April
House & Garden

Remodeling
How to:
- gain more space
- build in efficient storage
- modernize your kitchen
- bring your bathroom up to date
- open up with window walls
- expand your outdoor living space
- finance your improvements

The New Leisure Furniture
SO PICTURE PRETTY... Downs carpets
in every room! In color-drenched or subdued tones;
in plain or interest-provoking textures; in moth-proofed
all-wools or Acrilan. See them at your dealer and agree:
Downs carpets speak quality at every price; and they’re...

...SO WONDERFUL UNDERFOOT

DOWNNS CARPETS
DOWNNS CARPET COMPANY, INC., PHILADELPHIA 34, PA. • Quality Wiltons for Over a Century
The Swiss room—
decorated with our own Ottavia tambour
embroideries for this breath-taking effect. In sheer
white cotton muslin—coverlet, single, 22.50; double, 29.50
Petticoat, single, 25.00; double, 29.50 Pillow sham, 10.00
Curtains, 10.00 to 20.00 Valance, 5.00

Lord & Taylor—New York, Westchester, Millburn,
West Hartford, Bala-Cynwyd, Garden City, Washington-Chevy Chase

APRIL, 1960
On the cover:
When you are remodeling, take the opportunity to expand your outdoor living space by creating a dining area on a sheltered porch or patio. A grass-green vinyl tile floor, potted plants, plastic "brick" wall covering and a lattice that admits sun and soft breezes make an inviting background for alfresco meals during all except the coldest months of the year. Adaptable leisure furniture such as console tables can be teamed for buffet serving or used separately for seated dinners (for a more complete view of this buffet setting, see page 166). "Athenian" tables by Birmingham Ornamental Iron Co. Vinyl tile by Antico, Plates by Westmoreland Glass Co. "Continental" pattern sterling silver by The International Silver Co.

For shopping information, turn to page 191.
Here are dollars and cents reasons for buying International Sterling by the set—now. Feast your eyes on these exquisite solid silver patterns. There has never been a better time for you to invest in a whole lovely set of them. And only International offers you substantial savings on basic services for 4, 8 or 12 people. So why wait to buy the finest solid silver made? Choose the International pattern that's most personally "you" at your favorite jeweler or department store. Invest in a set, at savings that will delight you, today.

<table>
<thead>
<tr>
<th>Pattern</th>
<th>32-Piece Place Settings (Prices Include FED. Tax)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angelique, Joan of Arc, Pine Spray, Prelude</td>
<td>$192.00, $172.00, $20.00</td>
</tr>
<tr>
<td>Rhapsody, Silver Melody, Silver Rhythm</td>
<td>$214.00, $192.00, $22.00</td>
</tr>
<tr>
<td>Royal Danish (Made in U.S.A.)</td>
<td>$234.00, $210.00, $24.00</td>
</tr>
</tbody>
</table>

Proportionate savings on services in all patterns for 4 and 12 people.

*Each 6-Piece Place Settings (Prices Include FED. Tax)

INTERNATIONAL STERLING...loveliest, by design
TWO WAYS TO ESCAPE
Tormenting Heat
Humidity
Hay Fever
THIS SUMMER
Air Conditioning an area at a time with

YORK POWERFUL - QUIET
ROOM AIR CONDITIONERS

Enjoy 2 Big Comfort Extras
No Other Room Air Conditioner Can Match!

1. They Remove 30% More Humidity! Exclusive York Cooling Maze Coils force air to turn and ricochet around staggered tubes and rippled fins that remove all excess humidity. And with York's extra cooling BTU's per kilowatt you get the greatest total comfort at lowest operating cost!

2. Cool Silently! S-h-h-h-h! You can hardly hear them running thanks to acoustically designed air passages and Dual-Thrust Compressors equipped with twin mufflers and new-type sound isolators.

Hygienic Filtering Of Dust, Pollens, Even Bacteria! York's heavy-duty filtering system actually purifies the air. That means housekeeping is simplified...cleaning bills are reduced...allergies are relieved!

Install a 2-in-1

YORK WHOLE-HOUSE AIR CONDITIONER

And Save 15% Or More On Operating Costs Over Conventional Central Systems!

A York Whole-House System is actually two air conditioners in one! During the hottest, stickiest part of the day, when the cooling load is heaviest, two cooling circuits work together to keep you cool and comfortable. On normally hot days, when the cooling load is moderate, one circuit is sufficient to maintain the desired comfort conditions—saving you 15% or more on operating costs! York Central Systems come in sizes to fit every home, every budget. They can be installed inside or outside the home. Existing blower and ductwork may be used to save on installation. Electrostatic Filtering also available.

