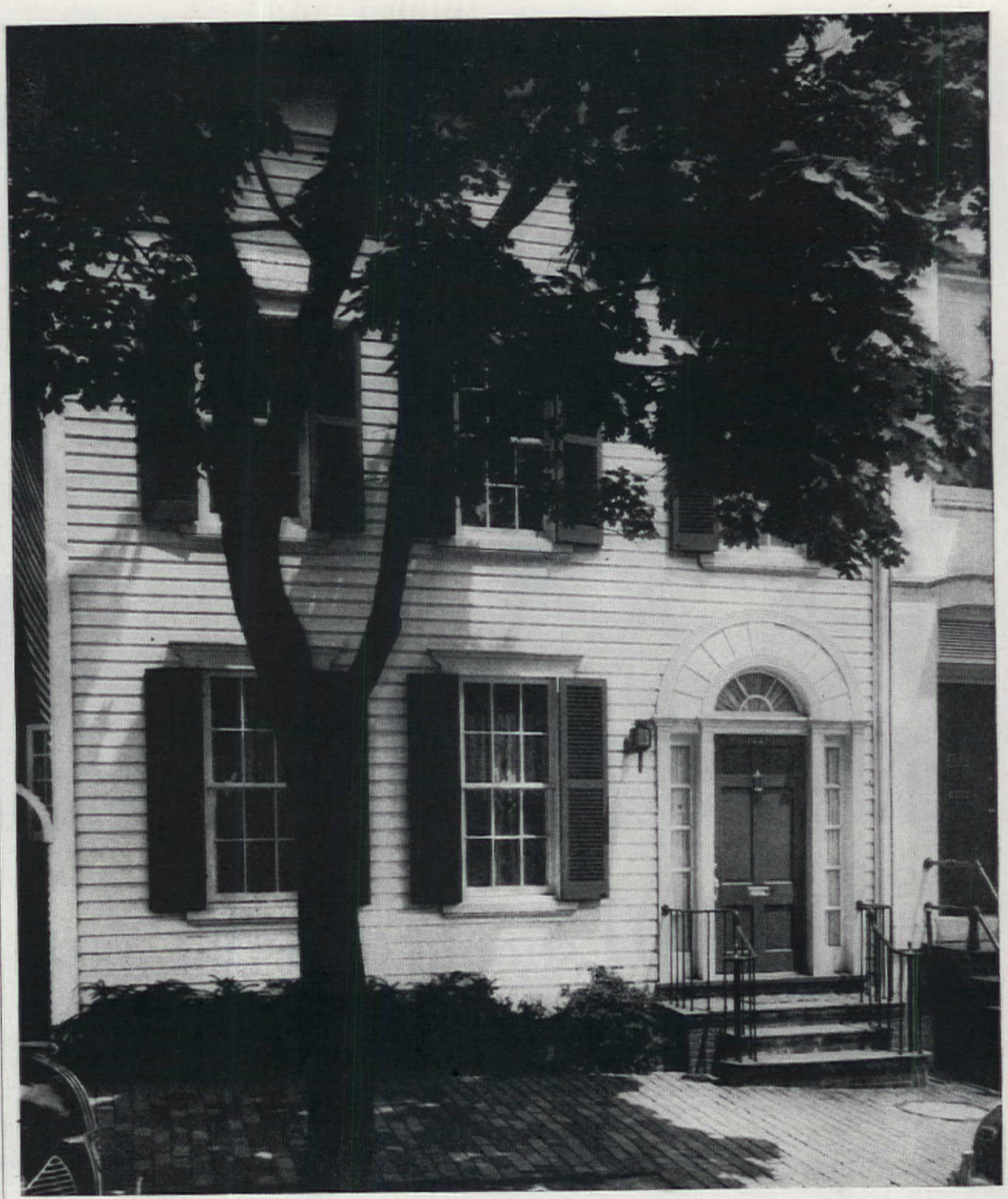
Yours sincerely,

Amory H. Waite, Jr.
Radio Engineer
BAE II 1934-35 and 1946-47

P.S. I forgot one item. When I was carrying your specimen up the rope ladder from the whaleboat to the ship, it fell out of my pack and drifted away to sea. To my amazement its generation-old waterproofing qualities were still intact for it kept floating! Another boat speared it with a boat hook an hour later and returned it to me, punctured, but still definitely useable wallboard. The hole, therefore, is a badge of honor rather than a defect.

AHW

HOMASOTE COMPANY
Trenton 3, N. J.



Photographs, Fred Gund

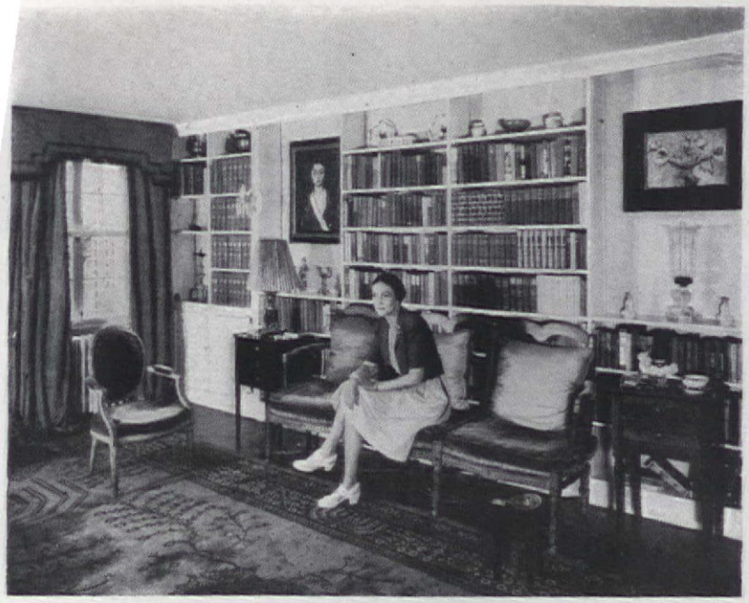
Restoration in GEORGETOWN

MAYBELLE MANNING

A cloppety climb up a cobble-stoned hill and one comes upon an absurdly small, absurdly "citified" white clapboard town mansion in all its historic prime nestled under the biggest and greenest tree in all Georgetown. This postage-stamp mansion with its air of snobbish Colonial gentry spells, in this threatened world, all that is home to journalist Eve Hinton.

From the moment one steps directly from the pink-brick street walk into the front hall with its broad-boarded floor as immaculate as a polished pebble, one senses this is a house to be enjoyed for its style and elegance. Cool-white walls throughout create an illusion of spaciousness. One is caught in the fragrance of the spotless, gentle-mannered rooms maintained with a pristine great-house air.

Having lived abroad for many years in London and Paris, Mrs. Hinton is intolerant of mediocrity. For all the variance in her possessions, there is elegance, a proud air, and an echo of romance in the use of long-used, long-owned furniture, dearly loved old pieces from London, Paris, and her home down in Tennessee.



● Elegant draw-curtains of sage-green taffeta retrieved from her house in Paris, miniature French drawing-room chairs, Provencal setee, unmatched Directoire end tables, Oriental rug, original fireplace and, for embellishment, portraits of Mrs. Hinton, compose the distinguished drawing room. Beautiful Directoire sideboard in acajou with top of rouge Royale marble, Louis XVI cane-back chairs, Louis XV chandelier and dainty trumeau in the sumptuous, small dining room

Pieces from the Randolph-Lee Collection

Picture YOUR BEDROOM

Picture the lovely Randolph-Lee Collection by Drexel gleaming softly in your bedroom. Inspired by exquisite Hepplewhite originals, these pieces mingle gracefully with any traditional furniture you own . . . Picture the charm of a sleigh bed, of handsome bow fronts on the dresser, the night table, and the chest on chest not shown here . . . There's a distinguished vanity, too, with serpentine curves . . . Picture rare cabinet-maker details like matched fiddle-back mahogany veneer and hand-carved overlays . . . And there's amazing storage room in all the drawers.

See the blendable Randolph-Lee Collection at leading furniture and department stores. Look for the "by Drexel" brandmark—your proof of superior craftsmanship.

Write today for booklets: "18th Century Traditional" — 26 pages — 10c in coin only; "Precedent" — 27 pages in full color of Drexel's new modern furniture — 25c in coin only. Address: 1472 Huffman Road, Drexel, N. C.

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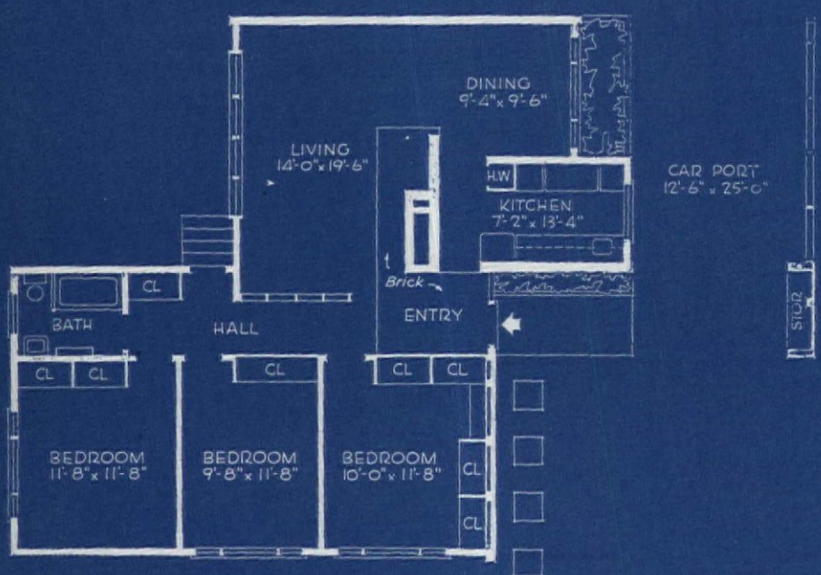
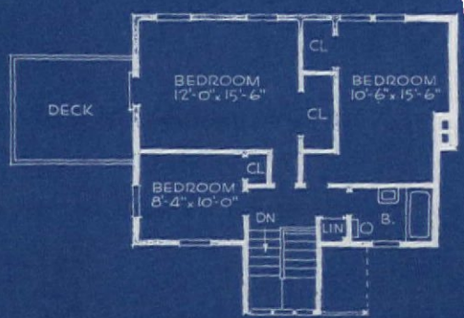
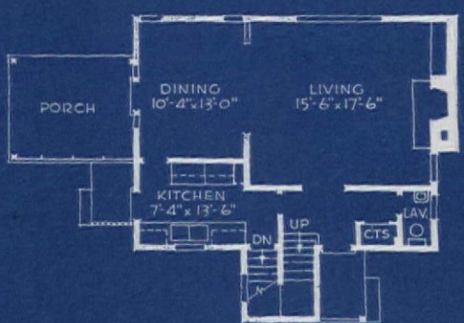
William W. Caudill and John M. Rowlett, architects

STORY ON PAGE 41



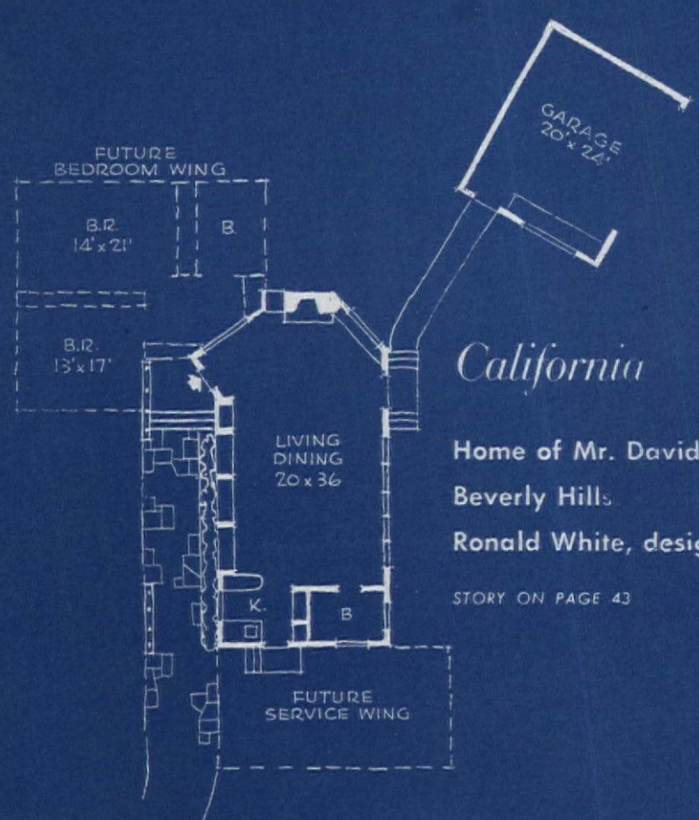




Illinois

Home of Mr. and Mrs. Edmond O. Templeton
Highland Park
L. Morgan Yost, architect

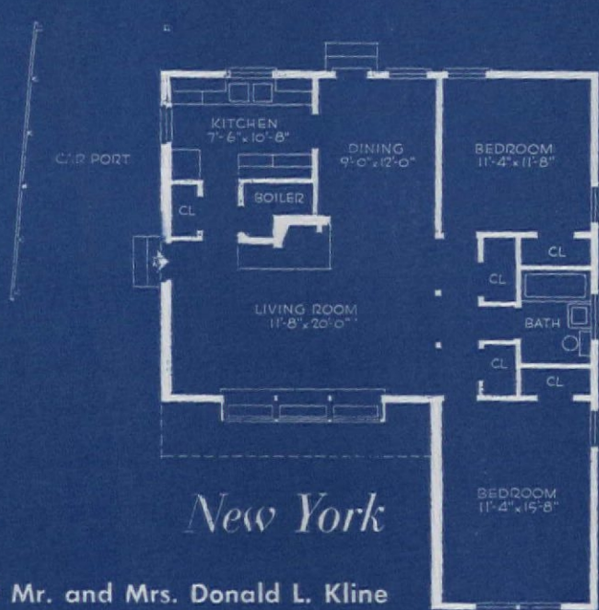
STORY ON PAGE 44



California

Home of Mr. David Mellinkoff
Beverly Hills
Ronald White, designer

STORY ON PAGE 43



New York

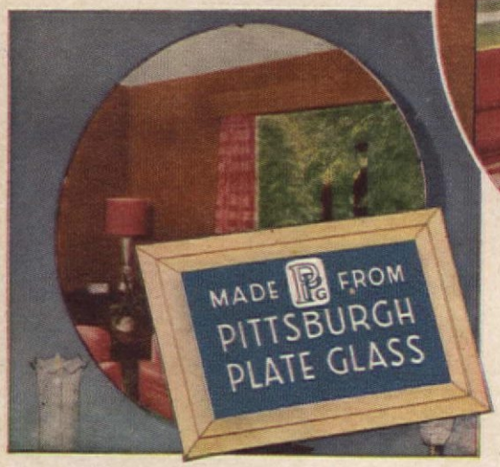
Home of Mr. and Mrs. Donald L. Kline
Massapequa
Caleb Hornbostel, architect,
and Jean P. Trouchaud, designer

STORY

SUN-WORSHIPERS LIVE HERE

PICTURE WINDOWS seem to make a room throw out its chest and take a deep breath of wonderful outdoor air! They give you sunlight, good cheer and a handsome frame for your nicest views, all at once. And in many climates, Twindow, Pittsburgh's new window with built-in insulation, makes picture windows more practical than they have ever been before. For Twindow cuts down heat loss, eliminates downdrafts, and prevents steaming or frosting of windows except under very severe conditions.

WHERE CAN I BUY? Your department store or other local glass supplier can help you work out your ideas for the use of glass and mirrors in your home. And when you buy, look for the blue Pittsburgh Label. It means quality Plate Glass.



A WALL MIRROR gives any room a sunny disposition. A generously proportioned mirror of Pittsburgh Plate Glass reflects the cheerful sunlight and outdoor scenery glimpsed through the windows. Especially effective is a large living room mirror above the fireplace.

A DOOR MIRROR, reflecting outdoor light, invites the sun into your bedroom, too. And such a full-length mirror is the very best checker-upper on your appearance, head to toe, that you could possibly wish for. Plate Glass, of course. And at least 5½ feet tall.

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BEAUTIFUL BATHROOMS by BRIGGS

This is Briggs' exclusive Safety-Bottom tub: safer for shower or sit-down bath!

Wide open spaces...in 5′x 8′

Here's the color and airiness of all outdoors—tucked neatly into a 5′ x 8′ bath. You can do it, too, if you start with smart Briggs Beautyware plumbing fixtures. Briggs tailors them to make small-scale baths look big and beautiful. Designs them trim and modern, sleek and snowy—adds the lavish touch of *stainproof* porcelain enamel. And—extra-good news for two-on-a-budget—Briggs puts a modest price on all this luxury! Send for free booklet today, and see how you can work decorating magic in your own bathroom. Briggs Manufacturing Company, 3009-H Miller Ave., Detroit 11, Michigan.

BRIGGS *Beautyware*

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MAGIC

with paint and pattern

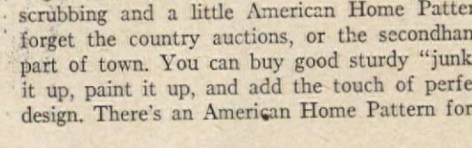
Georgia Patterson

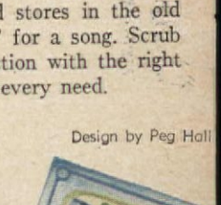
Every home has a bald spot somewhere—a place where nothing orthodox seems to fit decoratively or serve usefully. Just so, every home has an attic, garage, or basement with some few pieces not good enough to use, but too good to throw away. Invariably there's an odd chair, often as not a "hope chest," sturdy as ever, but not en rapport with the present color scheme.

Well, it's not "too late for Herpicide." Here's one solution, and a charming one. The design for chair back matches the chest, and definitely takes both out of the "I don't know what to do with it" class. (Make sure before you drag the rejuvenated "has-beens" upstairs to your own room, that daughter's discard-decor doesn't need them more. It *is* a pretty "hope chest" for her, isn't it?)

Now, it's just possible that you don't have an attic or cellar, housing potential gems of furniture. But it's just as possible that you're sitting on something right now that, if you had an attic, might be in it, but only because that something needs a good face scrubbing and a little American Home Pattern treatment. Don't forget the country auctions, or the secondhand stores in the old part of town. You can buy good sturdy "junk" for a song. Scrub it up, paint it up, and add the touch of perfection with the right design. There's an American Home Pattern for every need.

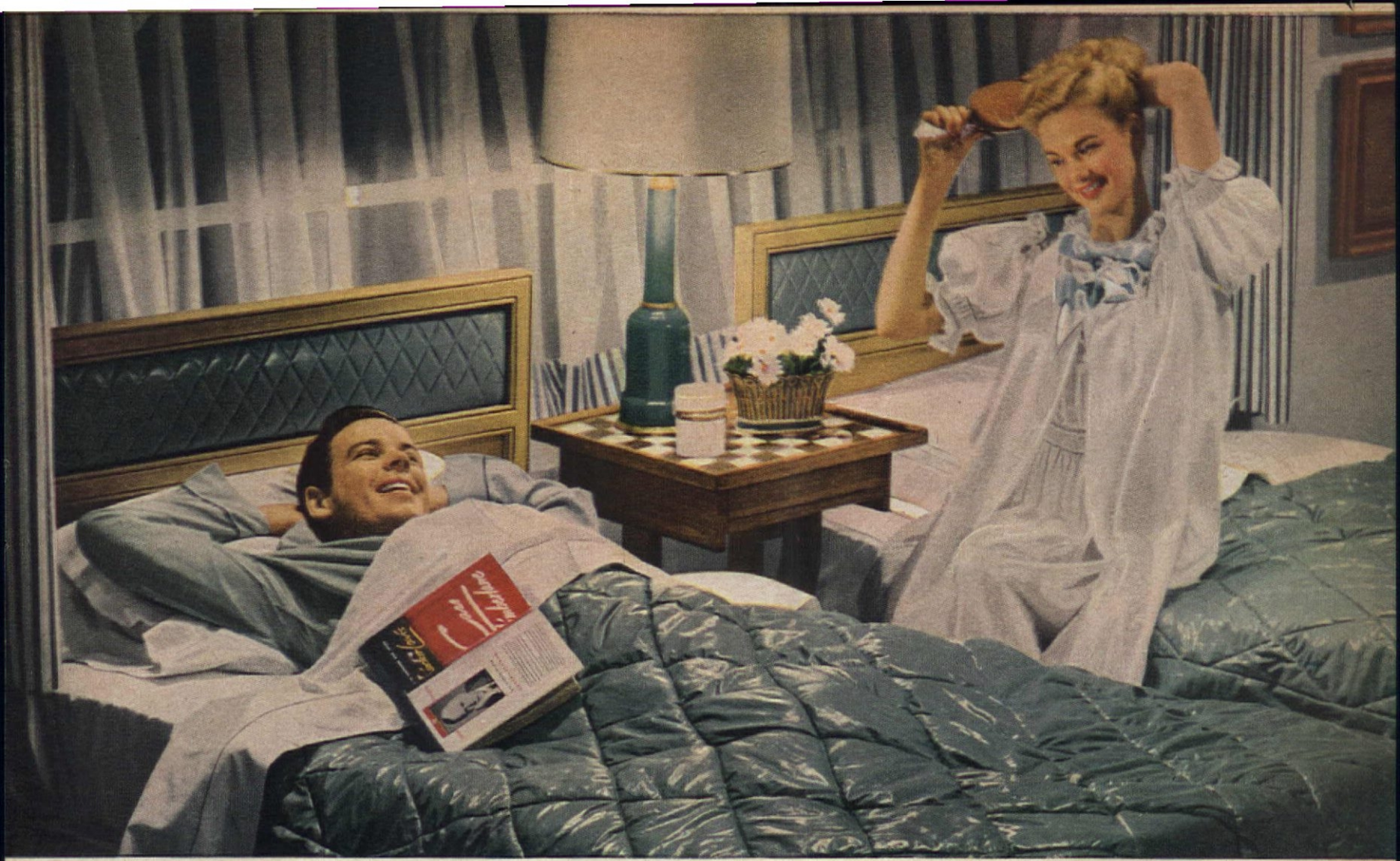
Design by Peg Hall





ORDER FORM ON PAGE 96

AMERICAN HOME PATTERN 1023



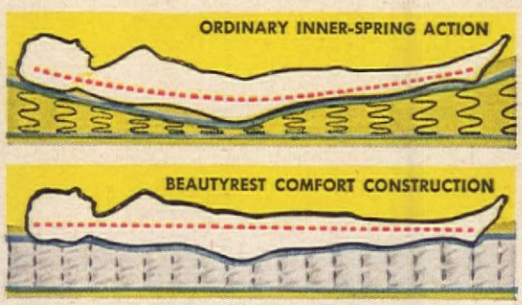
THIS NEW WORLD OF COMFORT COULD BE YOURS TONIGHT!

1. Did you ever stop to think that when you buy a new Beautyrest you get at least ten years—that's 3,650 nights—of luxury sleeping comfort?

Comfort that relaxes every weary bone in your body . . . soothes away fatigue . . . lulls you gently into deep, refreshing sleep! That's Beautyrest "luxury comfort"—something no other mattress can give you!

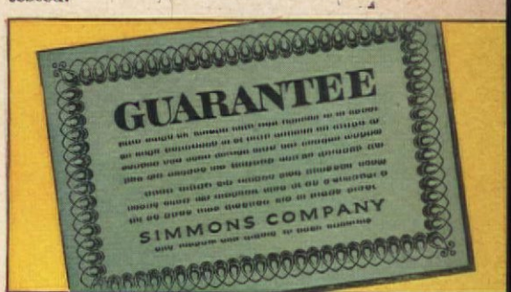
And all that wonderful comfort costs only 1½¢ a night! No wonder the whole world sleeps on a Beautyrest—or wants to!

2. Compare the construction: Left, notice how springs which are *wired together* in *ordinary* mattress *go down together* under pressure—forming a hollow. But, see how Beautyrest's *individually pocketed* springs act on their own, do NOT sag together!



3. Compare the comfort: Above, see how *wired-together* springs in *ordinary* mattress can sag deeply beneath you. But, below, see how Beautyrest's 837 *individually pocketed* springs "give" only in the *right* places—offer you *firmer, more natural support.*

First in quality, too. In rigid "torture" tests constantly being made in United States Testing Co., Inc., laboratories, Beautyrest has taken over half a million more poundings than the next best mattress tested!



Guaranteed 10 years! Beautyrest is guaranteed against structural defects for at least ten years. $59.50. (About 1½¢ a night.) Suggestion: Put your new Beautyrest on a Beautyrest box spring—the *right* bedspring for it! See your Simmons dealer today.

Only SIMMONS makes BEAUTYREST*

Other famous Simmons quality products: Electronic Blanket, Deep-sleep Mattress, Ace Spring, Babybeauty Crib Mattress, Hide-A-Bed Sofa

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Let *Charm* come in through the windows!

☆

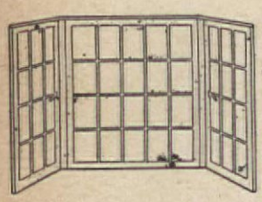
What is it that makes some homes so friendly . . . while others seem frigidly impersonal? One answer is the *right windows*. And when you choose windows of Ponderosa Pine, you go a long way toward adding to the charm which every home should have.