BACKED BY MOST COMPREHENSIVE WRITTEN PERFORMANCE GUARANTEE EVER KNOWN!

YORK CORP. SUBSIDIARY OF BORG-WARNER CORP. 1506 WEST GRANTLEY ROAD, YORK, PA.

Air Conditioning, Heating, Refrigeration and Ice-Making Equipment • Products for Home, Commercial and Industrial Installations
“What makes this house a better buy?”

“I’ve just put my finger on it!”

He’s checked every window and found Thermopane® insulating glass throughout the house. Says so, right on the glass. It means all of the windows, even those that open and close, are insulated. Thermopane keeps you snugger in winter . . . cooler in summer . . . more comfortable all year ‘round. You’ll save on heating and air-conditioning costs. And never have to bother with storm sash.

Next time you look at new houses, look at the windows, regardless of type. If the name Thermopane is inscribed in the corner of the glass, it’s a good sign that the builder is offering you an up-to-date home, built for your comfort and economy. Thermopane consists of two panes of glass with an insulating blanket of dry, clean air hermetically sealed between them. Look for the name, right on the glass.

Write for beautifully illustrated, full-color booklet describing Thermopane and what it can do for you. Only 10¢, Dept. 3640, Libbey-Owens-Ford Glass Co., 811 Madison Ave., Toledo 3, Ohio.

Thermopane® Made in U.S.A. only by
LIBBEY • OWENS • FORD • TOLEDO 3, OHIO
CURTAIN GOING UP?

Set the stage with

EASTERN DRAPERY HARDWARE

Your draperies "steal the show" when they're hung on the new EASTERNER Traverse Rod—Eastern's newest, proudest product in a complete line of drapery hardware. Whether your decorating scheme calls for wall, ceiling or window-widener installation . . . the EASTERNER is quick and easy to put up . . . performs smoothly . . . and its clean-sculptured lines add advanced styling to any window setting. Made stronger to last longer . . . the Easterner is priced to fit even the tightest budget! At leading stores everywhere see the EASTERNER and the entire line of Eastern Drapery Hardware—with a rod in every price range . . . for every window! *Draperies are fashioned of new Easternweave lifetime woven aluminum.

Eastern helps make a house a home . . .
ARE YOU A GOOD WIFE?

THE GOOD WIFE
insists on the best sleep for her better half, with

U.S. KOYLON FOAM
THE WORLD'S MOST MODERN MATTRESS

Compared with foam, the usual mattress feels like assorted hardware. And U.S. Koylon is more than just foam. It's the finest foam... made with thousands of small cores on both sides, not just a skimpy few on one side, like some mattresses. The result is a specially sensitive, solid foam that conforms like water to every curve, yet firmly supports the entire body. And remember! Only a mattress like Koylon with its thousands of cores can be so airy, insuring cleaner, cooler, fresher sleep, far better wear. Koylon is also odorless, non-allergenic; reversible, of course. So be fussy about the foam you buy. Much on the market is more fluff than foam. Specify U.S. Koylon, the Platinum Label in foam. Prices for twin-size U.S. Koylon mattress and matching boxspring, $129.50.

United States Rubber
Rockefeller Center, New York 20, New York
Enduring Magnificence

THERMADOR

Those who appreciate the finer things enjoy Thermador. Quality is reflected in Thermador's superior craftsmanship... lasting dependability... and distinctive beauty. For enduring satisfaction and soundest investment, ask your architect or builder about Thermador bilt-ins.

BILT-IN ELECTRIC COOKING TOP with 4 fast-heating elements and giant middle griddle. Available with 2 to 9 elements, in Canyon Copper, Desert Pink, Turquoise, Daffodil Yellow, Sugar White or Stainless Steel.

"MASTERPIECE" BILT-IN ELECTRIC OVEN with integral exhaust. Exclusive air-cooled door or Easy-view window. 2 speed, 3-slit rotisserie. Broil-Loast broil element control. Completely automatic oven. Also, horizontal double ovens, bi-level ovens, single ovens. Warming drawer illustrated.

TRULY BILT-IN "MASTERPIECE" REFRIGERATOR-FREEZER. 14.2 cu. ft. (10.2 cu. ft. automatic defrost refrigerator, separate 4.0 cu. ft. freezer below).

SEND FOR FULL-COLOR "KITCHEN PLANNING" BOOK, 50c
Or, write for free literature

Originator of the Bilt-In Range
THERMADOR Electrical Manufacturing Company
Division of Norris-Thermador Corporation • 5119 District Boulevard • Los Angeles 22, California • Dept. 363

APRIL, 1960
the Lark

REED & BARTON sterling

a new concept in form: the one pure, the

A 6-piece place-setting in either The Lark or The Star is $38.75, while a 32-piece service for 8 is only $214, F.T.I.
the Star

captures the changes in the air.
other adorned. Both for the young and aware.

For brochure on these two new patterns, or information on 18 other great Reed & Barton sterling designs, write Dept. HG46, Taunton, Massachusetts.
New ensemble with the look of organdy, the easy care of DACRON®

Gone is tiresome care! Gone is the limp look! 100% "Dacron" polyester fiber makes ruffles—even clouds of them—so practical to own. For instance: this new, beautifully styled ensemble by KUHN-BLUM washes easily... keeps crisply in shape... fluffs up quickly with little or no ironing... just loves sunny rooms and windows because "Dacron" resists damage from sunlight. And there's a matching vanity set available, too.
HAND WORKED STERLING SILVER DESIGNED BY JENS H. QUISTGAARD (J. H. Q.) OF DENMARK. FIVE-PIECE PLACE SETTING, $45.95 INCLUDING FEDERAL TAX.

This is what happens when Dansk works sterling.
We call it Tjørn.

DANSK
FOR BROCHURES OF OUR COLLECTIONS, WRITE DANSK DESIGNS, INC., DEPT. G4, GHC VT, NEW YORK, N.Y.
The charm of this bathroom is the subtle way **new beauty** and **new convenience** blend in these stunning American-Standard products. This combination can be clearly seen in the **off-center design** of the Contour bathtub that has extra roominess for luxurious bathing. This unique design forms two wide ledges—one is a handy shelf, the other a comfortable seat that brings the back of the tub close for easy-reach cleaning. Twin lavatories sparkle with beauty, add extra convenience to this lovely bathroom. The **new faucet** has a single lever that controls the flow of water from gentle to full force and mixes it to the right temperature at finger touch. Toilet is off the floor for **new ease of cleaning**. No stooping—just clean under and around this toilet with the swish of a mop! As always, you can depend on American-Standard for products that combine **fine quality** with **smart, new design** to make a bathroom easy to care for and practical as well as beautiful. Now is the time to plan your new or modernized bathroom around exciting American-Standard products.
Trend setting kitchens start with Revco Bilt-In Refrigeration

Why are Revco Bilt-Ins most often the refrigeration units selected for today's trend-setting kitchens? It's simply that people who appreciate classic design, and will not compromise good taste, demand Revco.

And this exclusive Revco quality holds true in remodeled kitchens as well as new, because Revco Bilt-Ins are styled to appeal to all decorating tastes and fit perfectly in any age home. It is interesting to note, too, that more and more Revco owners and architects and better builders find this styling lets them use Revco in more and more places. Revco Under Counter installations, for example, are becoming very popular wherever the family entertains—game rooms, family rooms, even sheltered patios.

Of course, the many finishes you may specify—stainless steel, copper-glo, 28 custom colors, even woods that match cabinetry or panelling—make Revco Bilt-Ins even more desirable.

And all Revco units—the incomparable Gourmet® Refrigerator, and the modular Custom Refrigerator or Freezer—permit integration of design that makes it possible to build units in wherever it suits you best and in any combination.

See your Revco dealer soon, he is well qualified to help you plan a trend-setting kitchen for your home.

New Revco RF-171—combination refrigerator-freezer—a true built-in at a lower price. 16½ cubic foot capacity.

Use Revco Bilt-Ins the Way That Suits You Best

Setting trends in refrigeration since 1938

Send for "How to Plan a Trend-Setting Kitchen"

An outstanding collection of forever new kitchens, with exciting ideas for colors and arrangements.

Reevo, Inc., Dearborn, Michigan Dept. HG-40
Enclosed please find 25c to cover mailing and handling of "How to Plan a Trend-Setting Kitchen."

I am interested in □ new or □ remodeled kitchen.

Name

Address

City Zone State
YOU WILL BE PROUD OF THE KITCHEN WE HELP YOU PLAN

Come in soon for your FREE Kitchen Planning Source File
NEWS IN NYLON!
Rich carpet patterns by Alexander Smith!
This is "Prelude Texture"—an exciting new look in patterned broadloom with lush pile woven of 100% Du Pont Carpet Nylon. Plush texture, clear colors, and imaginative styling provide new luxury for your home. Du Pont Carpet Nylon makes it so practical! See what beautiful effects Alexander Smith achieves with nylon—for you.

Du Pont makes fibers, not the carpet shown.