Ponderosa Pine stock design windows give you *three* important advantages! First, these windows are produced by modern precision methods for proper weathertight fitting and ease of operation. Second, Ponderosa Pine windows are wood, in itself a natural insulating material. And, third, Ponderosa Pine's smooth, even-grained surface takes and holds firmly all finishes. Remember, too, that Ponderosa Pine windows are obtainable toxic-preservative treated.

You'll enter a new world of "window magic" in our 32-page booklet, "Today's Idea House," containing dozens of photographs. Use this book to stimulate your home planning and remodeling ideas—then see your local lumber dealer. Mail the coupon now!

FOR FRIENDLY LIVING

Ponderosa Pine WOODWORK



Bay windows can be economical—if made up of Ponderosa Pine stock design units. The bay shown above consists of two Ponderosa Pine casements flanking a fixed sash or "view" window. See "Today's Idea House" for other styles and types of Ponderosa Pine windows.

Mail the coupon for your copy

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AMERICAN HOME
PATTERN 1024

GOT A TABLE NEEDS ATTENTION?

Be it round, oval, or rectangular, a rare antique, modern glass, or gumwood relic of bridal days—here's how to make a thing of beauty of it. Gild the lily, silver or gold, and your best friend will think it a museum piece. Paint the lily a fresh, sparkling white on black—or use sunny yellow lilies, if you will, on a glass table whose unadorned top yawns into nothingness when you take the china off. But do something, now, when you've leisure and before major fall decoration jobs face you all at once. Designed by Mrs. T. Cunningham

ALWAYS MISLAYING HOUSE KEYS?

AMERICAN HOME PATTERN 1025

Whether you are the culprit, or your family is, this simple device is attractive enough to hang where everybody not only can find the keys, but can, without strain, replace them after use. Ours is painted on a 12" round bread board. Or use a rectangular chopping board and arrange designs to your own liking—or do the same with a piece of plywood Dad cuts out for you. If your friends admire it, you'll know what to give *them* for Christmas. The pattern can be used over and over. Designed especially for us by Lietta

CAN'T FIND THE RIGHT WASTEBASKET?

Beautiful wastebaskets are not only hard to come upon, they also cost like fury when you do find them. Well, isn't the solution right here? Joe Watson's charming designs (there are three) can be put on that antique bucket you picked up at auction, or will dress up a hardware or ten-cent store tin wastebasket. We'd suggest it as an exquisite gift—but we know you'll never part with it once it's finished

AMERICAN HOME PATTERN 1026

Gone Gal

Here's a chick who's away out of this world—and she's taken the family funnies with her! And while Sis bangs on the door and Mom scolds and Pop fumes, she lies serene . . . enraptured by the smoothness of Dick Daredevil and of those soothing Pacific Sheets.

She's prepared to hold the fort for a long time, too, because Pacific Sheets are famous for their durability. These sheets are made the *balanced* way: whiteness, smoothness and softness blending perfectly with strength and firmness. It is this balance of service and comfort qualities that makes Pacific Balanced Sheets ideal for every bed in your home, from guest room to nursery.

Choose the type best suited to your needs—Truth Muslin, Extra-Strength Muslin and Combed Percale. Priced to suit the average purse. Pacific Balanced Sheets are sold at good stores everywhere. Look for them when you shop. Ask for them by name.

PACIFIC COMBED PERCALE · PACIFIC EXTRA-STRENGTH MUSLIN · PACIFIC TRUTH MUSLIN

Free booklet: "The Story of Pacific Balanced Sheets". Drop a card to Pacific Mills, Dept. A8, 214 Church Street, New York 13

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Lovely Colonials

Rich florals

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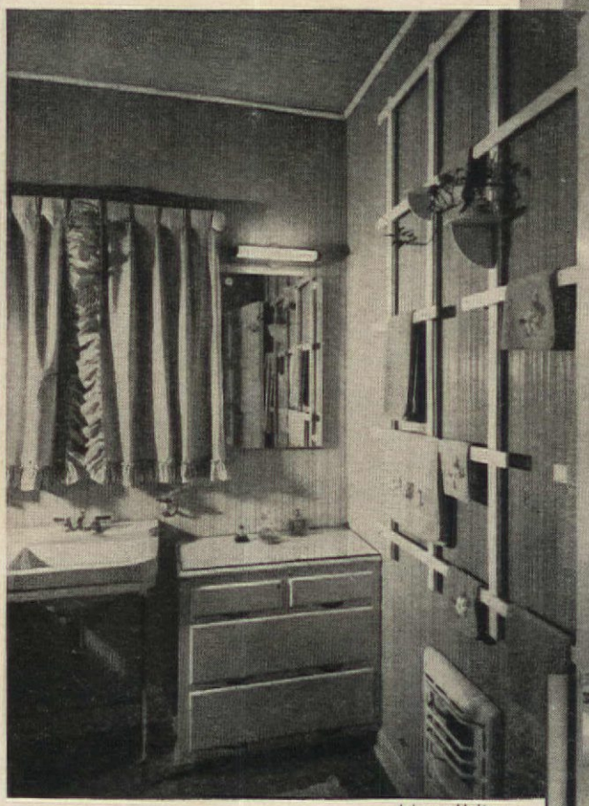
Sure YOU'VE NO BATHROOM STORAGE?

Robert C. Cleveland

The Al Jolsons utilize space between end of bathtub and wall for dressing room. Built-in cabinets were tailored to hold underclothes, grooming essentials. Hamper at one side is for damp towels, linen. Because of window, mirror was clipped to side wall



Johnny Melton

The Richard Dolphs of Oklahoma City use trellis for towels, wash cloths, flank the basin with pair of unpainted chests. Louise Currie Whitney enclosed basin by cabinets, drawers, topped counter with heavy black glass

Face it squarely: chances are your bathroom looks nothing at all like the ones illustrated on this page. Your house could be considered moderately up to date if you have even a shallow linen closet in the bathroom which the linens can call their own. Even so, the overflow of medicines and mineral oils probably has taken over one or two of the shelves.

As we have said before, good storage begins with good planning. If you are building new, we earnestly suggest you study these ideas, and other similar ones which we have published. Out in California they understand these things. You can learn from them.

If you plan at the blueprint stage, you'll be surprised at the amount of storage space that can be made to surround an ordinary, free-standing washbasin. Besides much needed counter space on top, a small amount of cabinet work can give you house room for extra supplies of towels, linens, cosmetics. If yours is the large, old-fashioned kind of bathroom, you have space to remodel it into a combination bathroom-dressing room for clothes storage as well.

JANE WYMAN STARRING IN "JOHNNY BELINDA" A WARNER BROS. PRODUCTION

Look.... YOUR NEW BEDROOM IS SHOWING!

Compliments will come your way when your friends eye this "FUNCTIONAL BEAUTY"

AT LAST you can have it... a new maple bedroom that suits your *personal* tastes to a "T".

You're not limited to the usual choice from only a few pieces. Instead, there are more than a dozen *functional* units. Many of them combine. Take several, and make just the piece you need. A roomy vanity. A smart buffet. A convenient, practical bookcase. Every one of them a *personal* creation all your own.

You can have as much or as little drawer space as you need. You can combine these adaptable units to fit any wall space, large or small.

And what style! Here's all the quaint charm of colonial maple... combined with functional efficiency and straightline design to meet today's streamlined living.

You get *Permanized** construction, too. That's Mengel's name for their exclusive method of building fine furniture. Joints and veneers in your Mengel Permanized Furniture will never come apart in any climate... damp or dry, hot or cold.

See this lovely furniture. You'll love the mellow finish of the solid maple. You'll praise the functional versatility. You'll be grateful for the *Permanized* construction that *keeps* each piece sound and beautiful.

And, when you see the price tag, you'll know you've found a bargain.

For help in planning your *personal* bedroom, send 10¢ with the coupon for your copy of Mary Adam's new booklet, "Let's Plan a Bedroom Around You."

Permanized MENGEL Furniture

MARY ADAM
The Mengel Company, Dept. 178
Louisville 1, Kentucky

Enclosed is 10¢. Please send me your new booklet, *"Let's Plan a Bedroom Around You."* (If you live outside Continental U. S., send 25¢.)

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Add this Beauty
TO YOUR DOORWAY

Open your home to the new, refreshing beauty of Mengel Flush Doors.

Whether you're building a completely new home or just remodeling and modernizing, you'll find these beautiful modern doors blend perfectly.

Choose any decorative scheme . . . the warm beauty of luxurious wood paneling . . . the charm of painted or papered walls. Whatever you want, there's a Mengel Flush Door to add just the right touch to your home.

Faced with genuine native birch, Mengel Flush Doors can be stained or finished "natural" to permit their handsome wood grain to show to advantage; for painted doors, Mengel Flush Doors in Southern gum take paint perfectly.

But there's more than beauty to Mengel Flush Doors. There's convenience, too. Their smooth surface is easy to keep clean. They have no panels to harbor dust and dirt.

And . . . although they're light in weight . . . Mengel Flush Doors are extraordinarily strong and durable. They are precision-made by skilled wood-craftsmen in the plant of one of the country's leading manufacturers of fine furniture. The patented Insulok core makes them permanently sag- and warp-free . . . giving you a lifetime of easy, positive, trouble-free service.

Surely such doors are a bargain at any price. Yet Mengel Flush Doors are within the reach of even modest budgets.

We'll be glad to send you our illustrated booklet, "The Door to Charm." There's no charge, no obligation. Simply mail the coupon today.

MENGEL *Flush* DOORS

Mengel Flush Doors and Weldwood Plywood are products of The Mengel Company, Louisville 1, Ky., and United States Plywood Corporation, New York 18, N.Y. Branches in principal cities, including Toronto, Canada.

Weldwood

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NOTE: Weldwood Plywood is again available in a wide variety of popular hardwoods.

THE AMERICAN HOME *planning* PRIMER

NO. 6 HEATING

Bettmann Archives

Norman Radder and James Oest

To provide maximum comfort at minimum cost, the ideal heating system for your home will be determined by many factors. Here's the first of two heating articles to guide you in that choice

WHY DO THE MANY DIFFERENT HEATING SYSTEMS THAT ARE AVAILABLE PROVIDE SIMILAR HOME COMFORT?

Because heat is transferred from one object or body to another by one or by a combination of two or three basic ways. These are conduction, convection, and radiation. Conduction is the movement of the heat itself, as from one end of a piece of copper or other metal to the other, or by flow between two materials or bodies that are in contact. Convection is the movement of heat by the change of location of the agent conveying the heat. This agent may be either water, steam, or air. Hot air moves, carrying the heat with it, and the same is true of steam and hot water. The water or air is heated by contact with the heat source such as a furnace. Radiation transfers the heat from one object to another without contact being made, and without the air between the objects being heated. Every object with a temperature above absolute zero gives off heat rays which shoot out in a straight line, warming cooler objects. This is true of all bodies, including the sun, a fireplace, a wall, ceiling, or floor. Even human bodies radiate heat.

No one heating system obtains its entire effect by the action of only one of these methods of heat transfer. Radiant heat does not warm the air in a room. True, the air is warmed, but by contact (conduction) with the warm surfaces of the walls, ceiling, floor, or furniture. Convectors, radiators, and panels are all recognized by heating engineers as radiant heating equipment, but each of these provides both radiant and convection heat, the air being warmed by contact with the heating element. A hot-air or warm-air system is classed as a convection type, but it heats the objects and surfaces in the room by conduction from the warm air, and these objects and surfaces in turn radiate heat to cooler bodies that come into the room, such as the people who have been outside the building.

WHAT IS A COMFORTABLE TEMPERATURE IN THE HOME?

It varies because of differences in people and the factors that contribute to body comfort. The human body continually generates heat, and must dispose of some to remain comfortable. Too much heat loss makes a person feel cold, and not enough heat loss makes one feel hot. Body heat is dissipated by evaporation of perspiration, radiation, and conduction to the air where it is moved away by convection currents.

Heat loss by evaporation varies with the humidity in the air. Radiation losses vary with the temperature of the body and the surrounding wall, ceiling and floor surfaces. Losses by conduction are changed with the air temperature. The amount of clothing will also affect the rate of loss for any of these other factors. Obviously, a variation in one means of releasing heat will require compensating adjustment in the other factors to maintain

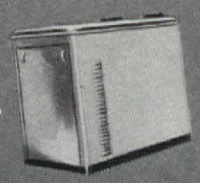
Buying Home Heating?

Look at the Name...

CHRYSLER AIRTEMP
Division of Chrysler Corporation

● Chrysler Corporation has put into its Chrysler Airtemp heating units the same advanced engineering and modern production skills which have distinguished Chrysler cars and trucks—creating heating equipment unexcelled for performance, efficiency and reliability.

Look at the Product...



● Smart, streamlined, modern! Look at the "take-life-easy" features! Look at the rugged, durable construction, and automatic operation precise as a stop-watch. A diversified line—stokers, boilers, furnaces, water heaters—everything for every size of home!

Look at the Economy...

● Chrysler engineers have thoroughly explored new ways of extracting maximum heat from home fuels . . . and incorporated their findings in a line of products truly outstanding in fuel economy. Yes, Chrysler engineering pays off for you in perfect comfort at low cost!

SEE YOUR CHRYSLER AIRTEMP DEALER SOON! He is a heating specialist, and will gladly help you plan the right system for your home. See the Chrysler Airtemp dealer in your vicinity today or write to us direct.

"WE CONTROL THE WEATHER INDOORS"

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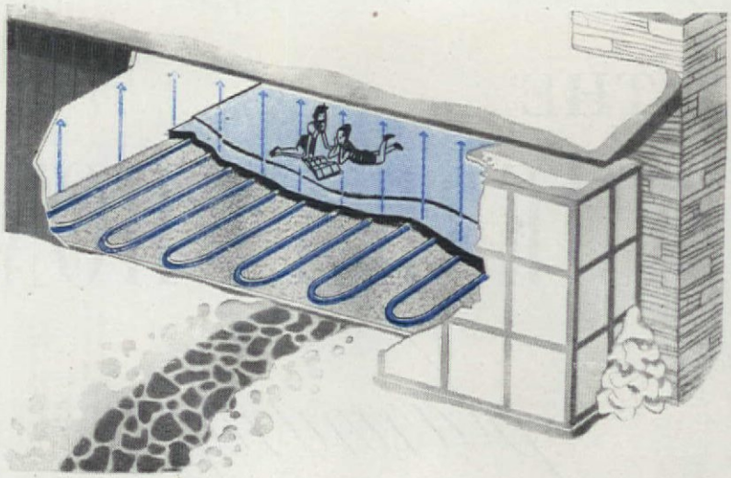
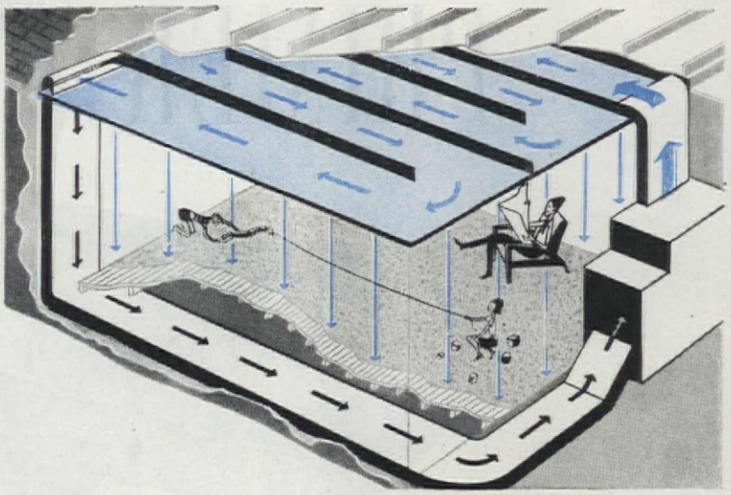


● Pipes in concrete slab provide a warm floor which radiates heat to ceiling, walls, objects, people. Pipes could be in walls or ceiling

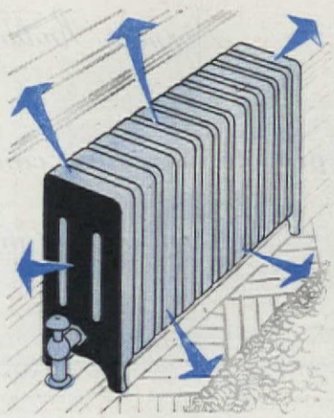


● Air ducts create warm ceiling or floor panel that radiates heat to all parts of room. System can be split to provide some warm air heat

a comfortable rate of heat loss.

In addition, people generate and must lose different amounts of heat, and perspire at varying rates. Since humidity and the temperature of the air and surfaces can only be just right for one person, a variation in clothing is in order for the comfort of others.

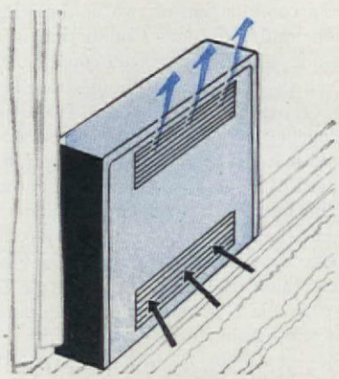
Conditions that have been found comfortable for the average person, in the average indoor clothing and house, are between 69 degrees with 65 per cent humidity, and 72 degrees with 30 per cent humidity.



● A radiator provides the greatest portion of its heat by radiant rays

WHY MUST THE HOUSE TEMPERATURE BE HIGHER DURING COLD DAYS THAN ON WARM DAYS FOR EQUAL COMFORT?

In really cold weather the inside wall surface temperature is lower than during the comparatively warm beginning and ending of the heating season. The body radiates a great deal of heat to the cold wall, and the rate of heat loss to the air must be reduced by a higher air temperature. Warmer winter days leave the walls at a higher temperature, and the heat loss of the body by radiation is reduced as a result. To maintain the desired body comfort, the heat loss to the air must be increased by a



● From a convector, most of the heat is sent out in the moving, warmed air

What... me fix it?

That's right, Mister! With the right Casco Glue, you can make hundreds of home repairs yourself...and easily, too! There's a right Casco Glue for every job—on sale at your hardware, building-supply or paint store.

For boats, outdoor furniture, sports equipment—joints that must withstand outdoor exposure—use *Cascophen* (Resorcinol Resin Glue). *The first completely durable glue available to homecraftsmen!*

For furniture, toys, heavy-duty home repairs—use strong, stain-free *Cascamite* (Urea Resin Glue). Mixes quickly with cold water.

For models, photo prints, labeling, —general home, school, or office gluing—use the new, ready-to-use, clean, white, fast-setting *Cascorez* (Polyvinyl Resin Glue).

LAWN CHAIR
for less than ½ store cost!

Easi-Bild* Full-Size Patterns with step-by-step directions and assembly illustrations make building this Lawn Chair a cinch. Just trace pattern on wood; saw, assemble. Get pattern #32 and *free* sheet illustrating 100 other patterns from your hardware store, or send 25¢ to CASCO PATTERN DEPT. AH-88, P. O. Box 215, Pleasantville, N. Y.

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Makers of Casco Glues

Warms ALL the Room

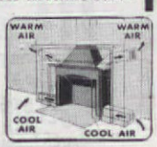
This FIREPLACE Circulates Heat

● The Heatilator Fireplace actually circulates heat . . . warms all the room and even adjoining rooms. Solves the heating problem in basement rooms. Makes camps usable weeks longer every year.

The Heatilator offers important advantages found in no other fireplace. Proved for over 20 years in thousands of homes and camps all over America.

Will Not Smoke

The Heatilator is a scientifically designed form around which the masonry for any style fireplace is easily laid. Eliminates faults that commonly cause smoking. Saves materials and labor, offsetting most of the cost of the Heatilator. Built from heavy steel for lifetime service. *Accept no substitute.* Sold by building material dealers. Write for illustrated folder.



Heatilator, Inc.
528 E. Brighton Ave.
Syracuse 5, N. Y.

HEATILATOR FIREPLACE

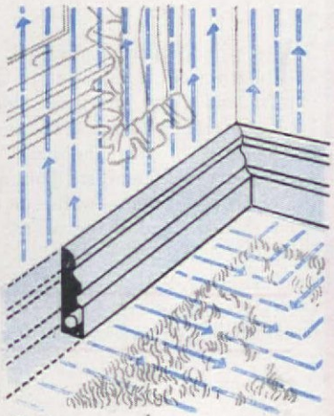
lower air temperature. In this way total heat loss is kept even.

HOW DOES A CONVECTOR DIFFER FROM A RADIATOR?

A radiator provides most of its heat by direct radiation, with a small amount distributed by convection. A convector is always within a cover. Air enters the enclosure through an opening at the floor. This air contacts the hot surface of the convector, which may be a steam or hot-water pipe assembly with thin metal fins. The heated air then rises and passes out into the room by way of an opening at the top of the cover. Though the major portion of the heat is provided by convection, a small amount of radiant heat is provided by the warm surface of the enclosure. Convectors are somewhat smaller than radiators for equal heat output, and can be made less conspicuous in a wall recess. When a radiator is enclosed in a cover, it functions as a convector, but not as efficiently.

WHAT IS PANEL HEATING?

The term "panel heating" is often confused with the term "radiant heating." Actually it is just a form of radiant heating which uses a large area as the heating surface. Floor, ceiling, a wall, or a part or combination of these, may act as radiant panel. Such surfaces need not be heated to as high a degree as the conventional radiator or convector to provide adequate heat. The surface temperature of a floor panel should not exceed 85 degrees, a ceiling panel, on the other hand, may be heated to 115 degrees. Thus a given area of ceiling at 115 degrees will provide much more heat than the same floor area at 85 degrees. This favors ceiling panel heat in a building in which there is not sufficient area in the floor to offset the heat loss. According to the Guide of the American Society of Heating and Ventilating Engineers, a ceiling panel will deliver 70% of



● Baseboards heat by radiation and convection, and are inconspicuous

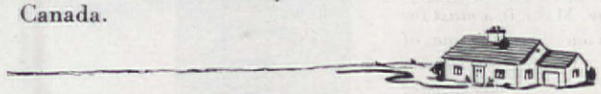
You'll be happy too ... if you build your new house of

CONCRETE

No matter what the size or architectural style the house of your dreams may be—it will definitely be a better house if it's built with concrete walls and subfloors. Here's why—

- Concrete homes are the last word in comfort. They're warm in winter, cool in summer, and snug and dry the year around.
- Concrete homes are firesafe because concrete can't burn! There's no better protection for your loved ones and prized possessions.
- Concrete homes can be built in any style of architecture —in any size and in any neighborhood or climate.
- Concrete homes are moderate in first cost, have extra long life and low upkeep. That's ***low annual cost!***
- Concrete homes are sound and durable. They won't sag, creak or shake. Concrete subfloors are the ideal base for hardwood, rugs, carpets or linoleum.

Send for free illustrated booklet about concrete houses, distributed only in the United States and Canada.



HOW TO GET A CONCRETE HOUSE AND WHAT WILL IT COST?

Phone a local concrete masonry manufacturer for names of architects and builders experienced in concrete house construction. They know conditions in your community and can answer your questions about plans and costs.

Take any plans or sketches you have obtained from any source to an architect. Have him show you how your home, regardless of architectural style, size or room arrangement—can be economically built with concrete walls and subfloors and a firesafe roof.

Architect-designed houses stay young longer

PORTLAND CEMENT ASSOCIATION
Dept. 8-5, 33 W. Grand Ave., Chicago 10, Illinois

A national organization to improve and extend the uses of portland cement and concrete ... through scientific research and engineering field work

remember this
the day you BUY
and you can
forget it for YEARS
to come

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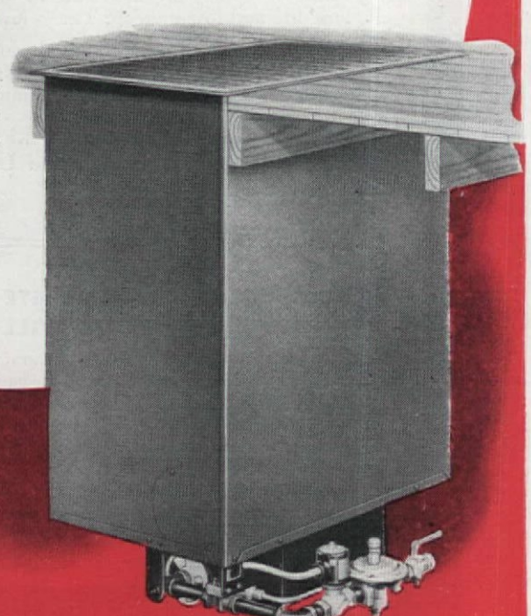
AUTOMATIC HEATING

KEEP HEATING COSTS UNDER YOUR THUMB
WITH THIS GAS-FIRED FLOOR FURNACE

right under your feet!

Funny, how people ask questions. Like those who always will inquire how you manage to heat *so much space* through that neat little metal grille in the floor. Of course, you'll be happy to tell them about your Bryant *Heat Chamber* Floor Furnace. How nicely it hides away underfoot, suspended from the joists. How its moving air stream sends abundant heat up and outward in a circular flow to reach even distant corners. You'll brag of its quiet operation, its economy and your reasonable heating bills. Yes, and if you happen to be the person who is asking the questions, it's likely you'll also choose this famous floor furnace, made by the company whose skilled craftsmen have been heating specialists since 1908! Order Bryant equipment for modernizing your present home. Make it a *must* for your dream home of tomorrow! *Dealers everywhere!*



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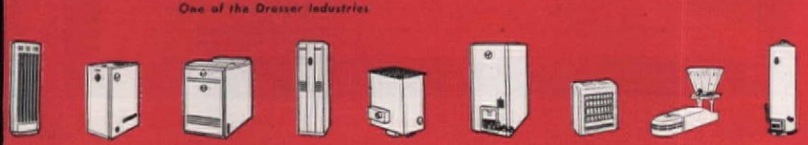
LET THE PUP BE FURNACE MAN

Models for natural, manufactured and liquefied petroleum gases

BRYANT HEATER COMPANY Cleveland, Ohio
One of the Dresser Industries



WALL HEATERS • BOILERS • WINTER AIR CONDITIONERS • FLOOR FURNACES • WARM AIR FURNACES • SPACE HEATERS • CONVERSION BURNERS • WATER HEATERS

its heat by radiation and 30% by convection; floor panel, 55% by radiation and 45% by convection; and a wall panel, 65% by radiation with 35% by convection.

HOW IS A RADIANT PANEL HEATED?

The two most common methods are hot water in pipes and warm air in ducts. The pipes can be in concrete, 1½ to 3½ inches below the finished floor surface. Under the concrete is insulation and waterproofing on a bed of gravel or crushed stone. The floor can have linoleum, wood, tile, carpet or other covering that will not materially affect the heat output. Pipes can also be between beams in frame construction, or adapted to other structural types. Ceilings and walls can have pipes in plaster or between studs or beams.

IN WHAT WAY IS A PANEL HEATED BY WARM AIR?

Warm air can be used in ducts in the ceiling or floor, with many details possible, for masonry or wood-frame construction. In the usual system the warm air returns directly to the heating unit, but it can be split to provide ventilation and humidification similar to a forced warm-air system by having a portion of the air enter the room. In one design air passes under the floor in ducts, and then enters the room through grills in the window sills. It then crosses the room and returns to the furnace by a ceiling or a high wall opening.

WHAT SPECIAL EQUIPMENT IS NEEDED FOR PANEL HEATING?

Furnaces and controls for panel heating are the same as those in other hot-water and warm-air systems.

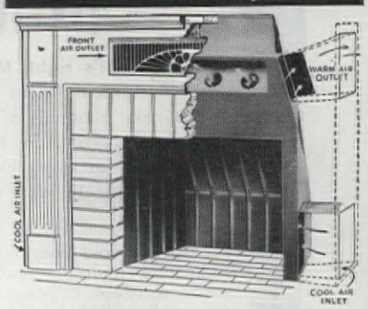
IS BASEBOARD HEATING SATISFACTORY?

Yes, if properly installed. Baseboards can be radiators or convectors, and they are used along the base of the wall for a distance sufficient to provide the heat that is necessary for comfort. This may be along one or more walls, depending on the size and shape of the room.

CAN PANEL HEATING BE INSTALLED IN OLD HOUSES?

Due to the location of the pipes and ducts, this type of heating is almost exclusively for new houses.

HEATFORM
The *Superior* Heat Circulating Fireplace



The HEATFORM IS easily identified . . . look for these features:

- *Reinforced ribbed firebox* —for greater strength and longer life
- *Upper and lower heating chambers* —for maximum heating surface
- *Super heating round air flues through the throat* —eliminate dead air pockets and increase volume of air circulation.

HEATFORM advantages:

- *Retains the beauty of the open hearth.*
- *Gives furnace efficiency to the fireplace*
- *Saves fuel and heat loss*
- *Prevents smoke troubles.*
- *Saves cleaning and redecorating.*

The **HEATFORM** is a double walled steel form around which the masonry is easily built to complete a successful fireplace. Proved by 27 years of use in homes all over America.

If your building supply dealer cannot give you complete information about HEATFORM write us for free eight page circular or enclose 50¢ for 36-page book of beautiful fireplace designs.

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East of Miss. River ● West of Miss. River
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FREE BOOK TELLS HOW. Before repainting, use aluminum primer for extra protection where old paint has weathered down to the wood. Often happens on west and south exposures. Dozens of other helpful hints in free 24-page book, "Paint It Bright". Send for copy today. Remember there *is* a difference in aluminum paints; get ALUMINUM HOUSE PAINT for this job, from a dealer who displays this Alcoa symbol on the brand he sells. Address: Paint Service Bureau, ALUMINUM COMPANY OF AMERICA, 2105 Gulf Bldg., Pittsburgh 19, Pa.

Look for this shield on aluminum paints made by many paint manufacturers using

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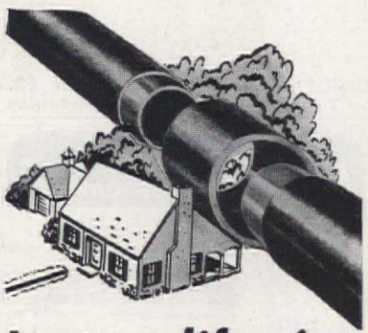

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Because it is non-rigid, ORANGEBURG* PIPE withstands severe soil settlements without cracking or breaking. You get lifetime trouble-free service in house-to-sewer, septic tank connections, or other non-pressure uses. TAPERWELD* COUPLINGS hold fast, prevent leaks, resist root damage.

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• THE ROOT-PROOF PIPE •

However, electric ceiling panels are adaptable for old buildings. Baseboard radiators and convectors provide a wall panel effect and can be installed easily in old houses.

WHAT ARE THE PRINCIPAL TYPES OF HEATING SYSTEMS IN COMMON USE TODAY?

They are one pipe steam, two pipe steam or hot water, and hot or forced warm air, sometimes called air conditioning. Where the heating season is short, and the winters mild, a complete central heating plant is not always necessary, and a floor furnace, a unit space heater, or small separate units can provide comfortable heat. In some instances two or more space heaters or floor furnaces will give adequate heat.

HOW DOES A ONE PIPE STEAM SYSTEM WORK?

The steam is supplied to each radiator, and the condensed steam or water returns to the main line and boiler through one pipe. The installation is economical, but heat cannot be controlled enough for complete comfort. There is a long time between the start of the fire and the arrival of heat at the radiator. Radiators near boiler heat up first. Valves must be completely open or shut, resulting in each radiator having all or nothing. These disadvantages can be overcome to some degree by the addition of equipment to create a partial vapor-vacuum system.

WHAT IS A TWO PIPE STEAM SYSTEM?

It has one pipe for the supply of steam to the radiator and another for the return of the condensed steam to the boiler. More pipe is needed in a two pipe system, but pipe can be of a smaller size. The increased cost is warranted by improved control and flexibility. Individual thermostats can be used to control the amount of heat supplied to each room; the house will not overheat as much in mild weather, and there is no hissing from air valves. A house can be too large for adequate heat from a one pipe system, but a two pipe installation will take care of any size home.

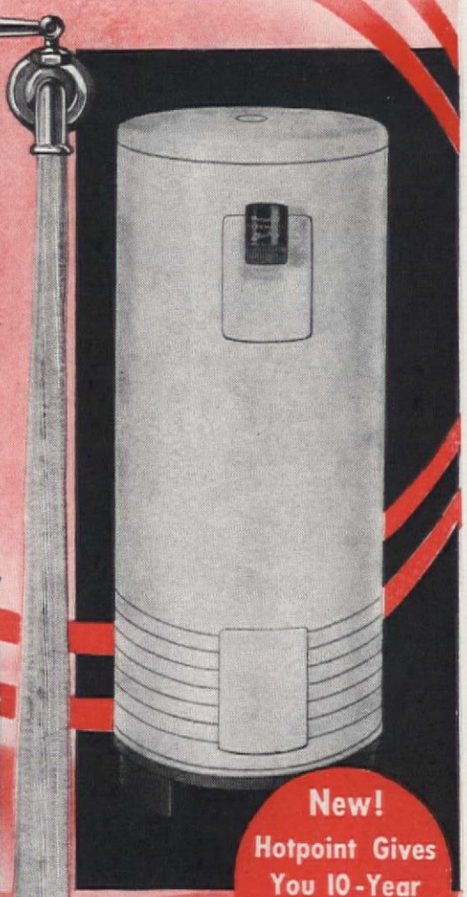
ARE ALL HOT-WATER SYSTEMS TWO PIPE?

There are one pipe hot-water systems, but this always refers to the main supply line. Two pipes, supply and return, are necessary for each

Revolutionary New Water Heater By Hotpoint Features Amazing

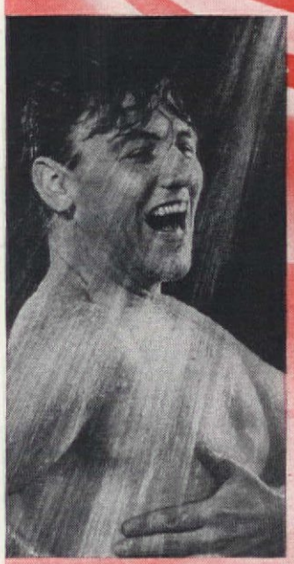
MAGIC CIRCLE HEAT!

Pressurized Calrod* Units Make Hotpoint Unequalled for Safety, Economy And Dependability. Water Temperature Kept Constant By New Thermostat. Fiberglas-Insulated Tank Stores Hot Water For As Long As 3 Days!



Now, thanks to the sensational Magic Circle Heat of pressurized Calrod* Units, you can enjoy perfect, automatic hot-water service! No other heater equals the new Hotpoint for cleanliness, safety, economy and reliability. The new-type thermostat keeps water temperature constant and cuts use of electricity to a minimum. Thickly blanketed with Fiberglas, the heavy tank stores hot water for as long as 3 *days* without re-heating! Backed by an extra-liberal 10-year protection plan, this new Hotpoint water heater is truly outstanding.

HOTPOINT, INC. (*A General Electric Affiliate*), **CHICAGO**



New! Hotpoint Gives You 10-Year Protection Plan!

SEVEN MODELS, ranging from 15 to 82 gals. capacity. The table-top model (right) is a matched unit of Hotpoint's Electric Kitchen.

Everybody's Pointing To

Hotpoint Electric Water Heaters

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NEW KIND of FURNACE

"Tends Itself" Without Ashes Or Dirt And Gives You WARM FLOORS

Curtains stay clean, weeks longer! No fuel dust, ashes, soot, to mess up curtains, rugs, furniture, wallpaper, paint! Saves hours of work; saves wearing out nice things. Be proud of your clean house, with a Coleman Floor Furnace.

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radiator or convector in either one or two pipe hot-water systems. In the gravity system the water circulates slowly by the natural tendency of hot water to rise. The water cools in the radiator and returns to the boiler. The slow circulation results in a long delay between a call by the thermostat and the arrival of heat in the radiator. When the furnace is shut off, the water continues to circulate awhile, overheating the rooms.

The positive action of a pump in a forced circulation hot-water system allows the use of smaller pipes, results in rapid supply of heat to the radiators, and eliminates the circulation and excessive heat after the furnace is shut off. Modulation of the heat by thermostats in individual rooms or zones, with control valves for very complete selection of temperatures to suit room requirements, can be arranged. Either open or closed expansion tanks can be used with gravity or forced circulation systems. The water is usually no hotter than 180° with open tanks, but with a closed tank the pressure will allow the use of water at as high as 240° temperature. With the hotter water, radiators and pipes can be smaller.

HOW DO HOT-AIR AND FORCED WARM-AIR SYSTEMS DIFFER?

The hot-air system depends on the natural rise of heated air for the circulation. It is not flexible or well controlled, and rooms far from furnace are often not well heated.

The forced warm-air system is the modern version of the hot-air plants. The air is not heated to such a high degree, and is circulated by a fan which allows for control and flexibility, and the use of smaller ducts. The air can be cleaned and humidified, providing a very comfortable atmosphere in the house.

WHAT ABOUT AIR CONDITIONING?

According to the Federal Trade Commission, the words "air conditioning" signify the simultaneous control, by mechanical device, of various factors affecting both the physical and chemical conditions of the atmosphere within a given structure, such as a room, building, or the like; and said factors include temperature, humidity, and circulation within the structure. A device which does not control each and all of the designated factors is not properly designated an "air conditioner." When a forced warm-air system includes air cleaning and humidification features, it can be correctly called a "winter air conditioner." A "summer air conditioner" cools, dehumidifies, cleans, and distributes the air. A complete "air conditioner" includes both summer and winter treatment and distribution.

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THE WHITTEN NURSERIES
BOX 350, BRIDGMAN, MICHIGAN

WHAT HAPPENED ----

when Susan went to Smith

Florence H. Snow

ALBERT F. BLAKESLEE

The photograph above shows two groups of Black-eyed Susans. Those on the left are labeled "Native type from Northampton, Mass.," and those on the right, "Types from Smith College Genetics Experiment Station." The latter are exceptional, superior blooms—the Phi Beta Kappas of their species. They might even be called "educated" since, like exceptional, educated humans, they are the product of superior nature and nurture. Many of them are well over six inches in diameter, and show various grades of doubleness and different ray forms and arrangements. There is also a strain of large, attractive single flowers with broad rays bearing a mahogany blotch at the base. This progressive education of our Black-eyed Susans illustrates what can be done with simple improvement techniques in utilizing the natural variations of a native plant to build up attractive types for the garden. It is an alluring prospect.

Black-eyed Susan is called also yellow daisy, niggerhead, golden Jerusalem, and sometimes ox-eye daisy, though the last is more commonly used for the European white field daisy (which is a species of Chrysanthemum). Botanically it is Rudbeckia hirta and closely related to the plant whose double-flowered form is the familiar goldenglow. Native only in our western prairies, it has spread to the eastern states to become a common (and, to farmers, a despised) weed in both dry and moist meadows. Some 30 years ago, at the University of Connecticut, we became interested in the many forms found growing abundantly near by, in which were expressed variations in practically all flower characteristics. There, and also later on Long Island, and subsequently here at the Smith College Genetics Experiment Station, we have made the plant an object of investigation.

Each year, and in many localities, we dug up, or took seeds from, plants with interesting types of floral structure and gradually collected in our experimental beds a wide range of variations due to the different assemblages in the selected plants of the *genes*, or hereditary factors. Many of these variations we accentuated by hybridization. We found, for example, that the number of rays could be increased by crossing plants, obtained from different localities, whose flowers had a relatively large number of rays; thus, in time, we secured flowers that were fully double. Similarly we were able to increase the length of the rays and, by combining double-flowered and long-rayed strains, to get much larger flowers which were also double.

However, our attempts to get races which were pure for any given

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Whether you have your whole house professionally painted, or use Eagle RTU yourself for brightening up exteriors... fences, porches or lawn furniture . . . it gives the same white lead durability, beauty and economy. Two forms: Primer Sealer and Outside White Finish Coat. Quarts, one, two, and five gallon cans.

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Homemakers have proved, for generations, the lasting qualities of oak floors. They *are* wonderfully beautiful, with their lovely grain gleaming in the sun or glowing under lamplight. Oak floors accentuate any furnishings, give your home a warmth and hospitality to charm all who enter.

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So, for economy, enduring beauty and adaptability to any furnishings, insist upon oak floors in the home you are buying or building.

Ask your builder or lumber dealer for a copy of the new free booklet—Oak Floors for Long-time Beauty—or write to National Oak Flooring Manufacturers' Association, 814 Sterick Building, Memphis, Tenn.

characters weakened their vigor and developed inter-class incompatibilities, so it proved impossible to carry on inbreeding for many generations. Later, recovering some of the more attractive types as volunteer plants near our old breeding plots and elsewhere, we took them into our home garden and, instead of following any program, let the insects do the crossing for us. Taking seeds each year from a few of the most attractive and vigorous plants, we built up a stock of two large-flowering strains, one of doubles and one of single "mahoganies." These we grew well apart to prevent mixing. Thus far, the improvement was due to simple selection following the accumulation of desirable genes through crossing.

Ten years ago, we discovered that by treating plants with the alkaloid colchicine (which is an old gout remedy), it was possible to double the number of their chromosomes and thereby increase the size of various parts, including the flowers. (Chromosomes are the microscopic rod-shaped bodies in living cells which carry the genes, or hereditary determiners. A normal plant in whose cells are two of each kind of chromosome is called a "diploid." If it has twice the normal two, it is called a "tetraploid.") The "why" of this we do not know, but the fact has been utilized in developing larger-flowered strains of several types of plants. In our case, by treating seeds of our Black-eyed Susans with colchicine, we obtained plants with still larger flowers, deeper ray color, greater stem brittleness, and a greater character uniformity in the progenies. Thus the offspring of a normal (diploid) semi-double type will include a considerable number of singles and also some full doubles which, however, produce few if any seed. The offspring of a tetraploid semi-double, contrariwise, are chiefly intermediates and contain but few singles and full doubles.

The plants we have developed by these methods are not yet perfect, and further selection will be necessary to eliminate certain undesirable characters connected with doubled chromosome numbers. One disadvantage, common to both normal and tetraploid forms—failure to stand up well as cut flowers—can be overcome by searing the stem ends. And so, studying plants, we gain power in the control of evolution and life processes.

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AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Photograph by Roche

Idea—Mrs. Helen F. Dietrich

Arrangement—Mrs. Catherine Hemingway

Why not let your garden play a larger part in your interior decorating? It will, of course, take some planning to keep attractive flower and foliage effects in strategic spots throughout your home. But such planning is not difficult if you use a calendar or schedule of both the things to be done and the hoped for consequences. In August, comes an abundance of flowers suitable for all kinds of arrangements. They are the reward for sowing, last spring, seed of all kinds of annuals; the nasturtiums pictured are but one of a colorful, versatile host. And annuals want to be picked; the more persistently you remove the blossoms, the more abundantly they bloom. Looking ahead, August is your last safe chance to sow seed of perennials which, after wintering in a cold frame, will be set out early next spring to yield early summer flowers. Annuals can be started, too, for plants to be flowered in pots indoors, in winter. Disbud some of your dahlias and chrysanthemums to get extra large, fine blooms for special displays. Plan for better flowers on your iris and daffodils by lifting, dividing, and replanting crowded clumps of rhizomes and bulbs. And get your order in for new tulips and other bulbs, some to go outdoors, a few to be potted and forced so you can brighten the dull days of late winter. And so it goes, month after month.

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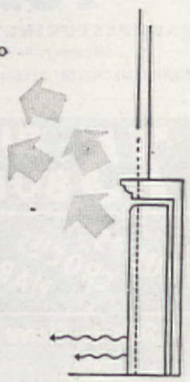

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You'll find that this new marvel in heating costs *less* to install than any other steam or hot water system. Fuel costs are less, too. To see in full color how Trane Convector-radiators blend into beautiful rooms, mail the coupon right away.

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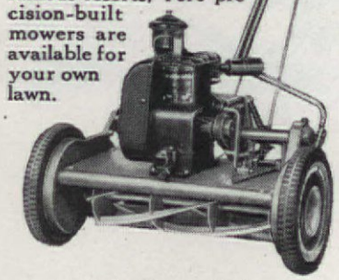

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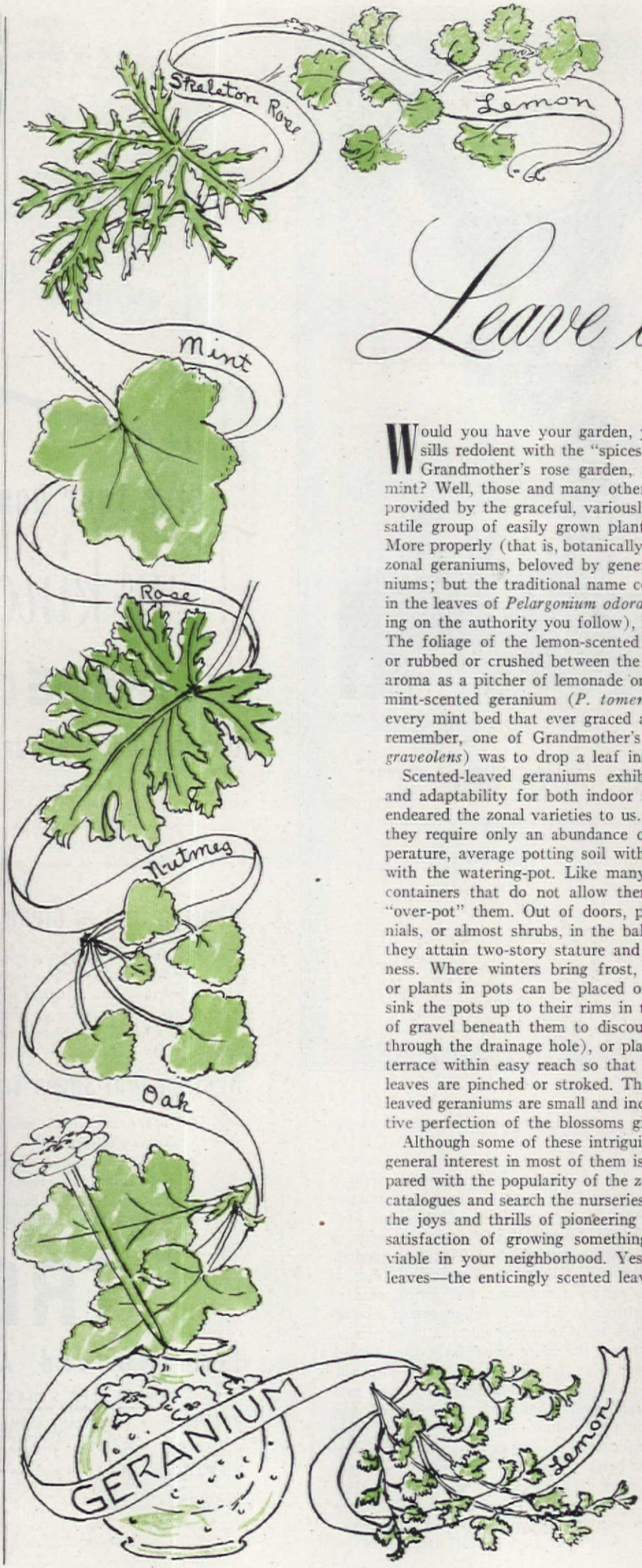


MARGARET CHASE

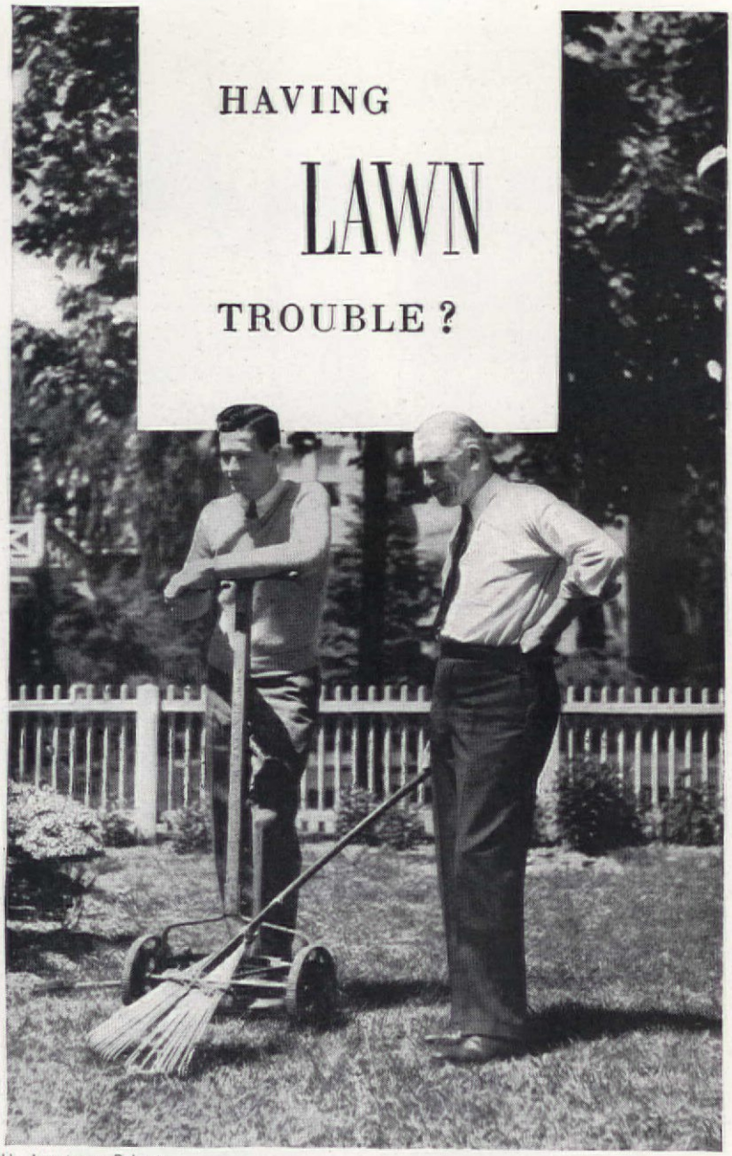
Leave it to us

Would you have your garden, your window boxes, your window sills redolent with the "spices of Araby," the nostalgic scent of Grandmother's rose garden, the cool, refreshing fragrance of mint? Well, those and many other enchanting odors are generously provided by the graceful, variously formed foliage of a single, versatile group of easily grown plants—the scented-leaved geraniums. More properly (that is, botanically), both they and the better known zonal geraniums, beloved by generations of gardeners, are Pelargoniums; but the traditional name continues to cling to them. Echoed in the leaves of *Pelargonium odoratissimum* (or *P. fragrans*, depending on the authority you follow), is the rich, spicy odor of nutmeg. The foliage of the lemon-scented *P. crispum minor* when bruised, or rubbed or crushed between the fingers, gives off as refreshing an aroma as a pitcher of lemonade on a hot day. The fragrance of the mint-scented geranium (*P. tomentosum*) is unmistakably that of every mint bed that ever graced an herb garden. And, as you may remember, one of Grandmother's uses for the rose geranium (*P. graveolens*) was to drop a leaf into each glass of apple jelly.