DESIGN TAKES THE FLOOR WITH

DU PONT CARPET NYLON

BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY
Mr. Smith’s lovely new floral brings timeless beauty to nylon

Trust Mr. Smith to be the first to combine the best of the present with the timeless tradition of the past! Here is the perfect example... beautiful new “Classic Flair.” It’s thick, luxurious, high-pile textured DuPont-nylon plush... easy to care for, crush resistant, incredibly durable. A homemaker’s dream come true, because now you can have all the wonder of nylon with the charm, the elegance, the grace of tradition’s much-loved floral design. And for new room-to-room beauty, see how the lovely “Flower Song” pattern combines with handsome “Prelude Texture” (shown on the opposite page). To make this new decorating concept of harmonizing pattern and texture work easily for you, “Flower Song” and “Prelude Texture” have been color coordinated in five soft, beautifully blended Living Colors.

Alexander Smith

WEAVERS OF FINE CARPETS AND RUGS SINCE 1845 • 295 FIFTH AVENUE, NEW YORK 16, NEW YORK
The loveliest dreams begin with Chatham Lightweight Blankets

Beauty to delight you as well as airy warmth to comfort you—on cool nights, for your air conditioned summer, as an extra throw the year around. And for the loveliest of springtimes see one of the delightful new hand screened prints—with companion solid colors in Chatham lightweight blankets to coordinate with any color scheme. Perfect gifts for brides, Mother’s Day, anniversaries. See all the new fashions in Chatham lightweight blankets now. About $4 to $8 at stores everywhere. Or write Chatham Blankets, 111 West 40th St., New York 18, N.Y.

Chatham Manufacturing Company, Elkin, North Carolina, makers of fine fashion fabrics for men and women and baby blankets, too.
A Culligan water softener can be connected in your home today. Homemaking immediately becomes more efficient. You'll be pleasantly amazed when you see and feel the difference whenever and wherever you use water in your home. You, too, will agree that soft water is a girl's best friend. Just call your nearby Culligan man.

Culligan...SEEN MOST OFTEN WHERE THERE'S WATER TO SOFTEN

Culligan, Inc. and its franchised dealers in the United States, Canada, South America and Europe • Home Office: Northbrook, Illinois • Franchises available.

APRIL, 1960
"Our remodeled home is now Coolest in Summer...Warmest in Winter... thanks to our new SUN VALLEY* All-Year® Air Conditioner

It costs so little, too... because it's GAS!"

Say Mr. and Mrs. HAROLD LEVINE of Tulsa, Okla.

SUMMER HEAT and winter's chilling temperatures no longer bother Mr. and Mrs. Levine. They remodeled their Tulsa home for comfort. They installed a new Sun Valley year-round Gas air conditioner.

You can enjoy the same comfort... and the same economy, too! With an Arkla-Servel Sun Valley Gas Air Conditioner you can heat or cool every room in your home. Yet monthly bills are low... lower in fact, than many pay to cool a few rooms with other-type units.

Choose the economical, dependable way to be comfortable. Whether you're remodeling your home, or building a new one, insist on an Arkla-Servel Sun Valley Gas Air Conditioner.

CAREFREE OPERATION—Your Sun Valley is a cinch to operate—just one easy-to-set thermostat. A single, compact unit cools in summer, heats in winter. And because it works with Gas, there’s no need to worry about fuel deliveries. Your Sun Valley provides low annual maintenance and long life, too, because there are no moving parts in the cooling cycle. In fact, you can compare the life of the unit to the life of your home.

Call your local Gas company, your Arkla-Servel dealer or write Arkla Air Conditioning Corp., 812 Main Street, Little Rock, Ark. There’s a Sun Valley available in models and sizes to fit any home. Five-year warranty.

AMERICAN GAS ASSOCIATION

ONLY GAS does so much more...for so much less!

*Trademarks. Product of Arkla Air Conditioning Corp., General Sales Office, Little Rock, Arkansas
THE LUSTROUS BEAUTY OF REDWOOD,
with its highly decorative grain patterns and
natural variations in color tones, conveys a feeling of
warmth and serenity... enhances the aesthetic appeal
of other materials such as brick and glass. The dimensional
stability of Certified Kiln Dried redwood makes it ideal
for "built-ins" as well as for paneling and siding.
Write to Dept. 16 for your copy of "REDWOOD HOMES —
Ideas from Architects’ Own Homes".

CALIFORNIA REDWOOD ASSOCIATION
576 SACRAMENTO STREET • SAN FRANCISCO
CERTIFIED KILN DRIED REDWOOD
It's wonderful to own Wallace!
that's the word for the lace-like charm of Rose Point, a
delicate pattern in fine Wallace Sterling. Shown: parfait
(iced beverage) spoon, $7.50. Six-piece setting in
heavy sterling silver, $37.50. At the finest jewelry
and department stores. All prices include Federal Tax.