Scented-leaved geraniums exhibit the same amiable disposition and adaptability for both indoor and outdoor culture that have so endeared the zonal varieties to us. Indoors, their wants are modest; they require only an abundance of light and air, a moderate temperature, average potting soil with good drainage, and a light hand with the watering-pot. Like many pot plants, they bloom best in containers that do not allow them excessive root room; so don't "over-pot" them. Out of doors, pelargoniums are grown as perennials, or almost shrubs, in the balmier parts of the country, where they attain two-story stature and impressive vigor and floriferousness. Where winters bring frost, they can be treated as annuals, or plants in pots can be placed outside after the last frost. Either sink the pots up to their rims in the ground (putting an inch or so of gravel beneath them to discourage the roots from growing out through the drainage hole), or place them strategically on porch or terrace within easy reach so that fragrances can be enjoyed as the leaves are pinched or stroked. The flowers of most of the scented-leaved geraniums are small and inconspicuous; however, the diminutive perfection of the blossoms gives them an engaging charm.

Although some of these intriguing varieties are of ancient origin, general interest in most of them is of relatively recent date as compared with the popularity of the zonal and other types. As you scan catalogues and search the nurseries for the different kinds, therefore, the joys and thrills of pioneering can be yours, not to mention the satisfaction of growing something that is probably rare and enviable in your neighborhood. Yes, leave it to us and we'll choose leaves—the enticingly scented leaves of geraniums.

HAVING LAWN TROUBLE?



H. Armstrong Roberts

Thomas Powell

Trouble? I should say so. This lawn looks browner and mangier every year. I guess nothing but weeds will ever grow in my soil." . . . If you sometimes feel that way, it may console you to know that many people find making a lawn behave the most difficult of their gardening jobs. Some will say it's impossible. But it's not. Usually the blame lies not with the soil, weather, or weeds, but with the gardener himself in that he doesn't play the game and follow the rules. Here are some of those rules . . .

MOWING. Set your mower to cut high—1½ to 2 inches unless the lawn is mostly bluegrass, or one of the bent grasses, in which case 1 in. is permissible. Mow frequently so the clippings, left unraked, won't look messy or smother the turf. Cut according to the growth rate, not the calendar or a set schedule. Keep the machine

U. S. D. A. photos (Purdy, Forsythe)

● A vigorous, weed-free lawn is mowed high—1½" to 2"—and often; systematically fed, spring and fall; watered plentifully in dry weather

DO WE HAVE TO PUT UP WITH THIS HEAT?

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12 CHIONODOXA—Light blue star with white eye ..... .35
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Dept. AH MORROW, OHIO

sharp and the blades properly set. Vary the route or direction of cut, but, to avoid marring the sod, mow up and down steep banks. Stop mowing early enough in fall to let a good 3" growth go into the winter.

WATERING. Do this, too, as necessary, not regularly, by rote; and at such times, do it thoroughly. If you favor the flooding method, watch out for soil-washing. With a sprinkler, leave it in one place until the ground is soaked—half an hour or more. In muggy weather, avoid evening watering. Should the soil bake, a spiking will promote prompt absorbtion of the next rain and prevent runoff.

WEED-CONTROL. Thick, lusty grass both crowds and shades out many weeds. Against persistent broadleaved kinds, modern selective herbicides of the 2,4-D type are standard ammunition; use exactly as directed on the labels. Apply carefully, right on the weeds, and at calm times to prevent drift onto flowers and other valued plants. Rake patches of crab grass upright before mowing, then catch or rake up the seed heads and destroy them. For severe infestations, there is now on the market a new, selective crab-grass killing chemical.

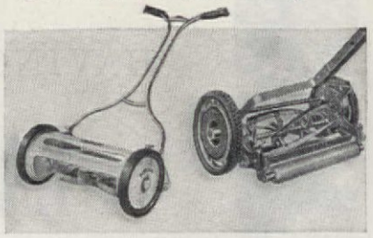
FEEDING. Give a midsummer or early fall lunch—about 2 lbs. per 100 sq. ft. of a complete plant food of 5-10-5 formula or thereabouts. Water it in well if rain doesn't fall shortly. The lawn gets its main meal (twice the above dose) in early spring when the grass is just starting to grow.

So much for keeping a good lawn good. But suppose it's so poor it can't be built up? Then you had best start making a new one, right now. Here is a program: 1. Spread a good coat of compost or humus (or, if you can get it, well-rotted manure.) 2. Dig up the whole lawn—or have it dug, plowed, or Rototilled at least 6" deep. 3. Work in twice as much plant food as advised for summer feeding, and more organic matter, if available. 4. Sow thickly some quick-growing, warm-weather crop, such as oats, millet, buckwheat, soybeans, to be turned under when 8 inches tall, and, in any case, by mid-September. 5. Fit the soil well, working in another dose of fertilizer if budget permits, leveling, and raking. 6. Seed to a good mixture of grasses recommended for your locality and the soil and shade conditions on your plot, using 4 to 5 lbs. per 1000 sq. ft. Rake in, roll, and water well.

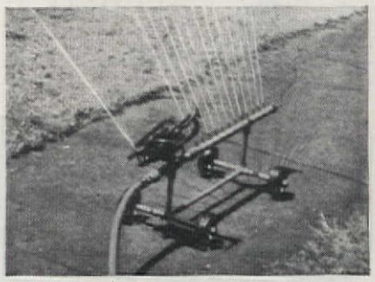
You probably won't mow the new lawn this year. Keep off it all you can until the ground freezes, then rake off leaves that might smother it. Don't mulch with manure unless this is quite rotted and free from weed seed; even then, go easy. In spring, roll lightly to firm and level soil, then start the seasonal feed—mow—water program. Lots of work, you say? Not in proportion to the results.

(And there are many aids, like those pictured here.—Editor)

1. For more and better mowing

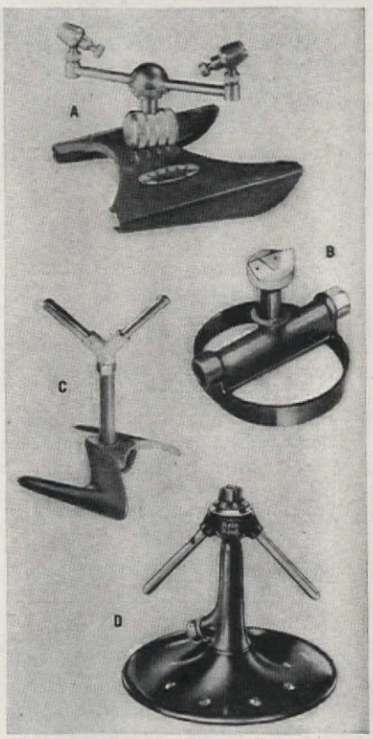


2. Rain when and where you want it

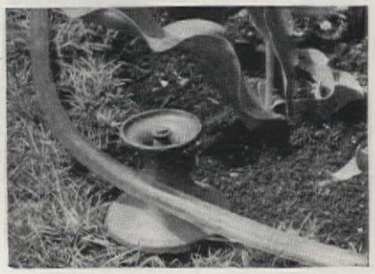


3. It puts the killer on the weeds

4. Sprinklers that really sprinkle

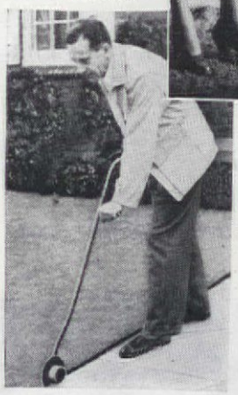


5. Keeps the hose where it belongs



6. For precision weed-killing

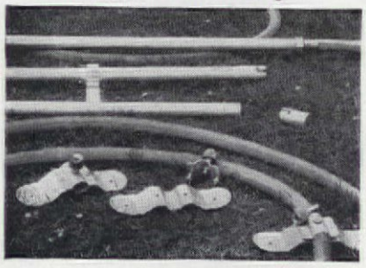
Wendell Kilmer
F. M. Demarest



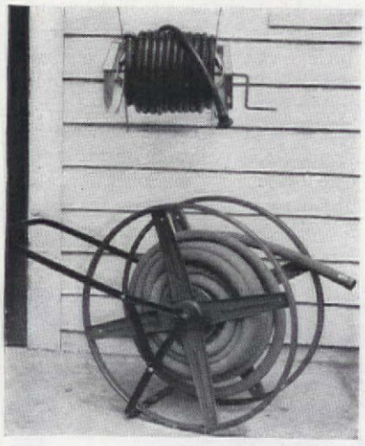
7. It trims as it rolls

8. For quicker weed coverage

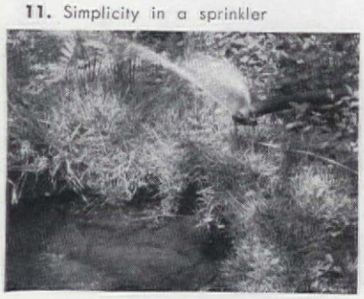
9. Two aids for lawn watering



10. Modern hose; modern reels



11. Simplicity in a sprinkler



. . . **1.** Hand mowers: left, Pincor all-steel A-16 has handy knob height adjustment, removable cutting assembly. (Pincor Products Corp.) Right, Pennsylvania Great American —ball-bearing, self-sharpening, 15" to 19" widths. (American Chain & Cable Co.)

. . . **2.** March Automatic Rain-maker oscillates to cover 1200 to 2400 sq. ft. depending on model, water pressure; can be set for steady spray. (March Automatic Irrigation Co.)

. . . **3.** Rubber stopper and two plastic tubes of EndoWeed Side Spray fit ordinary gallon jug, apply fan spray to lawn weeds. (Swift and Co.)

. . . **4.** Sprinklers: **a.** Machined brass, ball-bearing Rieger Royal; nozzles adjustable for fine or heavy spray. (Rieger Mfg. Co.) **b.** Compact, non-rusting, easily cleaned Rotor Rocket. (Moran Mfg. Co.) **c.** "7-11" (Lucky Number) Sprinkler, streamlined, swirls water evenly over 36' circle. (W. D. Allen Mfg. Co.) **d.** Finger-tip control on Automatic Rain King K sets coverage anywhere from 5' to 50'. (Sunbeam Corp.)

. . . **5.** Hose Guide's revolving metal spool on 1' spike leads hose around beds and keeps it from damaging the plants. (Garden Specialties Co.)

. . . **6.** Wick at end of Weed Wand, a 34" by 1" plastic tube, applies any 2,4-D liquid to particular weed; manipulation of rubber plug at top controls flow. (Gro-quick Co.)

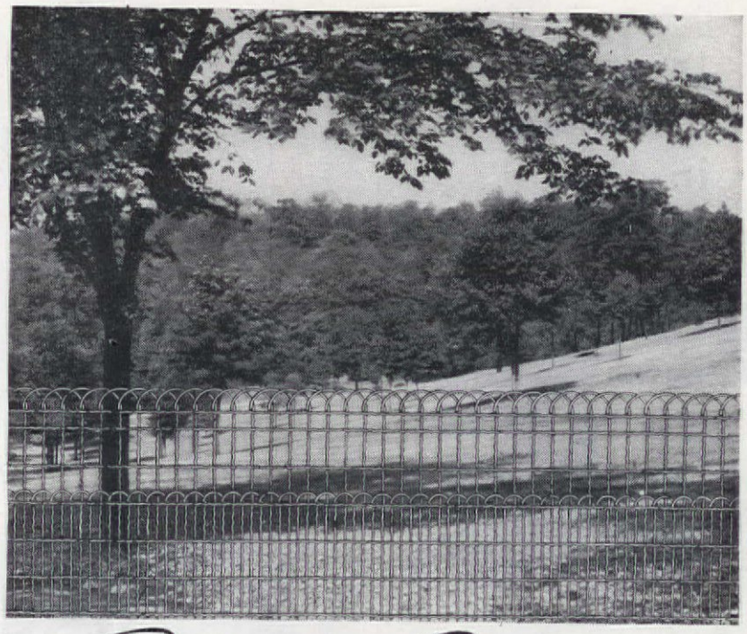
. . . **7.** Broad steel hub of Rototrim Lawn Edger runs on walk while sharp, rotating cutter slices through encroaching sod. (E. A. Mfg. Co.)

. . . **8.** Hudson Home Gardener weed spray outfit includes 2½ gal. copper pressure tank, oil-proof hose, brass extension and 3-nozzle boom, all on aluminum and steel, rubber-tired cart. (H. D. Hudson Mfg. Co.)

. . . **9.** Two irrigators: Above, 5' by 1" perforated aluminum tubes of Naturain give 20' wide spray; connect in series as needed. (Western Home Products Co.) Below, Bradson 1-2-3 System supplies 3 brass adjustable nozzles and supports; easily attached to any hose (without hindering its regular use), they apply spray along its whole length or any desired fraction thereof. (The Bradson Co.)

. . . **10.** Contrast the 50' of modern Vinylite plastic hose (green, red, or silver) on Handy Wall Type Reel (above) with 50' of rubber hose (three times as heavy) on Kant-Tip Reel (below). (Hose, Sandee Mfg. Co.; reels, Delta Mfg. Corp.)

. . . **11.** Piezo all-bronze, two-pronged lawn spray (pictured as pool fountain) throws broad fan; easily moved while in action. (Piezo Mfg. Corp.)



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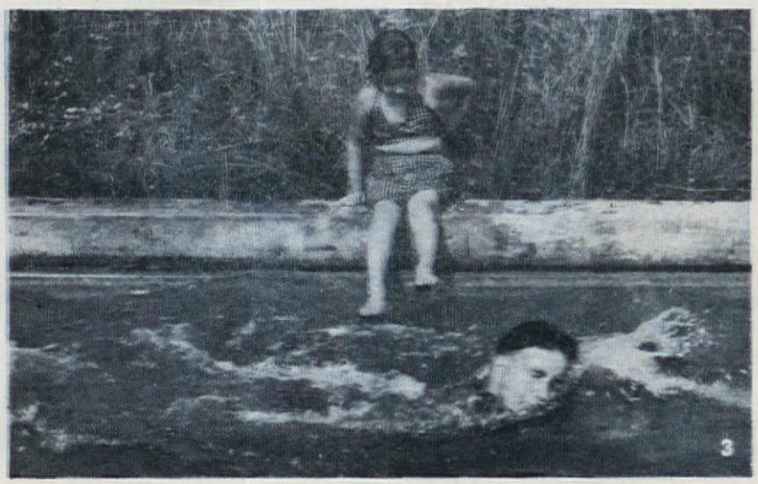
Better late than SORRY

ALDEN STAHR

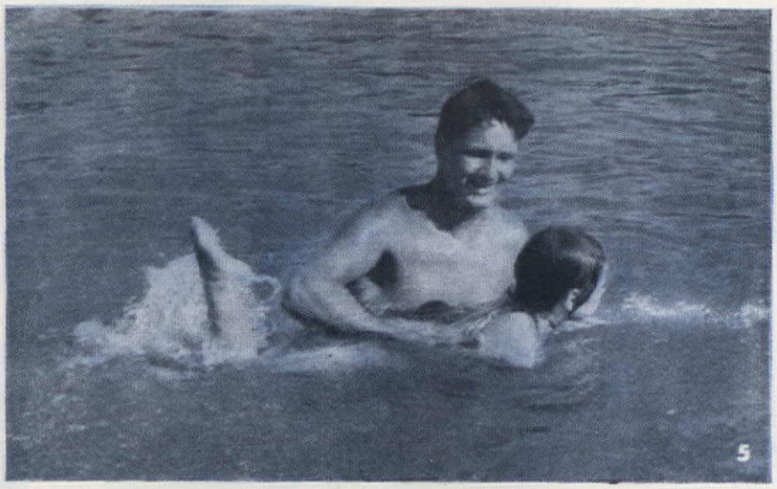
Your youngsters can't swim? If they are three or older, start teaching them today. It's life insurance for them, less anxiety for you



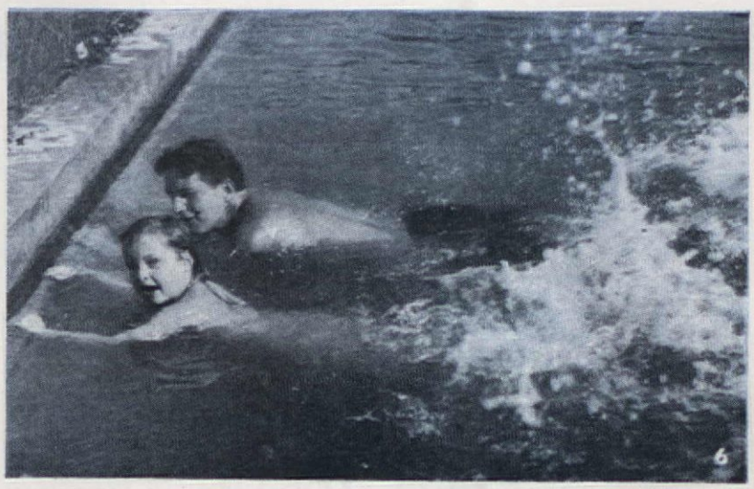
Be patient, patient, patient. Let the child get used to the water and to seeing you enjoy it (3) and don't expect too much progress just because it's *your* child. Gradually get him used to being in it, supported (5), while he splashes with arms and legs. After a week or two, get him to jump into your hands (4), letting him go a little deeper each time. Next get him to stand waist-deep on a ladder or other support and push off to you, first a foot or so, then for increasing distances. Keep him low in the water so he'll see how it holds him up. Make a game of it. Praise his gains. Take pictures of his progress.

Life-and-worry insurance, we call it—teaching one's children to swim at the earliest possible age. Life insurance for them, whenever they are near water. Worry insurance for you, because you can't always watch them. It doesn't lessen your responsibility, but you feel more secure knowing that they can keep afloat *and* keep their heads if need arises.

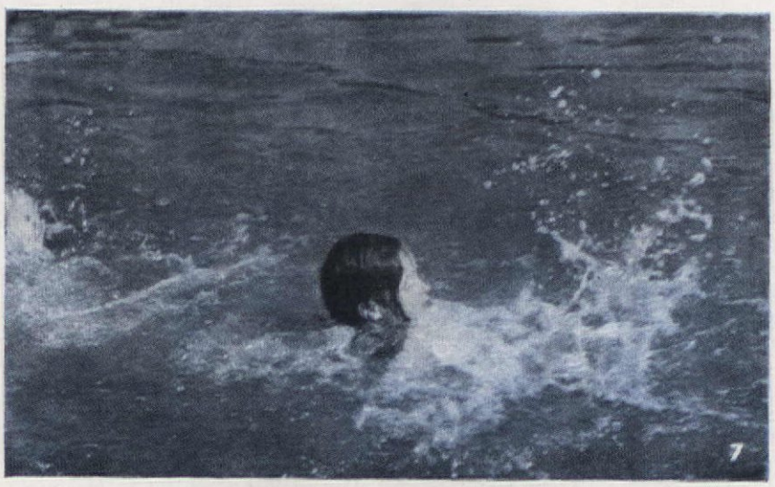
First, inspire confidence by demonstrating *your* ability and lack of fear (3). If you can't swim, leave the teaching to someone who can. Then, teach graphically. Show your pupil how to "make your hand like a spoon" (1) so water won't slip through. And how to "keep your legs straight as sticks" (2) in kicking.



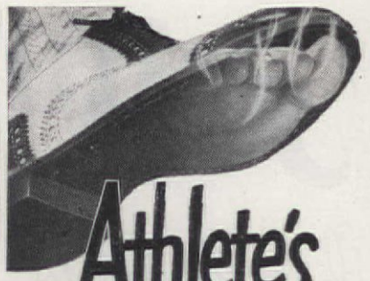
Don't worry about the mechanics of tot swimming. The crucial point is the break between support and non-support. To achieve it, stand in shallow water (5) and keep the child up with a hand held lightly on each side of his chest, while bidding him splash mightily with arms and legs. That splashing—a natural sequence of a baby's reaction in a bath tub—is the first step toward real swimming. Gradually let him exchange your support for that of the pool-edge (6) until he is at ease, ready and anxious for the next big step, which is—



With very young children, orthodox swimming-class methods won't do. Here it isn't form or the kind of stroke that counts. It's getting the child to like and enjoy the water and to proceed under his own power. As a lifeguard, I have rescued more than one paddler when his inner tube or water wings leaked and lost buoyancy. So I say don't permit the use of tubes or other such playthings until the child can swim without them. Then let them be a reward for swimming a specified distance, even if only as little as five or six feet (8).



The first solo swim (7). One problem in teaching three- and four-year-olds is their frequent dislike of having their faces in the water. To avoid this, let them keep their heads up and use the dog-paddle or whatever stroke is easiest, leaving all attempts to teach the crawl or any other special style until later. Then, you can begin to show the *how* details—cupped hands, straight legs, etc. Go slowly and gradually. Always keep promises. Don't ever force, command, threaten, or scare. It takes patience. But it is well worth while in the end.



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● To kill laboratory cultures of the organisms which cause painful Athlete's Foot is one thing. But to kill them on the living tissues of human feet is far more difficult. Because in some cases the organisms burrow so deeply under the surface of the skin that medication doesn't reach them!

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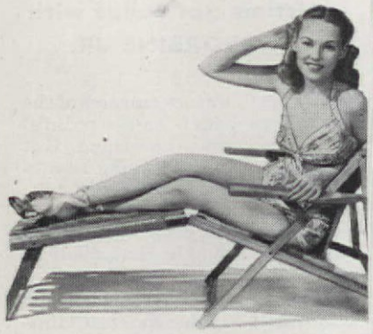

Why sit on the beach and envy other women who are luckier than you about their "days"? Try the *Tampax* method of monthly sanitary protection and then you can swim any day of the month without anyone's being the wiser . . . The secret of Tampax is simple—it is *worn internally!* Hence there is nothing that can possibly "show through" a snug swim suit, whether wet or dry.

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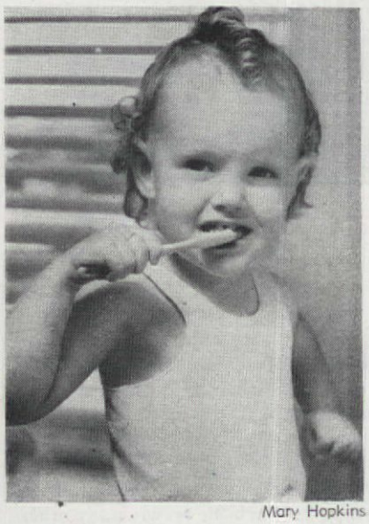
Watching

Underwood & Underwood

YOUR CHILD'S TEETH

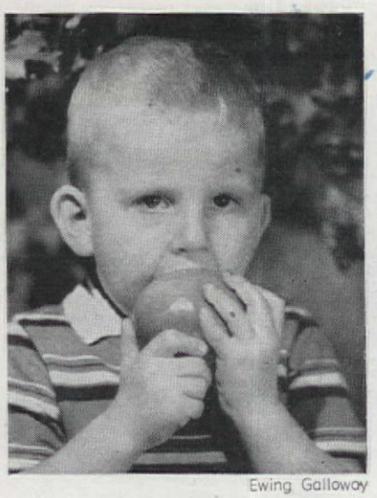
Eighth in a series

by the eminent pediatrician, Dr. Samuel R. Berenberg



Mary Hopkins

● Improper brushing may actually damage teeth and gums. Dentist will teach the correct technique



Ewing Galloway

● Coarse foods like raw fruits and vegetables, toast and bread crusts provide chewing exercise

We Americans, almost to a man and woman, are tooth-conscious. Most of us are convinced that one of the most attractive features a person can have is a wide, smiling mouth displaying straight, even white teeth. Yet the amount of tooth decay in this country, even among little children, is so widespread as to be shocking. Some authorities believe that at least 90% of our children have some kind of tooth trouble, chiefiy preventable. One of the reasons for this seems to be our national habit of indulging what is so aptly termed the "sweet tooth," and another reason, perhaps of greater consequence, is parents' failure to understand the importance of the young child's first, temporary teeth.

Good teeth are essential not only to an attractive appearance (and, therefore, to mental health), but also to clear speech, good digestion, and physical health. Full development of the teeth is a gradual process from before birth to about the twentieth year. Actually, the first eight years of life are the most important, for they span the period of tooth-building.

Those first baby teeth are fully as important as the permanent ones, probably more so, since they are the guides which determine the position of the later ones. If the first teeth are neglected, the permanent ones are apt to grow unevenly, sometimes so crookedly that proper chewing of food is impossible. And straightening crooked teeth is a long, expensive, and usually an unpleasant process.

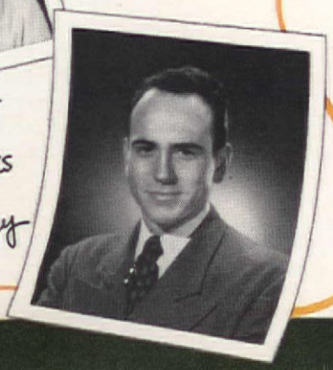
Although baby teeth do not usually begin to erupt until about six months, they are almost completely formed before birth. Thus, for baby's sake, an expectant mother's diet must contain plenty of tooth-building foods—milk for phosphorous and calcium; meat, dairy foods, fruits and vegetables for proper amounts of fats, proteins, vitamins, and minerals. These are the same kinds of food the youngster will need later on when his permanent teeth are forming.

Baby teeth are affected by the same diseases and defects which injure and destroy adult teeth. Decayed teeth cannot chew vigorously, and eventually will undermine general health. Malnutrition due to prolonged failure to masticate food is not unknown. If cavities are not filled, premature—and unnecessary—loss of teeth eventually occurs, endangering the position of the permanent teeth.

While a diet abundant in *building* foods will give a child sound, strong teeth, it will not immunize the teeth against decay. Keeping the mouth clean will help. Every child should start to learn to brush his teeth properly after every meal as soon as his first set of teeth are in, sometime around his second birthday. At this time, too, he should begin to see the dentist periodically, at intervals determined by the dentist. Although the dentist will demonstrate the correct way to brush the teeth, the child will need parental help at first to carry out instructions.

A visit to the dentist is the only sure way to discover the first signs of decay and to prevent its spread by immediate treatment. Since even the simplest examination requires a

Ann wanted every new convenience



Ted said... it must have no moving parts to wear or get noisy

THEY BOTH PICKED SERVEL...

Stays Silent Lasts Longer

(no moving parts in its freezing system)

Ann looked at *all* the new refrigerators. "What I want most," she said, "is lots of room for fresh and frozen foods . . . and plenty of ice cubes." So Ann picked Servel for its food-keeping conveniences.

But Ted insisted, "The freezing system is more important. Let's ask the neighbors how *theirs* have lasted." He found that only Servel *stayed* silent. It gave no noise or trouble even after 18 and 20 years, said many owners. The reason? Only Servel has a different, simpler freezing system with no moving parts at all. No motor or machinery. Just a tiny gas flame takes their place.

So Ann got her wish—and Ted got his. A beautiful new refrigerator with every up-to-the-minute food-keeping feature—operated by the only freezing system that can't wear or get noisy. A famous silent, long-lasting Servel Gas Refrigerator.

CHECK FOR YOURSELF

- ✓ **A big frozen food compartment**
- ✓ **Plenty of ice cubes in trigger-release trays**
- ✓ **Moist and dry cold for fresh foods**
- ✓ **Convenient meat storage tray**
- ✓ **Two dew-action vegetable fresheners**
- ✓ **Handy egg tray**
- ✓ **Flexible interior with clear-across shelves**

A TINY GAS FLAME TAKES THE PLACE OF MOVING, WEARING PARTS

STAYS SILENT . . . LASTS LONGER

Servel

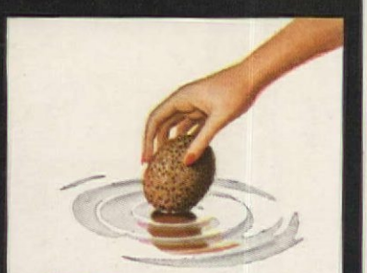
The GAS Refrigerator

See the new Servels at your Gas Company or neighborhood dealer. (For farm and country homes, Servel runs on Bottled Gas—Tank Gas—Kerosene.) Servel is also maker of Servel *Ball-Type* Water Heater and Servel *All-Year* Air Conditioner. Servel, Inc., Evansville 20, Indiana, and in Canada, Servel (Canada), Ltd., 548 King St., W., Toronto 1, Ontario.

with a pad of S.O.S in hand-

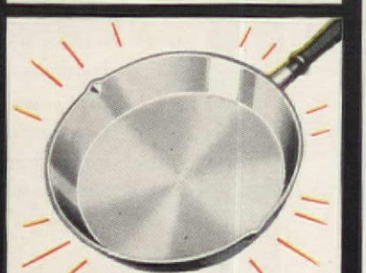
you've the one & only cleanser you need for pots and pans!

Lighten sink work? *You can, you will,* with S.O.S., magic cleanser of pots and pans.



FASTER. Dip S.O.S. in water. Its soap and tough fibres are instantly ready for work.

EASIER. Rub briskly, then gently for polish. Like magic, stains, scorches melt away.



BETTER. Rinse that pan, see that shine. Really, no other cleanser's quite like S.O.S.!

use S.O.S every day — for pennies a month!

The S. O. S. Company, Chicago, Illinois, U. S. A. • S. O. S. Mfg. Co. of Canada, Ltd., Toronto, Ont.

child's co-operation, it is important for him to like and trust the dentist. Taking the child to see him soon after his second birthday, when he is least apt to need dental treatment, and being casual and cheerful about it, will make it easy for everyone concerned—most of all for the child. If the first visit is postponed until radical treatment or an extraction is necessary, the child will be convinced that pain and dental care are one and the same. Erasing a painful initial memory and re-educating the child to regard the dentist as a friend will then be a difficult job for parents.

Until recently the dentist could only treat decayed teeth (by removing the affected area and filling up the hole), but he could not protect teeth against decay. Now, as a result of recent and continuing dental research into the cause of decay, the dentist's function has become enlarged to include the prevention of caries, at least in child patients. It is the opinion of many leading dentists, dental organizations, and health authorities that tooth decay occurs when sugars provide the lactobacilli, always present in the mouth, with the necessary food to promote their rapid multiplication. Furthermore, it has already been clearly demonstrated that fluoride salts properly applied to the teeth of young children reduce the incidence of caries 40% to 60% and afford protection against decay for three to five years. The dentist can test the susceptibility of individuals by means of bacteria counts of the saliva and determine the necessity for fluoride protection. At present, the treatment is simple and inexpensive. One method consists of an initial, thorough cleaning of the teeth and then painting them with the proper strength of sodium fluoride solution at intervals, roughly a week apart, for four weeks. The dates for repeating this treatment depend upon the age at which the initial applications of fluoride are made. A suggested timetable for maximum protection is to have the first treatment at about three years of age—that is, after the first set of teeth is complete—and to repeat at seven, ten, and thirteen years. Strong solutions of fluoride are dangerous, so *only a dentist can perform this protective treatment. Remember that fluorides are not home remedies.*

In time, this treatment may be supplemented by the addition of fluorine to a community's water supply. An experiment now in progress in New York State may prove the value of this community-wide protection. The water supply of Newburgh, New York, has been treated with fluorine, that of near-by Kingston has not, in order to compare results. Early reports cannot be conclusive, but after three years, Newburgh school children have lower lactobacillus counts than before the experiment started; the Kingston children's counts remain as before. These reports would seem to indicate that fluorine-treated water has had something to do with this reduction in counts.

Although the dentist can now offer such a high percentage of protection against decay, parents still have a dietary responsibility toward making that protection 100%, for the baby teeth as well as the permanent set. To people addicted to sweet drinks, candies, pastries, lavish amounts of sugar on cereals, etc., the fact that their diet stimulates tooth decay is terrible news. No one wishes to accept it. Parents hesitate to forbid children the pleasures of sweets and find it difficult to prohibit Jane from sucking on a lollipop when her little friends have one every day, or oftener. Also, youngsters, seeing their friends indulging in sweets of all kinds, develop resentment against parental prohibitions. But certainly a middle way can be found. To provide the growing child with body-building foods (also tooth-building foods) means that carbohydrates, which are energy-giving foods, must not predominate in their diets. Natural fruit juices and fruits should substitute for rich pastries. When children do eat candy, it is preferable that it be in portions small enough to be swallowed quickly. The longer the sugar remains in the mouth, the longer the saliva remains acid, and the more rapidly the lactobacillus multiplies, providing greater opportunities for the teeth to be affected. Immediately after finishing the candy, the child can either check the bacterial activity by rinsing his mouth with water or alkalinize the saliva by drinking a little milk or chewing a piece of fruit. It is wise for parents to dispense candy only directly after meals and to follow it with the last of the meal's milk or a drink of water. Then it is time to brush the teeth. In this way a minimum of damage will be done. Remember that gum-chewing also involves the great possibility of speeding dental decay in a child's teeth.

No matter how faithfully parents fulfill their responsibilities in safeguarding their children's teeth, accidents may occur. Young children engaged in lively activity—running, jumping, ball games, fighting—are only too apt to hurt their teeth. Sometimes such injuries seem minor, so that parents *hope* a slightly loosened tooth will "tighten up" again by itself. Then they are astounded to find that it falls out instead. Since the extent of damage is not always immediately apparent, the dentist or pediatrician should examine the teeth as soon as possible after an accident. Dentists do have devices, which can be used when a first (deciduous) tooth is lost prematurely, to keep the remaining teeth from crowding together as they grow, until the jaw itself is distorted and the second teeth lack the space they need to grow. The dentist knows when such "space maintainers" are necessary.

Before you sign up

REMEMBER: *There are lots of home freezers but only one can be called the Deepfreeze home freezer. Get the genuine when you buy.*

THERE'S ONLY ONE

Deepfreeze

TRADE-MARK REG. U. S. PAT. OFF.

HOME FREEZER

22 Advanced Features . . .
More for your money in every way

Shown here is De Luxe Model C-10, 10 cubic feet, holds over 350 pounds assorted foods. $449.50. Others for any size family, any size purse.

The home freezer that pays for itself
Your dealer can prove it to you . . .

Everybody knows you get a lot of good living with a Deepfreeze home freezer. And here's something else you ought to know. In the long run, *it costs you nothing to own one.* It actually pays for itself—then pays you a handsome profit besides.

Hard to believe? It's a fact. Your Deepfreeze home freezer dealer can prove it with figures right before your eyes.

And those figures will be for *your* family, *your* budget, *your* way of living. They will show the sum you can expect to save by quantity buying—by fewer trips to market—by ending leftovers, spoilage, waste.

Add up these figures and one fact stands out. You are money ahead with a Deepfreeze home freezer. Get the proof, first hand and in full, from your dealer today.

FREE: Handsome 64-page illustrated book, "An Invitation to Better Living." Gives full information on home freezing. Write for it to Dept. AH—88, Deepfreeze Division, Motor Products Corporation, North Chicago, Illinois.

ESTHER FOLEY

Through THE KITCHEN DOOR

On the first cool day in August, the house becomes important again. From that day on, no one can track sand into the kitchen or sit with a damp bathing suit on the painted chairs. Cook for them a woman always will, but unless the family agrees to dress properly after that last picnic on the river or down by the shore, dinner will be passed out to them through the kitchen door.

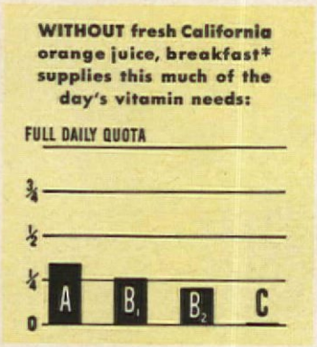
I can remember standing on the back porch, helping hand out food, and feeling the difference between me and the state of the house. Me, so mussed and rumpled, the house so neat and clean. I was young enough to be quite willing to admire it from a distance. A picnic in the yard meant a bonfire of paper napkins and other burnables when darkness settled down. The last of summer belongs to undomesticated emotions, and children have them all.

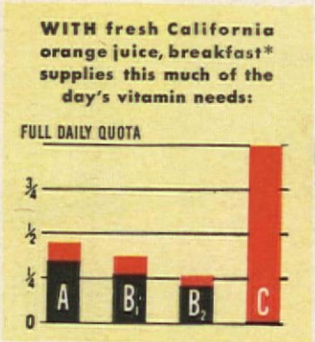
Fried chicken is a wonderful finger food for kitchen-door service. If cut in small enough pieces, and from a young enough chicken, it will cook done in from 5 to 8 minutes, in deep hot fat. Serve it in a napkin-lined basket, with plenty of pan or French fried potatoes and a buttered sweet or plain biscuit. The biscuits can be baked beforehand, and the heat from the chicken and potatoes will warm them enough to start the butter melting. A mixed-vegetable salad, with mayonnaise, should be served in small wood bowls, shaped to fit a clutching palm. It will amply fill the space between the basket dinner and the dessert. A peach dessert it must be, to fit the season. Plain peaches and cream will do, or a peach eaten from the hand.

But, just in case an adult has hurt feelings on being shut out of the dining room, serve our chopped peach pie. Appetizing, flavorful, fragrant, it can be topped with sliced peaches, or with a triangle of baked crust. The cornstarch cream base is amazingly light in texture. If very ripe, the chopped peaches can be added to the hot filling, not cooked with it. If underripe, cook peaches with the filling four or five minutes or until the juices flow.

Pottery, La Gonda, The Gonder Ceramic Arts, Inc.; Cutlery, National Silver Co.; Baskets, American Basket Co.; Wooden bowl set, Munising Wood Products Co., Inc.; Salt and pepper, Jonmar Co.; Table Covering, Columbus Coated Fabrics Corp.; Photographs, F. M. Demarest

See how much health *fresh* orange juice adds

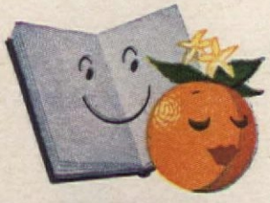




Vitamin C is missing—and so's *this* family's pep! It's the very vitamin that fights fatigue and infection, protects teeth and gums. Youngsters need it for sturdy growth, grownups to keep feeling young. But most foods are poor sources of C. Cooking destroys it. Yet it is needed *every* day—your body can't store it.

Tiptop health for *this* family; they get vitamin C every day! One 6 to 8 oz. glass of *fresh* California orange juice fills the whole day's need. No other juice is so rich in C, gives so many other health benefits. Delicious, too! You enjoy getting your vitamins in *fresh* California orange juice. Drink up—*every* morning—for health, for pleasure.

**cereal with milk, egg, toast and coffee*



BUDGETS LOVE *SMALL* ORANGES! Juicy, small oranges are your best buy now for juice, snacks, salads and desserts. Buy a big bag full and *save!* Sunkist Oranges are the finest from 14,500 cooperating California and Arizona citrus growers.

REMEMBER: *Only the best oranges are shipped* FRESH. *They give you* ALL *the flavor,* ALL *the health.*

California Oranges

Sunkist

BEST FOR JUICE

—and Every use!

Back-yard Dinner

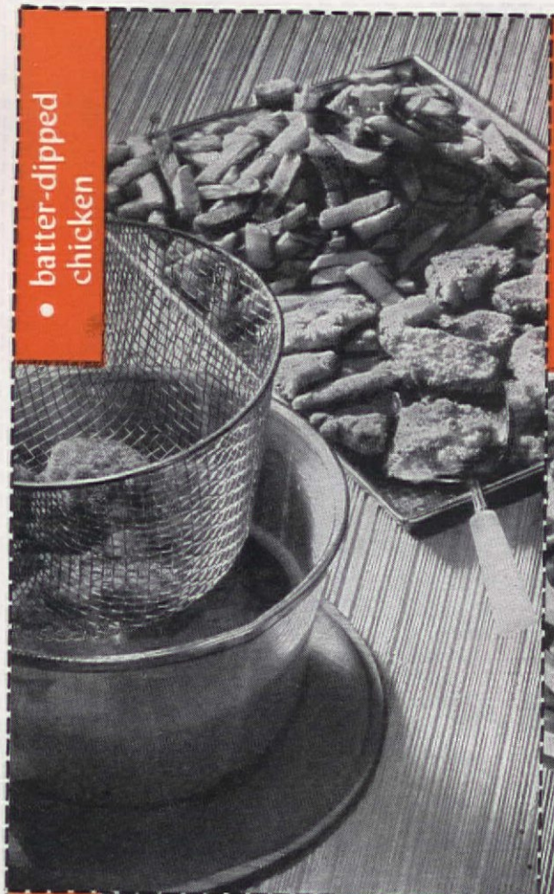
- Chicken in a Napkin
- Plain and Sweet Biscuits
- Mixed Vegetable Salad
- Carrot Sticks
- Chopped-peach Pie
- Coffee

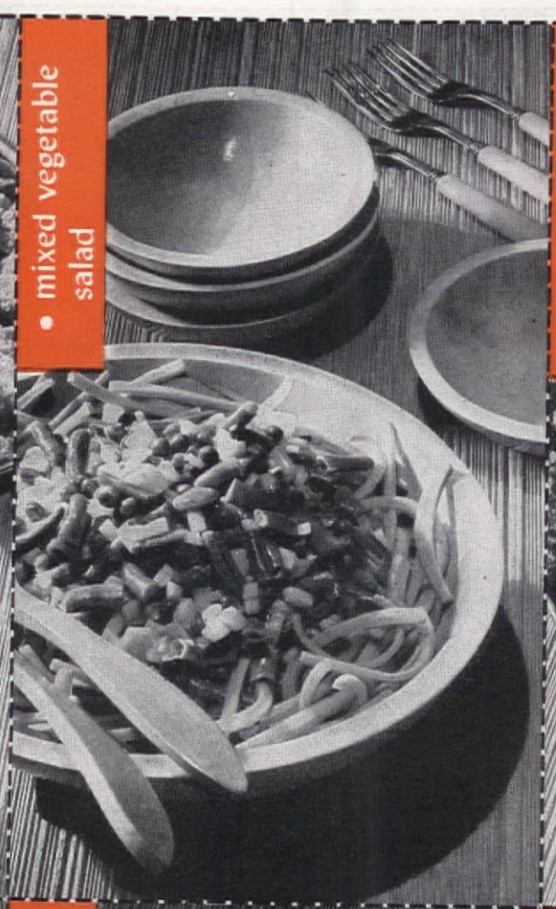
Brunch on the Porch

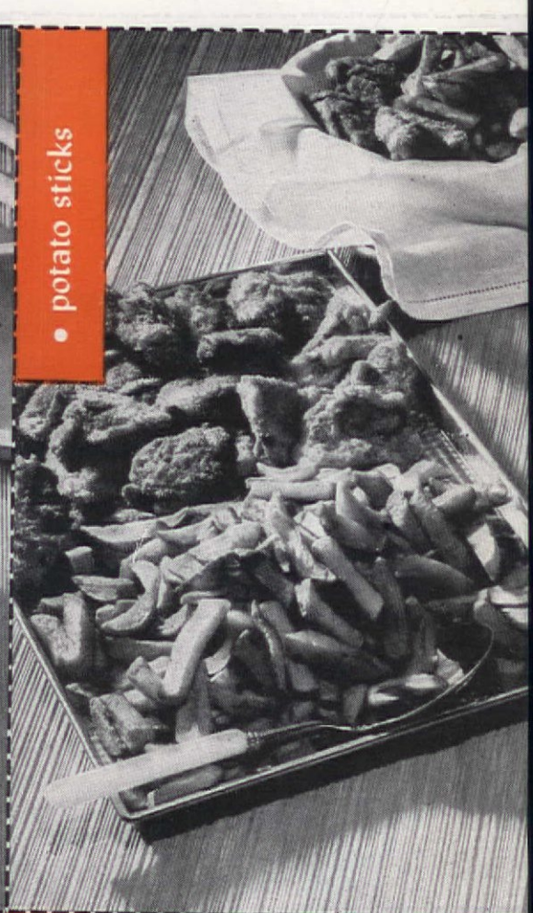
- Stewed Blue Plums
- Poached Eggs on Bacon Curls
- Hot Muffins or
- Blueberry Waffles with
- Honey or Hot-buttered Corn Syrup
- Coffee

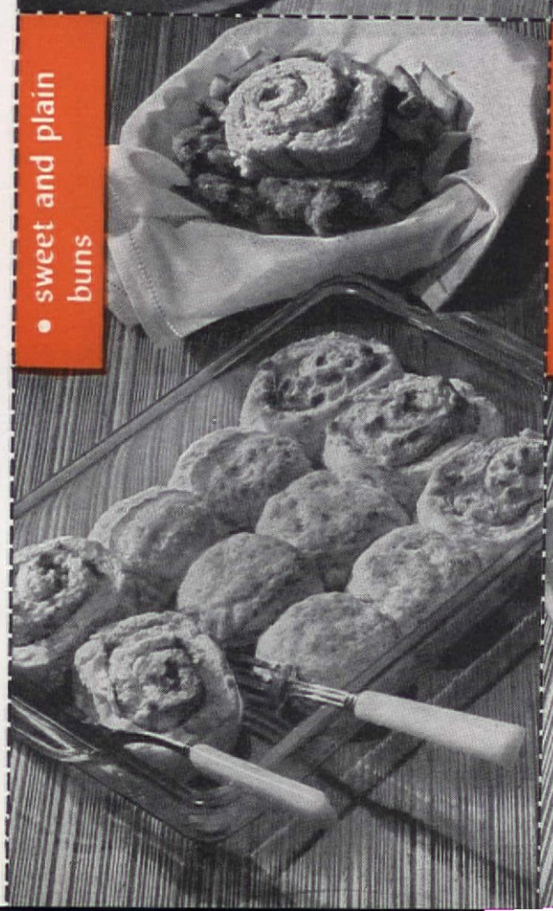
One Cool Day

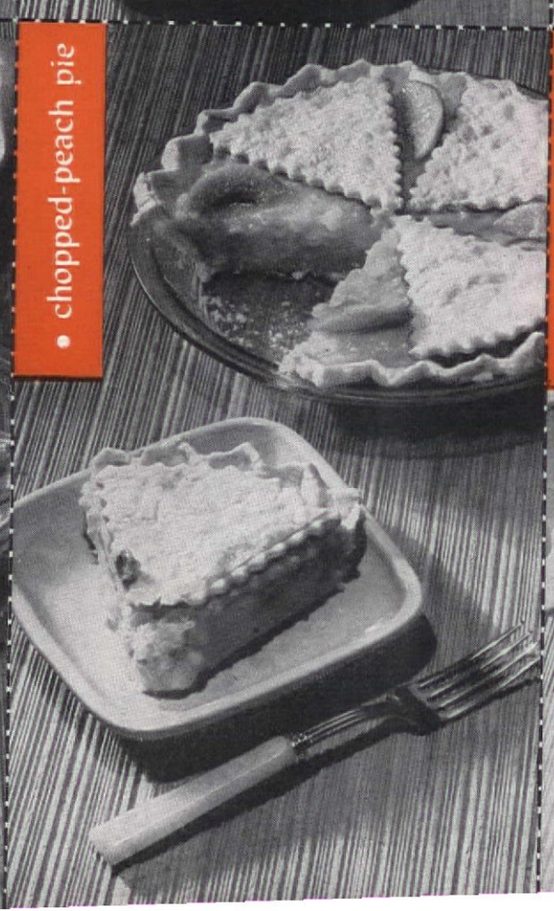
- Cream of Pea Soup
- Roast Spareribs
- Potato Salad
- Cranberry Jelly Slices
- Pineapple and Orange Cup
- Coffee

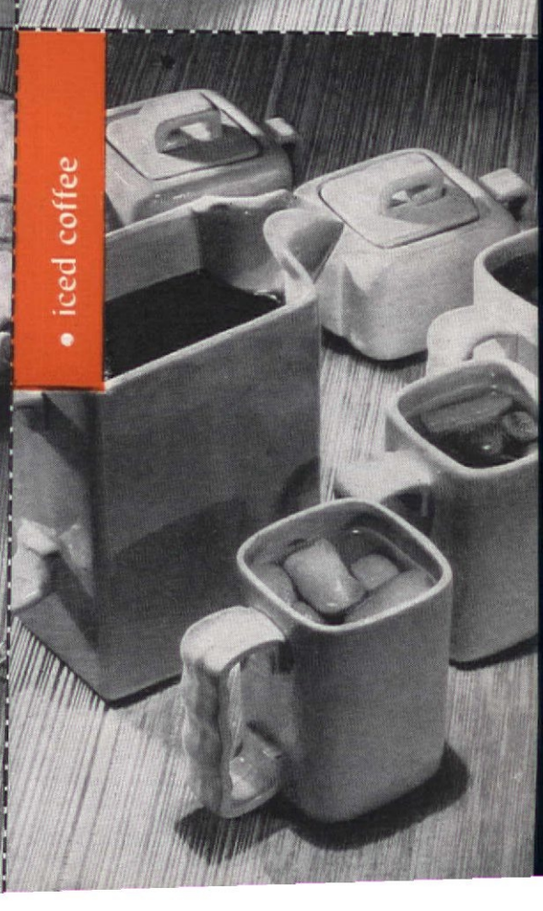












• iced coffee

JIFFY WAY:

1. Make coffee double strength—by using half the amount of water to your usual amount of coffee.
2. Fill a tall glass to the brim with ice.
3. Pour hot coffee over ice. Sugar and cream to taste.

PRE-COOLED WAY:

1. Make coffee regular strength.
2. Cool in covered, non-metallic container for not more than three hours.
3. Serve in tall glasses with ice. Sugar and cream to taste.

Tested in THE AMERICAN HOME KITCHEN

• potato sticks

Quick-frozen French fried potatoes are available on a nation-wide scale. If they are to be used, one package will make 3 good portions. Follow directions for reheating and crisping.