WALLACE SILVERSMITHS
... at Wellingford, Conn. since 1835

Antiques

QUESTIONS &

This column is devoted to questions about old things.
No attempt at evaluating antiques will be made.
Letters will be answered on this page or by mail.
One question to a letter, please. Mail letters to
House & Garden, 420 Lexington Ave., New York 17, N. Y.

We enclose photographs of an iron chest 10" high, 13" wide and 7½"
deep; a view of the lock mechanism in the lid and also a picture of
the key. Can you tell us more about the chest, its age and its purpose?

Your iron chest or strongbox is of European provenance and
could date as early as the latter part of the 17th century.
Chests of this kind were used for safekeeping of money, jewels
and important documents. Similar ones with like decorative trim
have been made in France, Germany and Holland and probably
in other European countries as well.

To what period does this chair belong? It was given
to me in 1938 and is said to have been in the family
for over 100 years. The wood is dark, possibly wal­
nut or mahogany.

It is an American Victorian side chair of the
spool-turned type. It dates about 1850-60. The
wood is black walnut, for mahogany was out
of fashion at that time.

My copper teakettle hangs on an ornate black iron
stand, the hunger shaped like a large number five.
The burner and snuffer are copper. Is this an
antique?
R.D.McC.—Dunn, N. C.

This teakettle with wrought iron floor stand
dates between 1830 and 1895. At that time
many well appointed American homes were
provided with such special equipment as your
standing teakettle for serving afternoon tea.
ANSWERS  BY THOMAS H. ORMSBEE

I would appreciate any information on my sideboard of mahogany veneer with carved claw feet and Sandwich glass knobs. It has been in my family for many years.

F.L.E.—Rutland, Vt.

You have an American Empire period chest of drawers. Details indicate it was made between 1820-30, by a New England cabinetmaker, possibly Fisher, who is known to have worked in Rutland.

We purchased this blue porcelain clock recently with the mark J P on it. Can you tell something about its origin?

S.R.—Sioux City, Iowa

The porcelain case of your clock with the mark J P was made at the factory of Petit, Jacob & Mardouche at Fontainebleau, 37 miles from Paris. The company was established in 1830.

Will you explain what these marks, found on the bottom of this pitcher, mean? I bought it at an estate sale.

R.B.S.—Fort Lauderdale, Fla.

The mark Doulton, Lambeth, England, means that the pitcher was made by the Doulton Potteries at Lambeth, a section of London, sometime between 1891 and 1910, when they moved to the present factory on Niles Street, Burslem, Staffordshire. W. Hutton & Sons, Ltd. had several retail china stores in England.

The mark Meriden B. Company enclosed in a circle appears on the silver holder of these two silver lidded glass jars with tongs that hang on the handle. What is its purpose?

K.P.—Washington, D.C.

It is a silver-plated pickle caster, dating about 1870, made by the Meriden Britannia Co., Meriden, Conn., now part of International Silver Company.

I have been advised that these fireplace irons could be rare antiques. Any information will be appreciated.

J.A.F.—Atlantic City, N. J.

Andirons in the form of Hessian soldiers of the American Revolution were made by Pennsylvania iron foundries in the early 19th century and are now high priced antiques. Your irons, in flawless condition are probably 1935 copies.

It's wonderful to own Wallace! that's the word for the elegance of Grande Baroque, a magnificent pattern in fine Wallace Sterling silver. Shown above: luncheon fork, $10.50. Six-piece place-setting in heavy sterling, $45.00. At the finest jewelry and department stores. All prices include Federal Tax.

WALLACE SILVERSMITHS

... at Willingford, Conn. since 1835

APRIL 1960
We wrapped our Spring Air "HEALTH CENTER" INNERSPRING in buoyant foam and created this magnificent new mattress.

You've never known such sleeping luxury before because never before has there been a mattress such as this! A famous Spring Air "Health Center" innerspring completely wrapped in airy buoyant foam. Floats you off to sleep . . . yet cradles you firmly for the support you need. An entirely new kind of sleeping experience. Ask for the smooth top "Health Center" Ultima—now—at fine stores everywhere. Mattress or matching box spring, full or twin size. Suggested Retail Price $89.50

the newest, finest mattress ever developed is under this EXCLUSIVE REMOVABLE TICKING

NEW! SO EASY TO HANDLE 45% lighter than a standard innerspring. So much easier to air, to turn, so flexible for slipping on fitted sheets.

EXCLUSIVE "HEALTH CENTER" Extra firm support in the mid-section where 70% of your body weight lies for more restful sleeping.

NEW! CLEANABLE TICKING! High count French Toile Sateen Print developed specially for this mattress only. Easy to clean. All around zipper.