Homemade French fried: Allow 2 medium-sized potatoes per portion. Pare potatoes, and cut in pieces about the length and thickness of a finger, or make them as large or small as desired. Cook in deep hot fat (375°F) 7 to 8 minutes or until soft but not very brown. Just before serving, return to hot fat (400°F) and brown a minute or two. Sprinkle with salt and serve. Or treat as the frozen-fried, and spread the partially browned potatoes out one layer deep on a baking sheet and brown under broiler heat until crisp. This will leave the deep-fat fryer free for the chicken.

Tested in THE AMERICAN HOME KITCHEN

• chopped-peach pie

Preparation time: 45 min.

7 tbs. cornstarch
1¼ cups sugar
½ tsp. salt
2 cups boiling water
1 egg, slightly beaten
2 tbs. lemon juice
3 tbs. butter or margarine
2 cups ripe peaches, chopped

Mix cornstarch, sugar, salt, together well. Add boiling water and cook over moderate heat, stirring constantly until thickened and clear. Pour small amount over slightly beaten egg, and mix well. Return to hot cornstarch mixture, mix well and barely simmer 1 minute. Add lemon juice and butter. When butter is melted, add peaches and remove from heat. Cool, stirring occasionally, and when mixture seems about to set, pour into baked pastry shell. Top with sliced peaches and whipped cream, or with triangles of baked pastry, if a two-crust pie is desired.

Serves 6-8 ***494 cal. per serving***

Tested in THE AMERICAN HOME KITCHEN

• mixed vegetable salad

Preparation time: 30 min.

2 lbs. peas
2 lbs. green string beans
1 small cucumber
4 stalks celery
1 small onion
¼ cup French dressing
½ cup mayonnaise
½ tsp. mixed herbs

Shell, cook and cool peas quickly, running cold water over them. Drain well. Wash beans, tip and tail, and cut slantwise. Cook rapidly just until tender, cool under running water, drain well. Chill vegetables. Just before serving time, peel and seed cucumber, then dice quite fine. Slice celery very thin and dice onion. Combine these three ingredients with the two dressings and the herbs. Add to peas and beans and toss lightly. Serve without greens, using carrot sticks as a garnish if desired.

Serves 6-8 ***330 cal. per serving*** ***Source of vitamins A, C, B complex***

Tested in THE AMERICAN HOME KITCHEN

• sweet and plain buns

Preparation time: 30 min.

4 cups sifted flour
8 tsp. quick-acting baking powder
1 tsp. salt
⅔ cup shortening
2 cups milk
2 tbs. butter
1 tbs. sugar
1 tbs. cinnamon

Mix and sift flour, baking powder and salt. Cut in shortening, using fingers or a pastry blender. Make a hollow in the center, add milk, all at once, and mix quickly until a soft dough is formed. Turn one half onto slightly floured board and, handling as little as possible, roll to ½ inch in thickness. Cut with biscuit cutter and place close together in baking pan. Bake in hot oven 12 to 15 minutes or until done.

Turn remaining dough onto lightly floured board and roll out to about ¼ inch in thickness. Spread with softened butter, sprinkle with a mixture of sugar and cinnamon and roll up as for jelly roll. Cut into slices about 1 inch thick, place cut side down in baking pan and bake in hot oven (425°F) 20 minutes or until done.

Makes 24 rolls, 12 plain, 12 sweet ***113-123 cal. per roll*** ***Source of vitamins A, B complex***

Tested in THE AMERICAN HOME KITCHEN

• batter-dipped chicken

Select broilers or very young fryers if the cooking must be done quickly. If there is time to precook, roasting or stewing chickens can be given this quick-fried method.

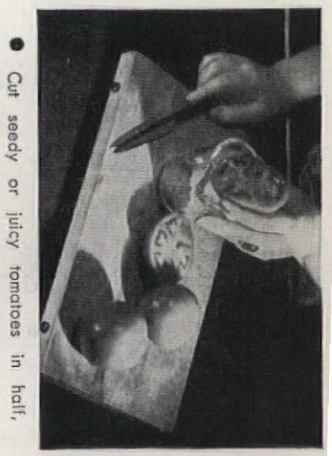
Allow ¾ pound chicken, as purchased, per serving. Cut bird in small enough portions so that they can be eaten easily in the fingers. Broilers can be disjointed as for fricasseeing. Fryers also. Precooked older birds can be cut from the bone in neat fillets. Wipe well with a damp cloth and dry. Make a batter as follows: Combine 1 egg, beaten, ¾ cup milk, 1 cup sifted flour and ½ tsp. salt and mix well, beating with a rotary beater to remove lumps. Dip a few pieces of chicken at a time, drain and fry in deep hot fat (360°F) until well browned. Small, thin sections of chicken will cook done in 5 minutes. The leg portions will require 8–10 minutes. Drain on absorbent paper and keep hot on baking sheet in oven until time to be served. Chicken can be wiped well, dried, dipped in flour, then in beaten egg, then rolled in fine crumbs, if desired. Let stand until dry before frying.

Tested in THE AMERICAN HOME KITCHEN

TRICKS of the TRADE

• Seedy cucumbers can spoil a salad or a relish. Pare, quarter, then cut out entire seed portion. Dry, then dice white flesh

• Coating will stick through frying if chicken is washed well, then carefully dried with a towel before being dipped in flour



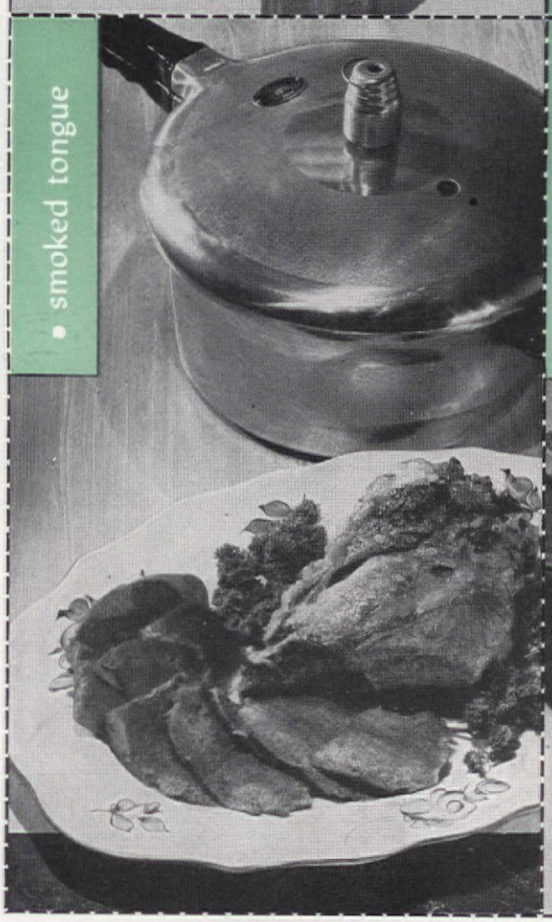
• Cut seedy or juicy tomatoes in half, then squeeze gently, scrape off excess moisture and seeds. Save to flavor soups

NEWS IN *Pressure!*

EDITH RAMSAY

Almost everyone is familiar with the joys of using a pressure cooker. And just about this time of year, you are beginning to think of canning, jellymaking, and pickling. We must admit the pleasure of eating these delicacies just barely outweighs the unpleasantness of standing over a hot range in a warm kitchen for hours to prepare them. So if yours is a small family, and you have need for just a few cans of each fruit and vegetable, the four-quart or six-quart pressure cooker is an answer to a prayer! The four-quart or the four-and-one-half quart pressure cooker will hold three pint jars, and the six-quart will hold four pint jars. Foods such as relishes, jams, and fruit butters usually require from one to four hours cooking time. By using a pressure cooker, cooking time can be greatly reduced. The three pint-jar or four pint-jar capacity of the pressure cooker is just right for processing a small portion of a large recipe for chile con carne or spaghetti sauce. You will find it a penny-saver, too, when you can take advantage of bargains by canning a couple of extra chickens or some stew meat.

The six-quart or seven-quart capacity cooker is perfect for larger cuts of meat or for cooking a large, whole chicken. This capacity will take a seven-pound pot roast or a six-pound chicken. A word of caution,



FOR **EXTRA** RICH BROWN DELICIOUS

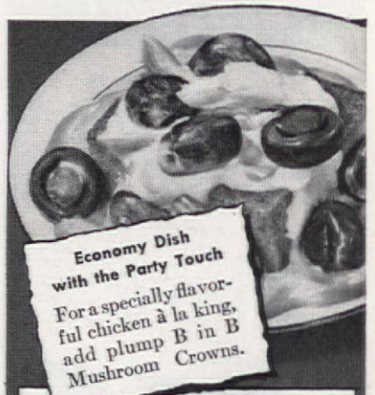
GRAVY

Use KITCHEN Bouquet

Here's the gravy secret good cooks have known for over 70 years—Kitchen Bouquet offers the easy, never-fail way to get *extra* rich, brown, delicious gravy! Kitchen Bouquet adds no artificial flavor—simply steps up true, rich meat taste. Helpful recipe folder with every bottle.

Only B in B Mushrooms Are Broiled in Butter

—to give you that rich, new far-more-delicious B in B flavor!



Economy Dish with the Party Touch

For a specially flavorful chicken à la king, add plump B in B Mushroom Crowns.

Delicious—Ready to Use! No Waste—No Loss!

Choice hothouse mushrooms—tender, meaty—are picked when their flavor reaches perfection! Then they're rushed to our spotless plant, broiled in finest creamery butter and packed in their own luscious broth, to add appetite appeal to *hundreds* of dishes.

B in B MUSHROOMS

now packed in 3 different styles for every mushroom use.

Whole Crowns | Sliced Crowns | Chopped Mushrooms

Season
STEAK
to please a man!

GOURMET'S STEAK

Bring out the glorious *richness* of all steak with sauce like this. Just blend 3 parts melted butter with one part tangy Lea & Perrins Sauce — *there's* heaven to *anyone's* tongue! And do keep a bottle of Lea & Perrins handy on the table — you'll delight the man-in-your-house twice over!

LEA & PERRINS
Sauce
THE ORIGINAL WORCESTERSHIRE
Famous for over 100 years

free! Recipe Book. Write Lea & Perrins, Inc., 241 West St. New York 13, Dept. AH-8.

What flavor!

RECIPE FOR
UNDERWOOD DEVILED HAM STUFFED CELERY CANAPÉ

Clean and cut celery stalks into two-inch lengths and stuff with UNDERWOOD DEVILED HAM moistened with Roquefort or cream cheese. A little finely chopped green pepper gives an added touch of flavor and attractiveness.

AMERICA'S FAVORITE SANDWICH SPREAD

Here's the finest flavor ever packed in a can ... UNDERWOOD'S ... made from selected *whole* hams, minced and seasoned to perfection with Underwood's own spicing formula. A delicious food, truly without equal!

● Here is one of the newest ways to make cooking lots more fun. If you have ever wished for a miracle to shorten hours over the jam kettle, this Steam Jacket Cooker is your answer. The upper cooking section holds three-and-one-half quarts, pressure is in lower section

however—do not fill the cooker more than two-thirds full of food, and cool cooker according to manufacturer's instructions. The same rule applies to the smaller cookers, of course. We can't repeat too often the necessity of keeping the instruction booklet right near the range or cooker, and using it!

Now for some real news in pressure. A well-known manufacturer of pressure cookers has produced a pressure double boiler. It is very attractive and easy to use. Now even the most heat-sensitive foods can be cooked without sticking or burning. Foods that require a long simmering operation, such as chili, spaghetti sauce, jams, and marmalade can be cooked in one half the time. One of the nicest features of this cooker is being able to see what you are cooking, for the pressure is in the lower section and the food in the upper.

• green tomato pickles

Preparation time: 9 hours, 20 min.

4 lbs. green tomatoes, sliced thin
½ lb. onions, sliced thin
½ cup salt
1 tbs. mustard seed
1 tbs. cloves
1 tbs. whole pickling spice
1 cup vinegar
½ cup brown sugar, firmly packed

Place a layer of tomatoes in a large bowl, sprinkle with salt and then add a layer of onions. Repeat until all the tomatoes, onions and salt are used. Allow to stand overnight. Drain in morning. Add the remaining ingredients and cook 20 minutes at 15 lbs. pressure in pressure cooker. Pour hot into sterilized jars and seal.

Makes 3 pints

Tested in THE AMERICAN HOME KITCHEN

• apple butter

Preparation time: 3 hours, 30 min.

10 lbs. apples
1 qt. sweet cider
2 cups sugar
2 sticks cinnamon
½ tsp. anise seeds

Pare, quarter, core and slice apples. Add cider and cook to a sauce. Assemble Steam Jacket Cooker. Exhaust air by allowing steam to escape from open steam valve for 1 minute. Close valve and when puffs of steam escape reduce heat and add sauce to upper section of cooker. Cook until sauce is reduced to about half of original quantity (1 hour, 10 min.). Add sugar and spices tied in bag, and cook for 1 hour longer. Pour into hot sterilized jars and seal.

Makes 5 pints ***80 cal. per tablespoon***

Tested in THE AMERICAN HOME KITCHEN

• smoked tongue

Preparation time: 2 hours, 45 min.

4 lbs. tongue
3 cups water

Cover tongue with cold water and soak for 1 hour. Place tongue on rack in pressure cooker. Add 3 cups water. Cover. Allow steam to flow from vent in steady stream for about 1 minute. Place indicator weight on vent and cook for 1¼ hours after 15 lbs. pressure has been reached. Cool slowly. Remove skin from tongue and keep in liquid to retain moisture.

Serves 10 ***170 cal. per serving*** ***Source of vitamin B complex***

Tested in THE AMERICAN HOME KITCHEN

present, done up in its wrapping of leaves, hot from the ground-oven (or the pressure-cooker if you are modern about it). It can be chicken, or salmon and pork *laulau*. If you have barbecued pig, the *laulau* should be some other meat, preferably chicken.

The pigs are cooked in a ground-oven, called *imu*, with hot stones lining the pit. The ceremony of opening the *imu* is exciting. The native cook kneels by the oven with a huge pan of cold water near him. The top layer of sod has been spaded off and nothing shows but sacking and clouds of aromatic steam. He wets his hands and flips off the burlap sacks. Then, gingerly, he grabs the baked foods surrounding the pig, all wrapped in *ti* leaves, the breadfruits, the bananas. All are whisked away on trays. Cooling his hands again, he throws off the hot stones, still steaming from the water. No working gloves for him; that is considered very unsporting. Finally the pig appears, resting on a bed of hot chicken wire which is lifted carefully. The meat is so tender it falls apart, and a piece of crackling brown skin, then, is definitely the best thing in the world, even if you have to burn your fingers! The meat is served on "pig trays." These huge native trays of carved wood are like shallow canoes and once were part of the royal household equipment. In the houses of the old families, you can still see huge Cantonese dishes, four feet across, made in China especially for the *luaus* of one hundred years ago.

Table manners at a *luau* are definitely different. You eat, you get up and sing or dance your favorite *hula*, played for you by the music boys, and you eat again, and the more you eat, the more you please your host. But don't be afraid of overeating. Among the small coconut dishes around your plate, you may see one holding a teaspoon of red-dish crystals. They're sharp and salty. When I asked about them, my host laughed heartily and said, "Don't eat *that* yet! It's only when you *know* that you have had too much *luau* that you take it—so that tomorrow, you'll still think it was a good party!"

Luau

LUAU

Smoked Oysters

Chicken or Deviled Crab

Tahitian Fruit Poi Baked Breadfruit

Iced Tea with Pineapple Fingers

LUAU

Batter-fried Shrimp

Limed Fish

Sweet-sour Spareribs or Barbecued Piglet

Banana Fritters or Banana Soufflé

Color photographs, Hawaiian Pineapple Co. Ltd.
Food photographs, F. M. Demarest
Drawings by Margaret Nielson

make sure it's BEST FOODS OR HELLMANN'S Real Mayonnaise

IN THE WEST

IN THE EAST

AMERICA'S LARGEST-SELLING MAYONNAISE

A *potato salad ring* browned in the oven is a treat—especially when served with lots of Best Foods or Hellmann's *Real* Mayonnaise. This famous mayonnaise contains no starchy filler. It's flavor-rich with freshly broken eggs, added egg yolks, "Fresh-Press" salad oil, mild vinegar, and spices. It's *real* mayonnaise!

as it is with Potatoes

Spreading ham, or other cold cuts, with Best Foods or Hellmann's *Real* Mayonnaise mixed with Best Foods Mustard-with-Horseradish is an idea born in gourmet's heaven. This delicious mayonnaise has no sissy sweetness. Not just "salad dressing"—it's *real* mayonnaise.

to be as good with Meat

Luau birthday party given by Betty Hutton, star of Paramount Pictures' "Dream Girl"

• deviled Samoan crabs

Preparation time: 30 min.

These are enormous and delicious crabs whose claws match those of the Eastern lobsters. They weigh as much as 16 pounds apiece. But any large crab or a good quality canned crab will provide flavor for this special recipe:

4 or 5 (8 oz. cans) crab meat
1½ cups finely shredded onion
1½ cups finely sliced celery
½ cup butter or margarine
¼ cup flour
3 cups light cream
2 tbs. mayonnaise
2 tbs. catsup
Salt and pepper
1 cup finely rolled bread or cracker crumbs

Free meat from all bits of shell. Sauté onion and celery in butter until soft. Add flour, blend well and then add cream. Cook over low heat, stirring constantly until mixture boils and thickens. Add seasonings and crab meat and stir well. Just before serving, spoon mixture into greased shell dishes, top with crumbs, dot with butter and brown quickly under broiler heat.

Serves 9-12 ***321 cal. per serving*** ***Source of vitamins A, B complex***

Tested in THE AMERICAN HOME KITCHEN

• batter-fried shrimps

Preparation time: 35 min.

1½ cups flour
½ cup cornstarch
¼ cup white corn meal
½ tsp. baking powder
1 egg, beaten
½ cup milk
1½ cups water
5 lbs. green shrimp

Mix flour, cornstarch, corn meal, and baking powder very well. Combine egg, milk, and water and add to flour mixture, mixing quickly and beating with an egg beater until smooth. If necessary, add more water as batter should be very thin. Wash shrimp and remove shell but leave tail on. Remove any portion of black line that appears prominently, but do not spoil shape of shrimp. Dip shrimp in batter so that they are very sparingly coated, and fry at once in deep hot fat (350–365°F) about 2 minutes or until shrimp is pink and coating lightly browned. Drain on brown paper and serve in warm dish.

Serves 6 ***604 cal. per serving*** ***Source of vitamin B complex***

Tested in THE AMERICAN HOME KITCHEN

INT LEADS

point... / Improvements } *Than Any Other Electric Range*

Copr. 1948, Hotpoint Inc., Chicago, Ill.

COMPARE THE RECORD OF ALMOST 2,000,000 HOTPOINT-BUILT RANGES

● ● Yes, Hotpoint is way ahead in electric cooking—and has been for years!

● ● Hotpoint built its *first* electric range back in 1910. Since then, Hotpoint has built *more* electric ranges than any other manufacturer. And next month the *2,000,000th* Hotpoint-built range will be produced in Hotpoint's Chicago factory!

● ● With this great record it's no wonder that Hotpoint brings you *more advancements* than any other make. It's what you'd expect from America's leader!

COMPARE HOTPOINT'S 11 GREAT IMPROVEMENTS!

● ● Look over the beautiful new Hotpoint ranges and compare them with any other make. Notice Hotpoint's marvelous new *high-speed broiler*—so fast it broils steaks for 12 in 10 minutes; Hotpoint's *Sealed-Heat Oven;* its fast starting *Calrod* units;* its raisable *4th surface unit* and 7 other outstanding new features.

● ● You'll understand why *Everybody's Pointing To Hotpoint.* See your Hotpoint dealer today. His name is in the phone book.

Hotpoint Inc. (*A General Electric Affiliate*), **Chicago**

*Reg. U. S. Pat. Off.

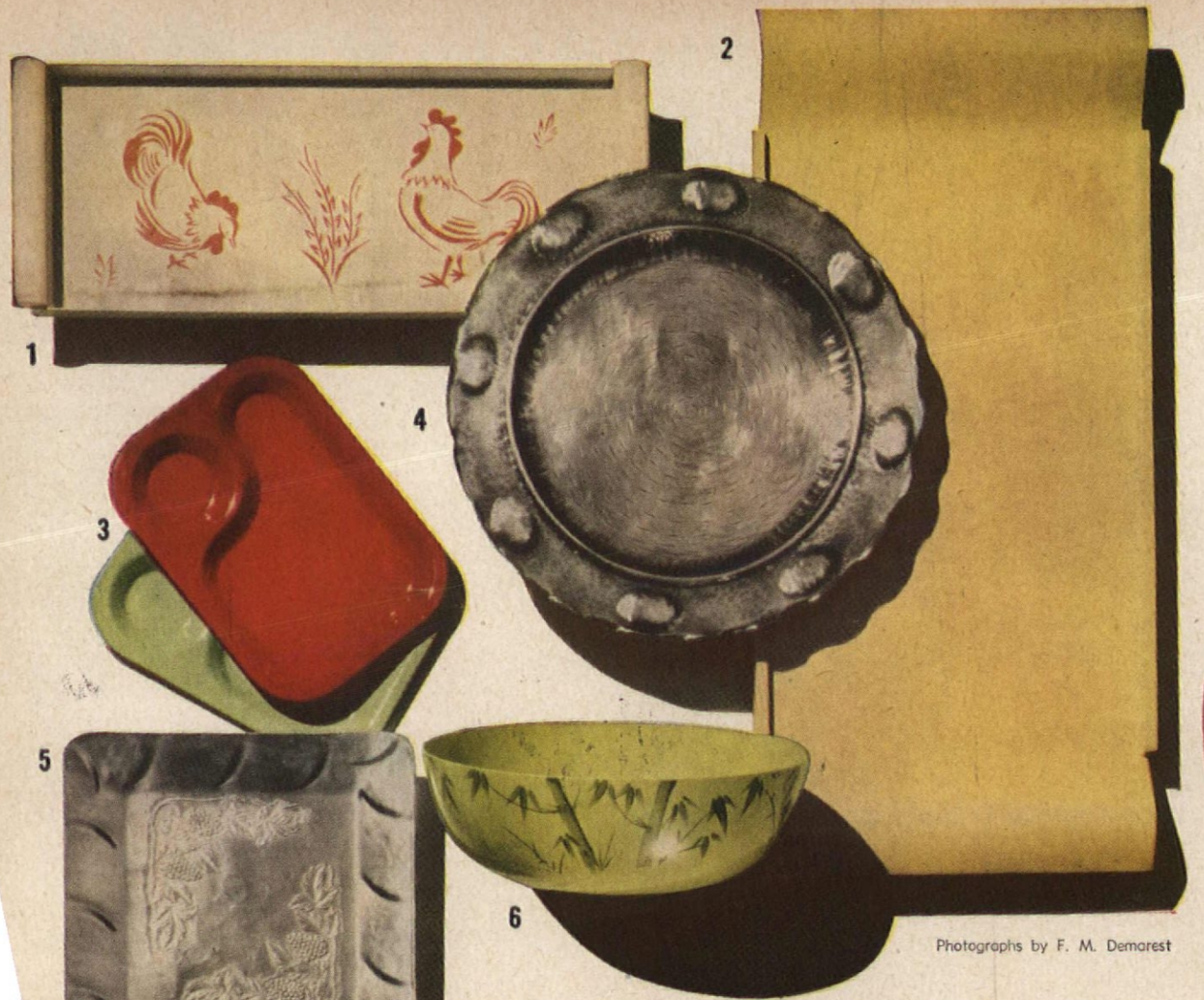
Everybody's Pointing To

Hotpoint *Automatic Electric Ranges*

Hotpoint's Famous Calrod* Units are so speedy and responsive they give you instant heat for cooking.

Hotpoint's Sealed-Heat Oven has unit sealed under oven floor. Oven bakes more evenly, cleans more easily, holds more food.

Hotpoint's Raisable 4th Surface Unit lifts up when needed. Gives ⅓ more top-of-range cooking area.



12

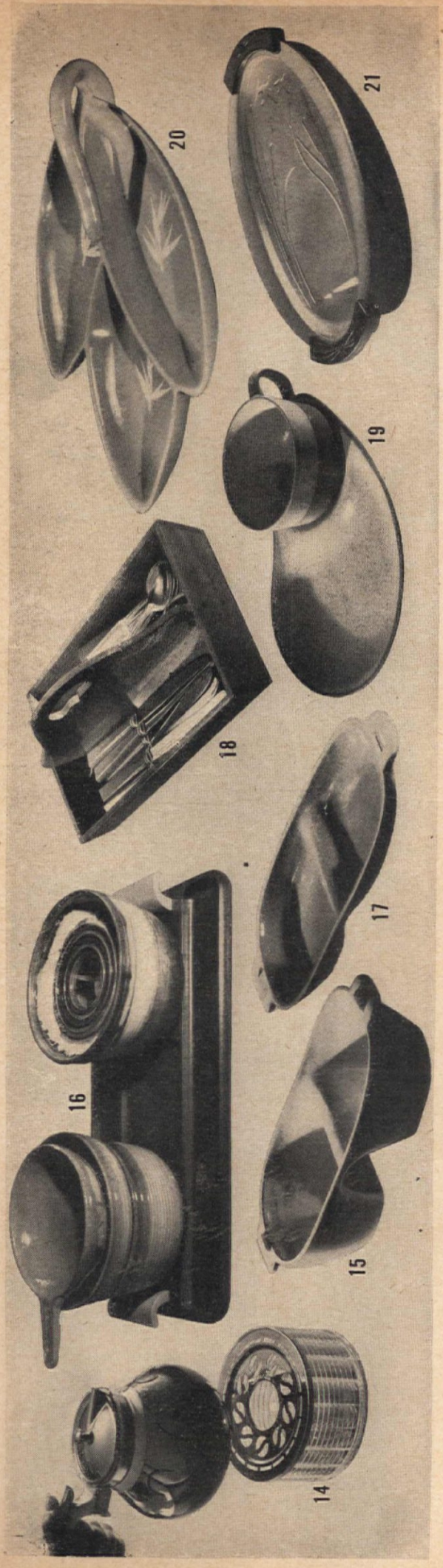
Photographs by F. M. Demarest

1. Cockerel tray, 8" by 20"—The American Art Works, Inc. 2. Breakfast tray of bent plywood with concealed folding, tilting devices—Leipzig & Lippe, Inc. 3. Snack platter of heavy steel with smooth porcelain finish—John's Service Plate Co. 4. Silver hostess tray deeply grooved in center—E. W. Greene. 5. Square hand-forged-aluminum hostess tray—Everlast Metal Products Corp. 6. & 7. Aluminum tray, bowl with natural bamboo design—Florence Thomas. 8. & 9. Round, 19-inch tray with daisy design; steel Early American tray, 18" by 26"—The American Art Works, Inc. 10. Lap trays with authentically reproduced pagoda design, 7½" by 16"—Haskelite Manufacturing Corp. 11. & 12. Narrow, oblong tray with perforated flange; Gallery tray with hand-painted rose design, 12"—Hammond Tole Metal Corp. 13. Hand-painted, floral tray of heavy-guage steel—Harper J. Ransburg Co. 14. Ribbed-glass candle warmer [illegible] chrome top keeps coffee, tea hot without electricity—Silex C[illegible] 17. Ovenproof dual server; lid is divided serving [illegible] Pottery Co. 16. Brazier heated by ca[illegible] 18. Handmade knife box of blond [illegible] side Craftsmen. 19. Ovenproof sna[illegible] lightweight—Albert Pottery. 20. Div[illegible] Products: Winfield Sage Bamboo. [illegible] handles easy to slip on and off, ow[illegible]

Evelyn F. Reed

Save STEPS

You never might have guessed, till you saw them here, that there were so many variations on the basic "tray," still greater variety of their timesaving uses—all guaranteed to reduce household mileage



Do you really use all these trays?" my friend inquired incredulously, as she watched me working the other day.

"Certainly I do," I told her. "I don't know how I'd get along without them."

As I survey mine, there are several kinds—those made of fiber, brass, enamel on tin, pewter, some dainty silver ones, and two modern trays made of wood, but the two for which I feel the deepest affection—probably because they are the most useful—are made of aluminum. The larger one is 15" by 22", the smaller, 12" by 15". They began their service when I had to prepare two different formulas for the twins. Today, I always use them when I prepare a meal, because they protect my fine oiled-birch counters.

For setting or clearing the table, I use a 12" by 15" tin tray. Its enamel finish can be wiped off; it is light and easy to handle. In the summer, when we eat our meals on the porch, we use similar trays.

When stacking the dishes, I place them on one of the aluminum trays. They are washed and rinsed, then put into a dish drainer that rests on an aluminum tray with a rim high enough to catch the drip.

A tin tray finished in antique-black enamel stands decoratively in the center of the living-room mantel. It's a generous size—21" by 17"—and I use it proudly when I have many people in for after-dinner coffee or afternoon tea. A smaller antique-tin tray, 18" by 15", is perfect with Grandmother's Chelsea tea set.

I use a round, enamel, 11-inch tray to collect ash trays. I use one of the oblong tin ones to collect any dead flowers. I arrange the fresh flowers in their containers on a tray and return them, with the clean ash trays, on the same tin tray.

When I cook, I assemble all my materials on one of the aluminum trays to eliminate a last-minute search or the omission of an important ingredient. As I take a cake or cookies out of the oven, I place them on a rack which rests on a tin tray. This is a help, too, when frosting a cake—far easier to wipe off a small tray than to wipe up an expanse of table.

The aluminum trays come into use again for collecting and cleaning the brass and silver. One tray is used for collecting, another for cleaning. The first is used again for replacing the polished pieces. I have watched my friends, many times, make endless trips back and forth while doing a similar task. They argue that it's good exercise. "So what?" is my only answer. *I* prefer a brisk walk in the open air.

I find the enamel-on-tin trays are best of all for sick-a-bed family, because they are so lightweight, easily cleaned, and just the right size for the convalescent's meal. When the children are in bed doing clay work, pasting, or painting, tin cookie sheets, bought at the dime store, are most useful. We have two trays made of fiber which are just right for the children to work jig-saw puzzles on, in or out of bed. The edge of the tray makes a fine frame to build the puzzle against, and we no longer have the tedious, frustrating chore of searching for missing pieces.

Buffet suppers always are fun, but much more enjoyable if one doesn't have all the dishes to do afterward. Paper plates, divided into three sections, which fit on plastic or tin trays are available. It takes only a few minutes to assemble them, and a glorious feeling it is to dump them into the wastebasket afterward!

And trays help when I iron! I put the freshly ironed pieces belonging to each member of the family on a separate, lightweight tray. This prevents crushing, saves sorting and extra trips up the stairs.

One of my favorite trays for serving iced beverages is made of squares of wood. It is 13 inches by 7 inches and has a moistureproof finish. Another one is larger and stands on its own rack.

A silver tray can be most effective used as a centerpiece with floating flowers. Pewter is decorative, too, and a round, black, tin tray makes an enchanting base for a colorful fruit arrangement.

Of course I use all my trays. In the kitchen and out of it—in living room, dining room, or on the terrace—there always is a "tray" to make serving easier, more attractive. No matter how busy I am, I always have "an extra pair of hands!"

Gel-Cookery with KNOX Gelatine

★ Easy to make
★ Creamy-Rich
★ Low-cost

Chocolate Ice Cream

Four Envelopes For 4 Meals

Soften: 1 envelope Knox Gelatine
in: ½ cup cold water
Dissolve over hot water.

Combine and thoroughly Mix: 3½ cups evaporated milk, ¾ cup sugar, ¼ teaspoon salt

Add: Gelatine and stir until sugar is thoroughly dissolved

Combine: 6 tablespoons cocoa, ½ cup sugar, ⅓ cup water

Cook over hot water until thickened, stirring constantly. Add cream mixture to chocolate syrup and stir until blended.

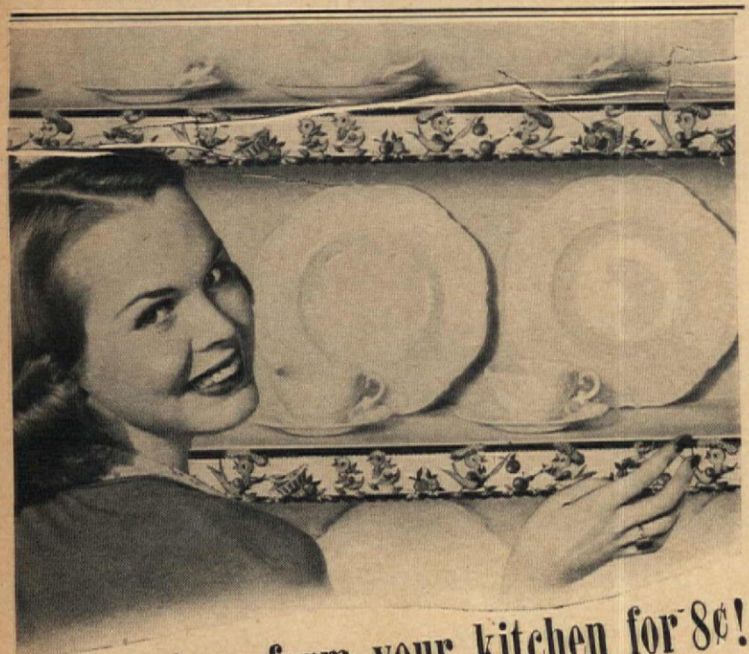
Add: 1 tablespoon vanilla

Pour into refrigerator trays. When mixture has frozen one inch in from edge, remove to a chilled bowl and beat until smooth. Return to trays and continue freezing. Serves 8.

FREE . . . New Recipe Book of GEL-COOKERY

This grand ice cream is just the beginning of a new world of meal-fixing with *Gel-Cookery*—delicious low-cost desserts, main dishes and salads. Send today for the new booklet, *"Better Meals With Gel-Cookery."* It explains this modern technic with Knox, the *real*, unflavored Gelatine—gives a wealth of new-day, family-tested recipes you'll be using again and again. Write a post card to Mrs. Knox, Box A-4, Johnstown, N. Y.

KNOX Gelatine
ALL PROTEIN NO SUGAR

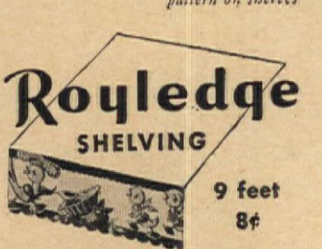


How to transform your kitchen for 8¢!

Put colorful "highlights" in your kitchen to avoid a blank "kitchen-look" and make the room bright and inviting to friends and yourself! Use gay Royledge Shelving in merry reds and greens, pumpkin yellows and rich blues . . . on your cupboard, closet and open shelves. Royledge brightens a dark kitchen (painting walls sunny yellow or sky blue helps too) . . . and gives color "life" to a white kitchen.

Re-decorate kitchen monthly for less than a penny a day by changing Royledge patterns. So easy, Royledge is shelf lining paper and edging all-in-one. See gorgeous new Royledge designs now at 5-and-10's, neighborhood, hardware, dept. stores.

New "CHICKADEE" pattern on shelves

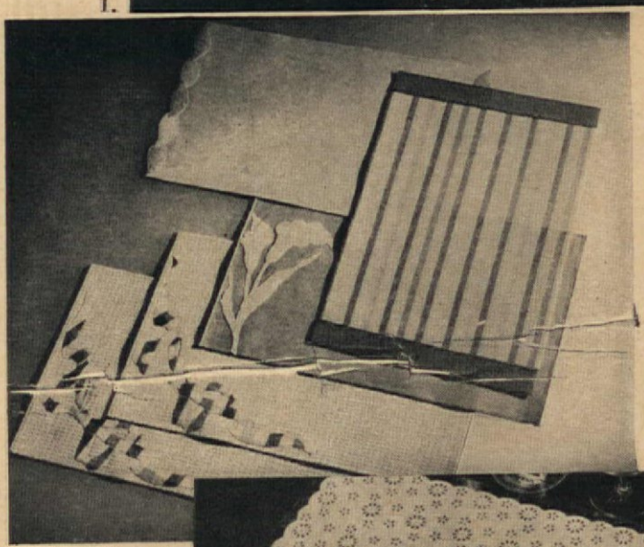


Trade Mark "Royledge" Reg. U. S. Pat. Off.

Spare THE WASH

...and spoil yourself

1.



2. F. M. Demarest

3.

4.

5.

NABISCO PARTY NEWS

They hurry home for this

AFTER-SCHOOL TREAT

brightened with Frutana

Refreshments

Chocolate milk Candy canes
Frutana

Dangle a dashing candy cane on a glass of chocolate milk—and serve with plenty of Frutana. It's *party-best* to the youngsters! Easy for you—and *good* for them! Because Frutana is a simple, *wholesome* cookie—raisin-rich and *marvelous!* Keep Frutana handy for sweet-toothed pantry prowlers—for serving with desserts. Try the many other package cookies that bear the red Nabisco Seal—your assurance of *finer quality* when you shop!

NATIONAL BISCUIT COMPANY

SELL CHRISTMAS CARDS

FREE SAMPLES do the selling for you! Show your friends and others these smart new **Name-Imprinted** Christmas Cards. EMBOSSED folders at 50 for $1.00 WITH NAME. Sensational money-saving values! You make BIG PROFITS full or part time! No experience needed to earn.

Big New Line MAKE EXTRA EASY MONEY now by showing lovely Greeting Card Assortments. Superb 21-Card "Feature" Christmas Box sells easily at $1—pays you up to 50c! Also Religious, Gift Wraps, 50 for $1 Stationery, others. 31 profit winners to sell at 60c to $1.00 each.

50 for $1 WITH NAME

31 Box Assortments

Get Samples Now Start making BIG MONEY at once! Send today for "Feature" Christmas Assortment on approval and FREE Imprint samples. Every day means money. WRITE NOW!

FRIENDSHIP STUDIOS, INC.
128 ADAMS STREET • ELMIRA, N. Y.

STAMPED LINENS at ½ PRICE

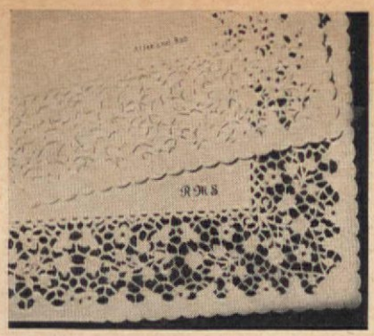
FREE 24 PAGE CATALOG

Buy quality stamped goods direct from manufacturer—save one-half. Over 100 new items—pillow cases, seamless pillow tubing, show sheets, scarfs, bridge sets, luncheon sets, table cloths, show towels, bedspreads, aprons, infants' garments, imported Linens and Novelties. Complete embroidering instructions free. It's easy. Write:

MERRIBEE ART EMBROIDERY CO.
Dept. 180, 22 West 21st St., New York 10, N. Y.

EARN MONEY With Christmas Cards

Easy with exciting new line LOW-PRICED, NAME-IMPRINTED PERSONAL Christmas Cards . . . **shipped direct to customers.** Also big Album De Luxe Personals. Make more money with 21-Card "Feature" Assortment, only $1.00—profit up to 50c. 18 other Christmas and Everyday Assortments. FREE SAMPLES Personal Cards and "Feature" Box on approval. Write **WALLACE BROWN, INC., 225 FIFTH AVE., Dept. H-154, NEW YORK 10, N. Y.**



● Personalized white-paper dining doilies: lace-filigree border, gold name or monogram stamped on; 50—$1.25, 100—$2.00; from Miles Kimball

Gertrude Brassard

During the summer months, when everyone wishes to be carefree, you actually can dispense with the table-linen and laundry problems, still have a pretty table. How? Use paper, plastic, glass, cork, or bamboo place mats. Whatever kind you buy, it will save you work, give you time to pursue the pleasures of summertime.

1. Newest designs of Masslinn napkins come in shades of red, blue, peach, cocoa, green; some are two-toned. Made of nonwoven fabrics, they are soft, absorbent, stay "put" in your lap. Money-saving, because they can be used more than once, then rinsed and used again as napkins, dust cloths, for cleaning frying pan and broiler. Chicopee Sales Corp.

2. For versatile table settings, plastic-coated yarn mats in stripes, in pastel colors with contrasting scallops, light and dark green with white spun-glass calla lily motif; white with plaid bow. They resist water and grease beautifully and, to keep them fresh and clean, sponge lightly with a damp cloth. About $2.75 each. Plexon.

3. The dainty, refreshing, gossamer quality of Swiss embroidered organdy is reproduced in plastic! White organdy background pierced with eyelets of cornflower blue, gold, mint green, coral red, white. The plastic is heavy, noninflammable, heat resistant, and waterproof. Size, 12¼" by 18¼"; 75¢ each. Princess Place Mats.

4. Because lace-paper doilies have so many uses, the new jumbo-size Hostess Boxes are an inexpensive and economical way to buy them. Available in seven sizes, each Box contains 144 doilies of one size, one pattern. 39¢ to $1.39, depending on size; Roylace.

5. The design on the Flexglass table mat is fired on the glass to make it permanent, impervious to heat and water. Dresden Garden pattern shown is available in red, white, and blue; yellow, gray, and white; crystal with gray and white flowers. Prices, $3.00, $5.50 for mats 10" by 16", 12" by 18"; 4 per set. U. S. Plywood Corp.

"Satina in my starch makes ironing 3 times easier!"

WRITES MRS. FRANK H. McCUE, PITTSBURGH, PA.

MRS. McCUE, far right in the snapshot of the McCue family above, writes:
"I make sure I am never without Satina. With Satina in my starch, the starched clothes are more than 3 times as easy to iron!"

Satina is a wonderful ironing aid you add to boiled or unboiled starch. It dissolves easily in boiling water or the boiling starch solution.

It not only makes ironing *lots easier*, it makes clothes *smell fresher, look newer, stay clean longer, too!*

FREE FULL-SIZE PACKAGE

WE'RE SO SURE *you'll* love Satina, if we can just get you to try it once, that we're offering you a *free* full-size package. Enough for 4 big starchings. Just try it and judge Satina for *yourself!*

A PRODUCT OF GENERAL FOODS

SATINA, Dept. 50, Battle Creek, Michigan

Dear Sirs: Satina sounds good to me. Now I'd like a free full-size package to see how much easier it makes *my* starched ironing.

NAME_____

STREET_____

CITY_____ STATE_____

Women say: "Put SATINA in your starch! It makes starched ironing 3 times easier!"

Does your laundering method give you all these benefits?

1. EVERY HOUSEWIFE WANTS HER WHITE COTTONS AND LINENS TO LOOK BEAUTIFUL...TO BE SNOWY-WHITE AFTER WASHING.

2. SNOWY-WHITENESS IS IMPORTANT. BUT...THE MODERN HOUSEWIFE WANTS MORE. SHE WANTS HER LAUNDRY FREE FROM STAINS, FRESH-SMELLING, AND SANITARY, TOO!

3. THAT'S WHY MILLIONS OF WOMEN LAUNDER WITH CLOROX. IT MAKES WHITE COTTONS AND LINENS SNOWY-WHITE (BRIGHTENS FAST COLORS). IT REMOVES STAINS, EVEN SCORCH AND MILDEW... MAKES LAUNDRY SANITARY, FRESH-SMELLING...EVEN WHEN DRIED INDOORS! GIVE YOUR LAUNDRY ALL THESE BENEFITS WITH CLOROX!

Directions on Label

CLOROX...FIRST WITH AMERICA'S HOUSEWIVES BECAUSE IT OFFERS BOTH:

GENTLER Bleaching Action... Longer Life for Linens! You can't find a gentler bleach than Clorox. For Clorox is free from caustic and other harsh substances . . . it's made by an exclusive formula protected by U. S. patent!

GREATER Disinfecting Efficiency ...Added Health Protection! Because it's caustic-free, Clorox works faster in killing germs . . . does a better job of disinfecting. Give your family the extra health protection of a Clorox-clean home!

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There's only one CLOROX . . . it's always uniform . . . always dependable!

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(Chinese patterns on page 40 for stencil or freehand painting on fabric, wallpaper, or woodwork. Designs suitable for adaptation and rearrangement as desired.)

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- ☐ 1021 Oriental bird, 18" x 11", dragon 12" x 15" and flower motifs, 1" x 6", 4" x 4" and 4" x 5" ..... 20¢
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(Painting patterns shown on pages 52 & 54)

- ☐ 1023 "Mary had a little lamb" designs in pastel colors for chair back and hope chest, about 33" x 16" high by 16" wide ..... 35¢
- ☐ 1024 Repeat border of lilies in two sizes, 4" wide for round or square table, and 2" wide for coffee table. To be painted on wood or glass in white or yellow and green, or gilt ..... 25¢
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- ☐ 1026 Antiqued wastebasket. 3 peasant village scenes, 3 borders, for bucket or wastebasket approximately 14" deep x 12" or 14" in diameter ..... 25¢

(Painting patterns not illustrated in this issue)

- ☐ 749 Tropical design for table, bench, or headboard of bed..30¢
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- ☐ 900 Delicate Penna. Dutch bird and scrolls in outline painting for chests ..... 20¢
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NOTE: Line drawings, color key and complete painting instructions with every pattern.

Complete lists of all available patterns on request. For this list write American Home Arts & Crafts Dept., 444 Madison Ave., New York 22, N. Y.

Name

Street Address

City *Zone No.* *State*

PRINT name and address in coupon, which will be used as label for mailing patterns. Cut out order form along dash lines, check patterns desired and send M.O. or personal check to: (Please do not send stamps)

American Home Pattern Department

55 Fifth Avenue, New York 3, N. Y.

WHO SAID A BUG CAN BE SNUG IN A RUG?

I'm leaving here, I am! This CADILLAC vacuum cleaner even gets us bugs—no matter how deep down we hide. The Mrs. treats us like so much dirt under her feet—and boy, what a dirt getter that Cadillac is!

2-SPEED CONTROL
HIGH speed for deep, thorough cleaning. LOW for delicate fabrics.

CADILLAC Revolving Brush and Cylinder VACUUM CLEANERS

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Sold only by reliable dealers

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TWO KINDS

WITH 5% DDT . . . for dogs. Kills fleas and lice quick. Keeps fleas off 5-7 days. Many home uses.

OR WITH ROTENONE . . . for cats, dogs. Quickly kills fleas, lice. Kills fleas when put on a single spot. Pre-war formula.

EITHER KIND: 25¢ & 50¢

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50 NEW BOXES CHRISTMAS-EVERYDAY CARDS AND STATIONERY

Fast-selling line. Many unusual assortments. Christmas Carol, Americana, Etching, "Flocked" Initial Stationery, others. Profits to 100%. Bonus. Special money-saving offers. Experience unnecessary. Write today for Christmas Leader assortment on approval and FREE SAMPLES. 5 different Name Imprinted Christmas Card lines, Personal, Floral Stationery.
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UNDERPILLOW alarm clock and **FLASHLITE** in 2½ x 3½" x ⅜" case. Wakes you by vibration—does not disturb others. For Bed, Dresser, Pocket, or Purse. If your dealer does not have it send $5.50 money order to **FACILITY PRODUCTS, 73 S.W. 8th St., Miami, Fla.** Dealers Desired.

KVP PIE TAPE

ARE THE ANTS

"LAUGHING" AT YOU?

Edwin Way Teale

Dean and Doris Asquith

Mother, oh Mother," called Jane. "Please come into the kitchen." Mrs. Potter could tell that something had gone wrong with her daughter's party preparations. Tears were close to the surface as Jane wailed, "Look, Mother. Ants all over my beautiful popcorn balls, just when I was getting ready to serve them! What shall I do?"

Ants had often annoyed and irritated Jane's mother, but to Jane it was a major calamity. To mollify her, Mrs. Potter suggested cheerfully, "Well, why not have cocoanut macaroons this time? There are some in the pantry." . . . Jane hastened into the pantry, but when she found that the little red raiders had discovered the macaroons as well, it was too much, and she really began to weep. "And Mother," she sobbed, "those nasty ants were laughing at me!"

Did ants ever upset you that way, and laugh at your plight into the bargain? Well, they're like that. Let one scout from a colony find a sweet tidbit in your kitchen, and immediately she will summon an army of her sisters to carry home the prize. Many kinds of ants may enter your kitchen in search of food, but only certain kinds are regular invaders. In the North, they are likely to be either little red, or little black, ones. The former, called Pharoah's ants, are really chummy and live right in the house with you, building their nests under the floor, in wall spaces, and in partially decayed timbers. The black ones may have nests in the house, but ordinarily build them outside, often in the lawn. Other forms that occasionally infest northern homes are crazy ants, thief ants, and carpenter ants. Crazy ants are slender, black, spidery-looking, and move with quick, jerky motions. They invade even the top floors of large city apartment buildings and, no matter where found, invariably have three kinds of guests in their nests—two species of beetles and a small cricket. Thief ants are even smaller than Pharoah's ants, and yellowish. They sometimes nest alone in desk and bureau drawers, but frequently inhabit the nests of other ants, killing and eating their young. Surprisingly, the involuntary hosts never seem conscious of what is going on! The large, black carpenter ants normally live in logs and dead trees, but sometimes move indoors, excavating gallerylike nests in decaying sills and other old timbers. Once inside, their strong liking for sweets usually leads them to the kitchen. Keep your maple-syrup can covered tightly, or they'll clean it out before you get a chance to enjoy it on a pancake!

In the South, and in California, the worst kind, both indoors and out, is the slender Argentine ant, brown, with light-colored legs and feelers. They raid all kinds of food; injure citrus and shade trees; destroy flowers, and maintain colonies of troublesome aphids, mealybugs, and scale insects from which they obtain honeydew, a sweet secretion. During warm weather, they live in small outpost colonies in moist, dark places near sources of food; in winter, they are likely to merge their forces and populate large, centralized, well-protected nests.

Probably less embarrassing, but just as irritating as house ants, are

meet

the cooking treat of the year!

It lights without matches!

Instant high speed, dozens of heats! And remember! Nothing else—*nothing*—cooks as fast as Gas!

Broils without pre-heating!

Broiling as you want it, every degree from char-type to "done through." Only Gas has such flexibility!

Automatic... Clock-controlled!

Cooks complete oven meal by itself! And only Gas air-circulated ovens can bake and brown so evenly!

Only the new automatic Gas ranges give you so many cooking advantages — *inside and out!* What's more, they're faster, simpler, more economical to operate! This super-modern CALORIC Gas range is just one of the many "makes" and models built to exacting "CP" standards now available. Go to your Gas Company or Gas appliance dealer's and choose the one that's right for your "New Freedom Gas Kitchen"*!