Wake up fresh as Spring Air!

SPRING AIR
©1960. Spring Air Company, 666 Lake Shore Drive, Chicago 11, Illinois
Put your home in the Light of Fashion with decorative PULLDOWNS by MOE LIGHT

...at special introductory prices!*  

Here's the perfect opportunity to give your home a smart new fashion flair with today's most versatile idea in decorative lighting . . . and realize an important saving, as well! Replace that old fixture with a striking new MOE Light PULL-DOWN. Choose from smartest decorator styles to flatter your living or family room . . . set a new mood in your bedroom . . . glamorize your dining or breakfast area. The most decorative fixtures in use today . . . for contemporary or traditional settings . . . PULL-DOWN by MOE Light bring you the best in creative lighting, versatility and beauty. Your electrical, building supply or hardware dealer is offering these unusual values, now. See them soon . . . and put your home in the light of fashion!

<table>
<thead>
<tr>
<th>Key to Illus.</th>
<th>MOE Light Pull-down Fixture</th>
<th>Model Number</th>
<th>Regular Price</th>
<th>Special Introductory Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Perforated Polished Brass; adjusts 19&quot; to 47&quot;, 20&quot; dia. shade</td>
<td>M-1529</td>
<td>$34.95</td>
<td>$29.95</td>
</tr>
<tr>
<td>B</td>
<td>Antique White and Polished Brass; adjusts 18&quot; to 46½&quot;, 20&quot; dia. shade</td>
<td>M-1535</td>
<td>$34.95</td>
<td>$29.95</td>
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<tr>
<td>C</td>
<td>Frosted White and Polished Brass; adjusts 16&quot; to 41½&quot;, 21&quot; dia. shade</td>
<td>M-1537</td>
<td>$39.95</td>
<td>$34.95</td>
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<tr>
<td>D</td>
<td>Antique White and Polished Brass; adjusts 25½&quot; to 53½&quot;, 16&quot; dia. shade</td>
<td>M-1553</td>
<td>$39.95</td>
<td>$34.95</td>
</tr>
</tbody>
</table>

*Special introductory prices offered until May 15th only. Prices shown are for fixtures only.

Add a Moe Light M-1599 Track to move fixture back and forth 6 feet.

Mail this Coupon . . . for new 64-page decorative lighting guide, "Visions of Beauty . . . Fashions in Light." Shows in full color how to decorate every room in your home with light.

THOMAS INDUSTRIES INC.
Lighting Fixture Division
207 East Broadway, Louisville 2, Ky., Dept. HG-4

☐ I enclose 25¢. Please send my copy of 64-page decorative lighting guide.
☐ Send name of my nearest MOE Light Dealer

THOMAS INDUSTRIES INC.

Leaders in Creative Lighting


APRIL, 1960
for home furnishings
Cotton is a natural

Everybody says it's such a pretty room—so hospitable; somes chair is covered with cotton; the floor is aglow curtains. No matter when the time or what the season refreshed, so successfully refreshed! Soap and water are Nature has done so much to make cotton do so much so reassuring—and it's cotton wherever you turn. The hand with cotton carpeting; the light at the window filters through cotton an inviting radiance surrounds it all, because cotton is so easily all the beauty treatment it ever needs to restore its original charm. for the home. National Cotton Council, Memphis—New York
Home-wide Telephone Convenience

...to fit your family's way of life

For your comfort, a phone in the den or living room.

Your telephone is probably busier than ever these days... making engagements, ordering goods and services, keeping you in touch with family and friends.

And since it is so useful, extension phones should be as handy as possible throughout your home, within easy reach wherever members of your family work or play or sleep.

Then calls can be made and taken with the least effort and the most pleasure.

Making telephone convenience home-wide is easy and inexpensive to do. And in their wide variety of colors, extension phones are lovely additions to your nicest rooms. To order, just call or visit your Bell Telephone business office.

BELL TELEPHONE SYSTEM
"Now we know total-electric living is not just
for rich people,"

"... even our automatic electric heating costs us less than old-fashioned heating did," says Bruce White.

At a lower cost than you might think, electricity heats, lights, cooks, washes, dries, keeps water hot—food cold, and helps entertain the Whites of Indianapolis in their Gold Medallion Home—equipped by General Electric.

Mention total-electric living and Bruce White lights up. He could talk about the subject for hours—and does. "It's not so much the economy," he stresses, "it's the comfort and convenience you get for your money. Look around... about the only things that aren't electric are ourselves and Tommy. He's the cat."

"You know, we used to live on a farm before this and I can still remember lugging oil into the house for heat. Total-electric living? That was for rich people. But here we are in our own electric home where living is easy on me—and on my wallet."