AMERICAN GAS ASSOCIATION *Cert. Mark, Amer. Gas Assoc., Inc.

it's the new automatic gas *range!*

Mr. and Mrs. Harold E. Cripe, owners of this modern home at 1010 Russet St., Racine, Wis., write,

. . . "our IN•SINK•ERATOR . . . has disposed of our garbage 3 times a day for the past 10 years . . . we consider it our most convenient household appliance."

FREE FROM GARBAGE!

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TRADE MARK REG. U. S. PAT. OFF.

Electric Garbage Disposer

No home is truly modern without the convenience and sanitation of the IN•SINK•ERATOR method of garbage disposal. When you use IN•SINK•ERATOR all your food waste, bones and leftovers are ground up and flushed into the sewer. No more saving and breeding germs . . . no more garbage odors in the kitchen. IN•SINK•ERATOR'S outstanding reversing feature and two-directional shredding is *completely* self cleansing.

IN•SINK•ERATOR is sold and installed by your Master Plumber. Make your home truly modern with IN•SINK•ERATOR.

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Specializing Exclusively in the Manufacture of Automatic Garbage Disposers Since 1938

"GROOM" HIS MOUTH WITH FOOD TO CHEW!

The chewing exercise he gets from *crunchy* MILK-BONE dog biscuit helps keep his mouth clean...his teeth and gums healthy! This *double-purpose* food also furnishes important vitamins and minerals in appetizing form! *Economical* — for MILK-BONE biscuit is highly *concentrated* nourishment!

Milk-Bone biscuit contains nutrients your dog needs: Vitamins A, B_1, B_2, D, and E ...Meat Meal...Fish Liver Oil...Whole Wheat Flour ...Minerals...Milk.

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Send me FREE Milk-Bone biscuit. Also Booklet: "How to Care for and Feed Your Dog." (Please print. Paste coupon on penny postcard if you wish.)

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This offer good in United States only

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POT CLEANER

Saves time, work and soap. Genuine copper —Cannot rust. Never shreds nor splinters, rinses clean, lasts long.

Ask for The Chore Girl at your local store

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Gorgeous Satin & Velour Designs
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TOMATOES—With its 5 qt. capacity, the Master Size Foley Food Mill strains bushel into juice in 12 minutes—separates skins, seeds.

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Name.....
(Write address plainly in margin)

those that infest our lawns, sidewalks, and driveways. In the North and Northeast they are usually small and either black, or brown to yellowish brown. They make small, relatively shallow nests with entrances marked by those familiar, craterlike mounds of sand. Most lawn ants also foster and distribute colonies of aphids on the tender shoots of flowering plants and shrubs. In certain sections, mainly the South and Southwest, pestiferous harvester ants, fire ants, and others claim squatters' rights on house lots. Some are far worse than northern ants, inflicting painful bites.

Unfortunately, though almost everyone wants to get rid of ants, few know how to do it safely. Housewives tend to object to messy powders, or are afraid to use poison baits lest children or pets get them. Some people hesitate to do any kind of fumigating, as with carbon bisulphide or cyanide preparations. Well, there are other effective measures. House infestations can often be exterminated with aerosol insecticide bombs. In using them, first cover or remove all food from the vicinity, then open the valve on the bomb and spray the trail or ant-run until it disappears into a crack or hole, giving that spot an extra heavy dose. If any ants come back, repeat; they usually give up after three sprayings.

If the invaders are carpenter ants, hunt for the nest until you find it, for in time they will weaken the timbers they live in. Then spray it well with a 2 to 3 per cent solution of chlordane, a recently introduced chemical. Various packaged sprays use it as their active principle, so read the label carefully to get the right strength. Chlordane is also excellent for exterminating ant nests in lawns and along walks and driveways. Last summer, we destroyed several hundred by pouring one tablespoonful of a 2% solution into each entrance. Only rarely was a repetition necessary, though larger nests, as made by harvester ants, might require two or more treatments.

If these simple methods won't work; if an extra large house ant colony persists, or you cannot find a lawn-ant nest, the solution is poisoned bait which, carried down to a nest, will wipe out the inmates swiftly and completely. To know what bait to buy, observe the kind of food the ants attack. If it is sweets, get a sweet bait; if meat or fat, get a fatty bait. Again, the labels will tell you, if the clerk cannot recommend the brand that works best in your area. Follow directions for exposing the bait and, since the ants will take it more readily when they cannot get other food, put all edibles out of their reach. Similarly, when baiting garden ants that are tending their aphis "cows," cut down their supply of honey dew—and at the same time do your plants a good turn—by spraying with a contact insecticide to reduce the destructive aphis population.

Lily white and daisy fresh

That's how your toilet bowls are after you've sprinkled in Sani-Flush. And that's how you feel about it, too, for there's no rub or scrub when Sani-Flush does the work. Sani-Flush removes all unsightly stains and invisible film—disinfects — and leaves perfect, odorless freshness.

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Sani-Flush

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Give your youngster the joy-ride of a lifetime! TRACTALL looks just like a man-size Tractor. It's the perfect gift for boys, girls, up to 12 years old. Pedal-driven. Sold direct from factory. **Write for Literature and FREE trial offer.**
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SELL ONLY 50 BOXES OF CARDS
Show smart Christmas Cards assortments, 60¢ to $1. *Personal Folders, 50 for $1.* New Address Book and Date Book. Samples on approval.
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Smart, youthful styles for Morning, Street, or Afternoon at low budget prices. Charming fashions with concealing lines for the mother-to-be. Also Maternity Corsets and Lingerie.

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Instant-Acting, Cushioning Foot Plaster

To instantly relieve painful corns, sore toes, calluses, bunions, tender spots, burning on bottom of feet—use Dr. Scholl's Kurotex. You cut this soothing, cushioning, flesh color, superior moleskin to any size or shape. At Drug, Shoe, Dept. and 10¢ Stores.

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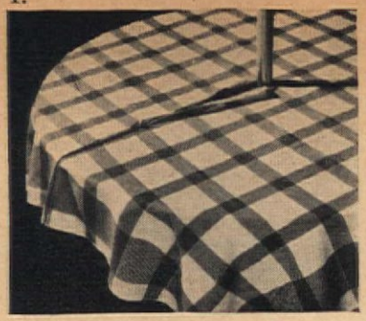

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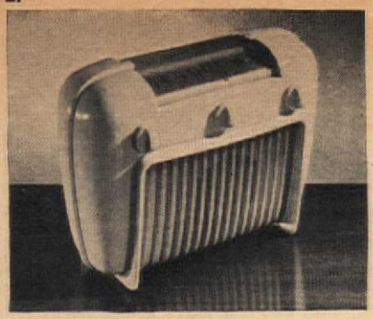

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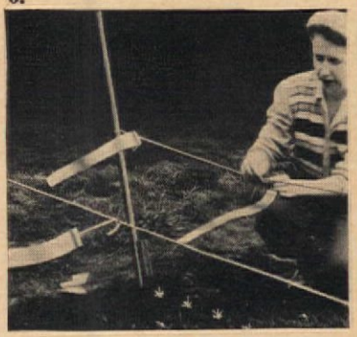

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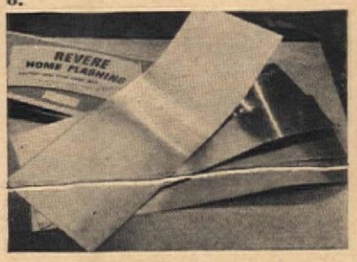

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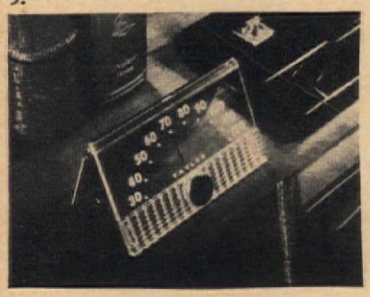

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11.

LOOK, IT'S NEW!

Eleven new things to keep you happy in August, whether you're trying to ignore the heat in the city, or happily forgetting all about it in the country. Each has a gratifyingly practical value; several bear almost visible "perfect gift" labels.

. . . 1. One phase of the old "square peg" problem is neatly solved with a Round-the-Pole patio tablecloth. A fly-concealed Talon fastener is zipped closed after the cloth is placed on the table, around the umbrella pole. The cloth is 54" by 54" to fit round or square tables with 36- or 42-inch tops, and the hand-printed lattice-check pattern is available in red, blue, green, yellow—each on a white background; all fast colors. About $5.95; René, Inc., 7016 Hollywood Blvd., Hollywood, Calif.

. . . 2 The back of this Rondo end-table radio (Model 56TDW) is as good to look at as the front, because it's fully encased in an ivory-and-gold-finished plastic cabinet. From the mechanical point of view, it offers full range, continuous tone control, an illuminated "golden glow" slide-rule dial, enclosed antenna, ground; 7" high, 12" wide, 5" deep; AC-DC. About $34.95; Crosley, Cincinnati 25, O.

. . . 3. Caterpillar into butterfly note; the whisk broom has been modernized in colorful plastic, rechristened "Whisk-Off." The crystal, red, or blue artificial-straw bristles can be washed in soap and water. In three sizes (3" by 6½", 4" by 8", 6" by 10¼") and three prices (about 49¢, 79¢, $1.39). Handles are opaque ivory, black, red, blue,

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• You'll celebrate a "wooden anniversary" every day of the year after you endow the house you live in with the glowing beauty of the Western Pines*.

• These lovely, even-textured woods are practical for a thousand uses—in living room, attic, playroom, kitchen. Or use them from the ground up . . . they are as durable as they are versatile. Find a place for the economical Western Pines and capture beauty to sing about, day after day!

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THESE ARE THE WESTERN PINES

*IDAHO WHITE PINE
*PONDEROSA PINE
*SUGAR PINE

"Warm today, isn't it?"

Even on summer's hottest days, your home can be up to 15 degrees *cooler* with

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GET THIS **FREE** BOOK

Shows how and where to "comfortize" your home.

Mail this coupon to Dept. AM-8 Philip Carey Mfg. Co. Cincinnati 15, Ohio

NAME_____

STREET_____ CITY_____ STATE_____

green; transparent amber, red, blue, green; Modglin Co., Inc., 3235 San Fernando Rd., Los Angeles 41, Calif.

. . . **4.** The Black Leaf Mosquito-fumer will free your lawn and garden, your picnics and fishing trips of the mosquito irritant. Used as directed, it kills both mosquitoes and larvae, protecting you for several hours. One fumer will treat an average city lot. About 45¢; Tobacco By-Products & Chemical Corp., Louisville, Kentucky.

. . . **5.** Dual-purpose and equally efficient in either capacity, the "Handy Sandman," a convertible bassinet will, with cloth bassinet-basket removed, and two, lightweight aluminum trays inserted, serve as a buffet server indoors and out; Radiobar Co. of America, West Los Angeles 25, Calif.

. . . **6.** You won't find this scarecrow in *The Wizard of Oz*—only in gardens and orchards. It's as efficient as it is modern. The "Scare-Away" is specially treated aluminum strips, 15 inches long. Hung over the area to be protected, the strips flutter in the breeze, flash blinding light, make tinkling noises. Package of ten for 20′ by 20′ plot; Donaxe Co., 305 N.W. 12th Ave., Portland 9, Ore.

. . . **7.** For cheerful tables, summer *or* winter, the 16-piece "Berry Festival" Safedge glassware set decorated with berries, blossoms, leaves in red, white, and green. There's a 6-ounce, footed dessert dish, a 15-ounce "soup-to-nuts" dish, a 6-ounce glass, and a 12-ounce tumbler. Colors are permanent. Four of each per set at about $5.00; Libbey Glass, 405 Lexington Ave., New York, N. Y.

. . . **8.** An innovation in home flashing ideal for remodeling or repair work—a packaged unit of nonrustable sheet copper already cut to size. Each package contains ten 18" by 48" copper sheets, 200 hardware bronze nails, and an illustrated booklet that shows how to install flashing at all vital joints of small houses. About $19.95; Revere Copper & Brass, Inc., 230 Park Ave., N. Y. 17, N. Y.

. . . **9.** A handsome, useful accessory, this plastic indoor thermometer has easy-to-read, white-enamel figures. About $2.00; Taylor Instrument Co., P.O. Box 110, Rochester 1, N. Y.

. . . **10.** Olde Thompson pepper mills now are available in natural or sun-bleached California redwood burl. Price, about $5.95 per mill, $8.50 per set; George S. Thompson Corp., 509 Mission St., So. Pasadena, Calif.

. . . **11.** The Harco rod is adjustable and self-suspending for use in closets and automobiles, for doorway hangings and shower curtains. They're made of steel tubing coated with Tenite plastic in four pastel shades. Comes in three lengths according to intended use. Hang-It-All Rod Corp., 1519 Dime Bldg., Detroit 26, Mich.

QUICK RELIEF FOR SUMMER TEETHING

EXPERIENCED Mothers know that summer teething must not be trifled with—that summer upsets due to teething may seriously interfere with Baby's progress.

Relieve your Baby's teething pains this summer by rubbing on Dr. Hand's Teething Lotion—the actual prescription of a famous Baby Specialist. It is effective and economical, and has been used and recommended by millions of Mothers. Your druggist has it.

DR. HAND'S TEETHING LOTION

Just rub it on the gums

It Does 3 Things!

Shreds..Grates..Slices!

Three Kitchen Utensils In One

The Tri-Grater! Shreds—grates—slices! Fine for shredding vegetables, cheese, bread, crackers, nut-meats, etc. Makes dainty sliced dishes—cabbage, carrots, cucumbers, onions, etc. Equipped with "Food Pusher". No danger of cutting fingers. Seamless—easy to clean. Ideal for gifts and bridge prizes.

At your dealer's or mailed postpaid **$3.98**

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New Easy Way to GET $25

Show lovely Doehla Christmas and Greeting Cards, Stationery, Gift Wrappings—to friends, neighbors, co-workers. Make $25 on only 50 $1 boxes. So exquisite they sell on sight! No experience needed—our FREE BOOK shows how any beginner can make money! Write for 2 sample boxes on approval. If friends don't $1 for 25! snap them up, return at our expense.

FREE SAMPLES "Name-Imprinted" Christmas Cards. Sell them at only $1 for 25!

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- ☐ Pressure Saucepans #168 . . . 5¢
- ☐ Canning Clinic #163 . . . . . 25¢
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- ☐ Tips for Freezing #172 . . . . . 5¢

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THE AMERICAN HOME

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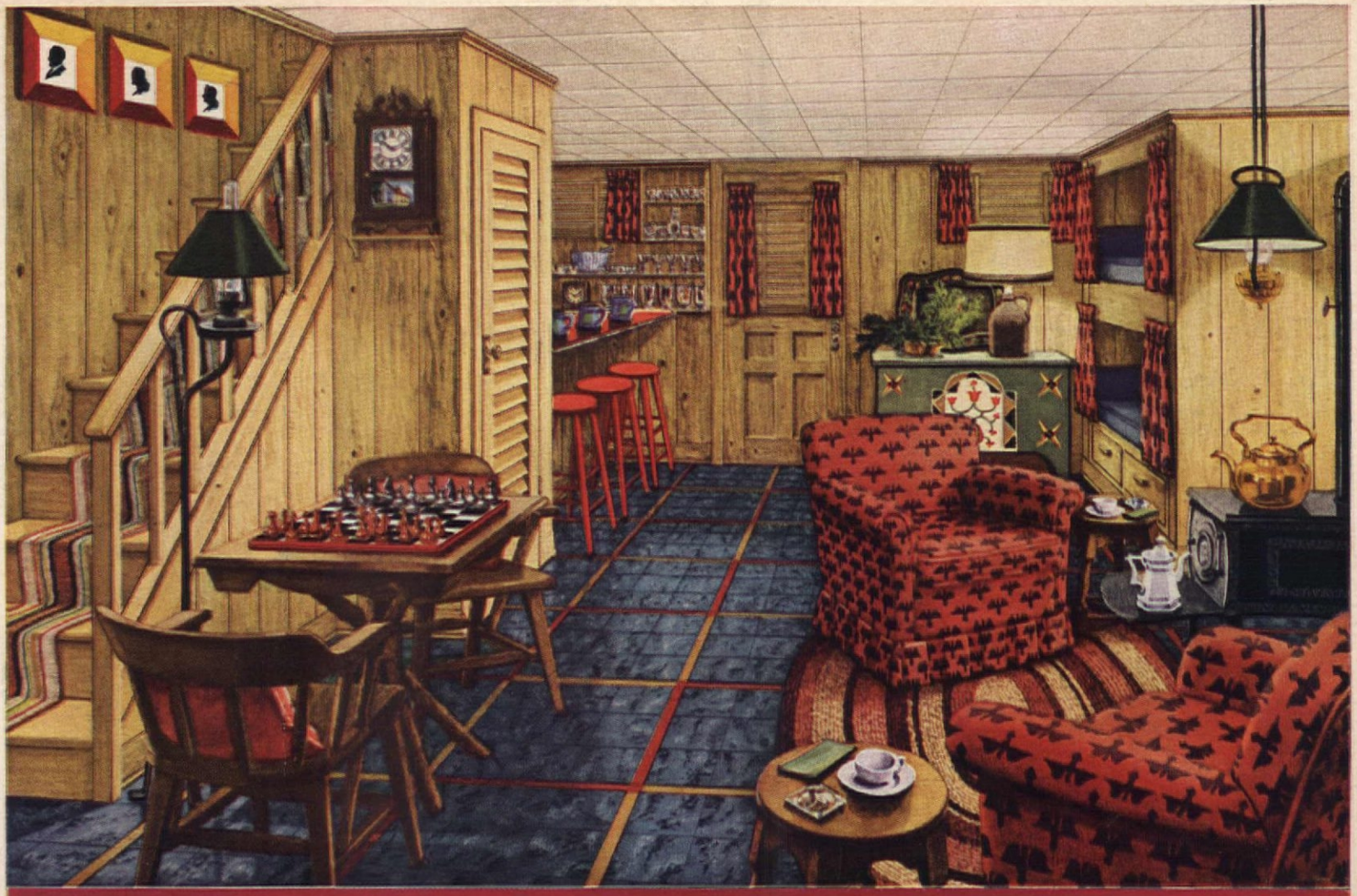

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MOISTURE RESISTANT . . . LOW COST . . . LONG WEARING

TODAY, IT'S PRACTICAL to make your basement as cheerful and inviting as other rooms in your home. A wonderful new flooring material, Armstrong's Asphalt Tile, has solved the basement floor problem. The alkaline moisture that's always present when concrete is in contact with the ground causes ordinary floorings to rot or warp. But Armstrong's Asphalt Tile is not affected by moisture. It can be installed right over your concrete basement floor without expensive preparation.

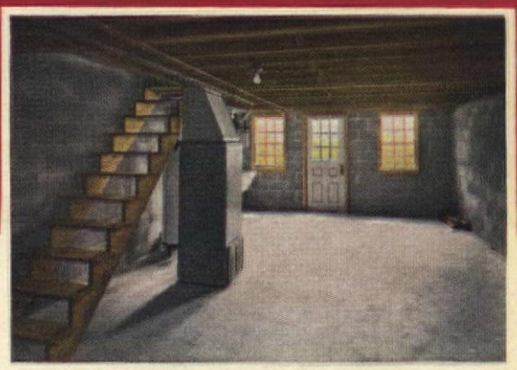
Because this flooring comes in a wide variety of beautiful plain and marbleized colors and is installed a tile at a time, it's possible to create countless "custom" designs. It can help set the style for the decoration of your basement.

Armstrong's Asphalt Tile is tough and long wearing. It resists scrapes, scuffs, and hard knocks of all kinds. Even under severe conditions, this floor will retain its original beauty.

What's more, this floor is easy to keep clean. Dust and dirt can be swept up quickly from its gleaming surface. Occasional washing and waxing will keep Armstrong's Asphalt Tile bright and new looking for many years.

The low cost of a floor of Armstrong's Asphalt Tile is also in its favor. Your Armstrong flooring contractor will gladly give you an estimate to prove how little it will cost to have this modern floor in your basement.

WRITE FOR FREE BOOKLET, "Basement Rooms for Work and Play." It's filled with full-color illustrations of different types of basement rooms. It contains many interesting ideas. It will help you plan the basement room you want. Write Armstrong Cork Company, Floor Division, 4808 Plum Street, Lancaster, Pennsylvania.



IT WAS WASTED SPACE BEFORE. Now this basement is an inviting party room that also serves as a week-end guest room. It's a livable basement for all occasions in every season of the year. The old-fashioned wood burning stove can provide cheery warmth. And the Armstrong's Asphalt Tile will not be harmed by the moisture in the concrete basement floor. See how the floor design and colors emphasize the beauty of the room's furnishings. Feature strips of Garnet and Yellow are combined with Bermuda Blue. Floor plan and details of the furnishings of this basement room will be sent free on request.

ARMSTRONG'S ASPHALT TILE

The low-cost floor (A) with the luxury look

MADE BY THE MAKERS OF

ARMSTRONG'S LINOLEUM AND ARMSTRONG'S QUAKER RUGS

Astoundingly Fast Tree Growth

Now Possible Due to Stark Grafting Method on Double-heavy Root Systems

New Deluxe Book FREE...While they last
Greatest Fruit Tree Book Ever Published. Hurry! Tear Out Coupon! Mail Today!

See New Miracles of Fruit Growing in Grand FREE Art Color Book

Grow Fabulous Fruits on New Wonder Trees, That

Bear Years Younger

Luther Burbank

The new fruit creations of Luther Burbank, World's Horticultural Wizard, are propagated and sold exclusively by Stark Bro's.

See Amazing Difference in Trees Propagated Direct-in-Line from Record-bearing, Younger-bearing Parent Trees of Stark and Burbank

This offers amazing fruit developments . . . improvements that astound even long-experienced orchardists. Yes, miracle fruits discovered and improved by the renowned horticultural wizards, Burbank and Stark. Fruits that are marvels of flavor, goodness, and rich color . . . premium fruit you can grow in unbelievably short time and greater abundance with no extra care.

What makes these apples, peaches, pears, plums, cherries, apricots, grapes so sensational is that they are propagated direct-in-line from Stark Record-Bearing parent trees . . . selected as the cream of the crop for bearing more bushels of finer fruit at younger age.

Imagine trees, many bearing up to 30 bushels of premium fruit—bearing 1 to 3 years younger than ordinary trees.

These are not fruit trees that require years of patient waiting, special soils, or pampering. Many varieties are so different from other known varieties that they have been awarded U. S. Patents, also Trade-Marks. Unlike many varieties, these trees flourish almost anywhere farm crops grow, if given ordinary care. Health authorities are urging people to eat twice as much fruit. Yet the new United States census of agriculture reveals an alarming fruit shortage—only one-third as many apple trees as in 1910 . . . and 61 million more people to feed. The U. S. government is urging more home planting of fruit trees.

Easier to Grow Prize Fruit

Few experienced planters will now waste time on ordinary trees. They simply make sure they buy from the Trade-Mark and Patent owners—for these "Record-Bearing Strain" (Trade-Mark) trees are sold only by Stark Bro's. Every Stark tree is propagated selectively Direct-in-Line from Record-Bearing parents. Each Stark tree is "fattened" before it is dug—loaded with rich plant food elements from selected soils that practically eliminate set-back from transplanting. Each tree is inspected by nursery experts five times before shipment to assure you the very cream of the crop—no runts or weaklings. And safe arrival is guaranteed.

Like Doubling the Tree's Strength

Grafting is by Stark's Double-Strength Root System Method, using the entire, vigorous undivided root system instead of just one small piece of root from a yearling seedling as is often done. This costs us more, but gives the tree super-heavy roots to speed up growth—gives it years' head start.

Glorious Natural-Color Photo Book Tells How Easy

Get magnificent brand new book, just off the press. See how simple it now is to grow prize fruits, shrubs, and roses. See actual specimens in true-to life size and color of fruits you can grow—pictured by the magic of new color photography. Beautiful pictorial ripening charts show when various varieties of apples, peaches, and other fruits ripen—show at a glance how to plan continuous succession of fruits ripening from early to late. Color photos of living fruit make selection easy. This big Book of World's Champion Fruit Trees, Shrubs, Roses, sent you FREE, while they last.

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This is America's opportunity to replace ordinary fruit trees with miracle fruit trees of Burbank and Stark. Stark Golden Delicious (Trade-Mark) supreme for young and heavy-bearing! Glorious new Queen of Quality of all yellow apples—unequalled in richest, juiciest flavor. The magnificent new Starking, Double-Red Delicious (Trade-Mark)—King of all Red Apples—red all over weeks before ripening! See the new Hal-Berta Giant (U. S. Patent) Peach, an enormous mid-season profit producer. The world's largest peach; some weigh 1 lb. each! Also hundreds of other famous Stark fruit trees, shrubs, and roses . . . all true-to-name and true-to-strain, and safe arrival guaranteed.

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If there are none of these Stark Wonder Trees in your locality, you are eligible for a Prize Tree. Offer good for a limited time only, so check coupon below if you wish.

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If you reply at once, we will also send: (1) a remarkably easy-to-follow new Fruit Tree Planting Guide, and (2) FREE Landscape Plans and new Home Landscape Booklet of sensational shrub and rose discoveries telling easy way to do your own Landscape Planning, how to glorify your grounds. We send these two valuable books FREE with the big 72-page Stark Book of Champion Fruits showing new horticultural triumphs in life color. Tear out coupon now!

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