Call your local electric utility for information about the advantages and economies of Medallion Home living in your area...today!

A budding civil engineer, Fritz White, 17, cracks a tough algebra problem in the den, while Mom and Pop sip tea in the kitchen. With thermostats in every room, temperatures can be controlled to individual preference.

One look at the General Electric kitchen and that decided it," says Mildred White. "Honestly, cooking is fun again and so automatic. I'm an expert. Off the kitchen is our laundry room with General Electric washer and dryer. As my mother, who lives with us, puts it, 'without those machines we'd all be full time washer women.'"

Proper lighting helps Bruce White relax as he performs his after-dinner ritual of reading the papers. Typical of lighting throughout the house, the pole lamp is functional, yet fits right in with the Whites' decor.

Progress Is Our Most Important Product

GENERAL ELECTRIC
W&J Sloane presents comfortable, colorful, carefree living with...

U.S. NAUGAHYDE®  U.S. KOYILON® FOAM
the finest in vinyl upholstery  the finest in cushioning

The luxury of light, bright, beautiful colors is made completely practical and amazingly durable with the most modern of all upholstery fabrics—U.S. Naugahyde. For this serene and lovely room, W&J Sloane designer Guy Roop, A.I.D., chose both famous Naugahyde and new breathable U.S. Naugaweave tailored over the perfect comfort of U.S. Koylon Foam cushioning. Imagine—a white sofa that resists spots and stains, needs only a damp cloth to keep it fresh and new-looking! Even the walls are covered with wonderful Naugahyde! Both Naugahyde and Naugaweave are available in a wide range of patterns, colors and textures. And here's exciting carpet news! On the outdoor terrace is U.S. Royal, new weather-resistant carpet-textured vinyl, shown in photo at top right. See this carpeting and furniture at W&J Sloane, Barker Bros. or Sunniland stores throughout the country. For color photo of room shown and complete price list just send a postcard with return address to: W&J Sloane, 575 Fifth Avenue, Dept. B, New York 17, N. Y.

United States Rubber
Rockefeller Center, New York 20, N. Y.
In Canada: Dominion Rubber Company, Ltd.
Send for swatches of Cabin Crafts nylon textures to feather your nest

Name__________________________________________State________________________
City___________________________________________

Even these fledgling decorators appreciate how much originality Cabin Crafts carpets of Du Pont nylon add to a home. Each one is a *rara avis* of texture and design. Just look at the intriguing variations. You need Cabin Crafts expert way with today's fibers to create such individual effects in loop pile and cut pile and plushy velvet. When you get the four swatches we send, you can feel the superb, deep textures and picture how luxurious they will look in your home. Another great thing about Cabin Crafts nyons. They all have our exclusive Formula N stay-clean finish. Prices from $9.95 to $17.95 a sq. yd. Mail coupon and 25¢ to Cabin Crafts, Inc., Dept. HG-15, Dalton, Georgia.

A better idea in rugs and carpets...Needletuft by  

CABIN CRAFTS
American-Marietta Company presents

Color in the home has become a delightfully personal thing. Today it can be “individually yours” to provide a stimulating background for you and your family, your tastes; your temperament, your very way of living. It can provide showcase treatment for your furnishings. It can even influence your moods.

With proper emphasis placed on these functions, American-Marietta has selected a whole new galaxy of decorating colors for your enjoyment. They’re distinctively beautiful. They’re fashion right!

Ask your A-M dealer to show them to you or write directly to the address shown below.

PAINTS
American-Marietta Company
101 East Ontario Street, Chicago 11, Illinois
In Canada - 607 Wellington Street, Ottawa 4, Ontario
American-Marietta is dedicated to making your decorating jobs easier, more pleasurable and better!

For a perfect start on your next painting venture ask your dealer to lend you A-M's new book entitled "Decorating Colors and Suggested Color Combinations." It was prepared by one of the foremost color experts and has been acclaimed for its fashion approach, its simplicity and effectiveness.

WHAT YOU SHOULD KNOW ABOUT NAILS

In the construction of an average sized, $15,000 frame house about 67,000 nails of thirty-five different sizes and types are required to hold together adequately all the various materials. The fact that there are so many types of nails available today is a good example of the extent to which once simple, uniform building materials have been developed into new and specialized products. Today each kind of nail has a specific job to do—whether it is to attach wood to concrete, asbestos shingles to plywood, or simply one board to another for general framing.

How to buy nails

Architects and building contractors are well aware of new developments in nail design and they usually specify the type needed to do the proper job. But for smaller projects that you may undertake to do yourself, some knowledge will be helpful. You don't necessarily have to know all the various types of nails and their uses but you should know what information to give your building materials dealer so that he can supply exactly the kind of nails you need. To walk in and ask simply for nails, or to pick them up at random from a case could turn out to be a great mistake. Instead, tell the dealer what sort of project you are contemplating—whether it is outside the house or inside; whether you are using metals as well as wood; how thick your materials are; and continued on page 58

Ask him too about Rev Satin Latex, the interior paint with the "Controlled Spreading" feature. It's probably the most popular paint in A-M's full paint line, but its quality and easy performance are found in every A-M product.

If your decorating problem is "special," tell your A-M dealer about it. He's especially equipped to help you with it... because we're especially equipped to help him help you.

A Mark of Quality

April, 1960
The comforts of Zoned Living

Comfortably warm in living area
Pleasantly cool in sleeping area

CUSTOM COMFORT FOR YOUR QUALITY HOME

With Warm Air Heating

Two furnaces, with a separate thermostat for each, let you regulate the heat for different sections of your home. With a flick of your finger, you can then set either thermostat to suit your mood or activity. Each furnace heats a separate zone, and problem areas disappear.

One furnace, with two or more thermostats, may be the best way for you to be assured of whole-house comfort. Simply divide your home into comfort zones, each with its own thermostat controlling the heat supply to each zone through dampers. This system assures a continuous flow of warm air throughout your home with each system getting exactly the heat it requires. Ask your heating and air conditioning dealer to explain the advantages of Zone Control for your warm air heating.

With Hot Water Heating

Two or more hot water valves, each controlled by its own thermostat, divide your home into comfort zones. From a single boiler, this zone system can match heating to the needs of a particular section at a time, eliminating discomfort areas. No longer will you have to overheat one part of your home to keep another area warm. You can have the temperature you want, where you want it.

Two or more circulators, with a separate thermostat to control each zone, will also assure the precise temperature you want in every room in the house. In either case, see your heating dealer. Not all homes need zoning. After studying your home, your dealer will recommend a system that perfectly suits your needs.

If your building plans include any of these desirable features, you may need 2 furnaces or 2 zones for complete heating comfort.

Picture windows often mean greater heat gain or loss.
Spread-out floor plans cause temperature variations.
Split-level homes are a puzzle for one thermostat to handle.
Rooms over garages need extra heating or cooling.
Living and sleeping areas require different temperatures.
Recreation rooms require tailored temperatures.

Honeywell
First in Control
SINCE 1885

Honeywell
H
PIONEERING THE FUTURE

HOUSE & GARDEN
Entertaining confidently is easier for a Gorham girl

When you entertain, your sterling silver should be the gem of your table. We design Gorham sterling for the girl who entertains successfully because she entertains with confidence. She enjoys her own parties, knowing that guests admire her taste as well as her knack for making them welcome. Firelight, the Gorham sterling we show above, is one of the striking designs we have created just for her. It's so graceful, and it is actually heavier than most other sterling. Everlasting in its beauty, too!

Ask your silverware store to show you the Gorham patterns, traditional and contemporary. Or write for the new booklet showing all the lovely designs... Gorham, Providence 7, R. I.

GORHAM STERLING
AMERICA'S LEADING SILVERSILVERSINCE 1831
Memo: Try these...

The famous

Callaway Mills offers

*Callaway Towels yarn-dyed colors, ABSORBenized® finish, pucker-proof borders. Label of Luxury®

*Callaway Carpets made in Nylon, wool, Acrilan, rayon, cotton and blends.

*Callaway Scatter Rugs famous for over 30 years

Automobiles, tires, apparel and host of other industrial and home products contain textiles by Callaway.

Numerous business and industrial organizations benefit from “KEX” Industrial Service and “KEX” Dust Control, the complete system for faster, better and more efficient cleaning.

*A myriad of colors and styles to choose from!

Callaway Mills, Inc., Sales Solicitors, 295 Fifth Ave., N.Y. 16, N.Y.
Installed in your home...absolutely FREE
this Whitehall Custom Kitchen...
with Chambers Built-Ins...worth $3000!

Whitehall Kitchens meet the tastes of
every home-loving American family...
because Whitehall Kitchens are truly "customized". This is why Whitehall is interested in
having you enter this fascinating contest...so Whitehall will know what all America wants...what you want in
"the kitchen of your dreams".

Here's all you do to try for a prize in
Whitehall's fabulous "Dream Kitchen Contest". Complete in 25 words or less, the
statement, "What I want most in my new
kitchen is ..." Go to your nearest
Whitehall dealer and get an official
entry blank, or use the coupon below.

Whitehall KITCHENS
Ryder Place, East Rockaway, N. Y.

I want to enter your "Dream Kitchen" Contest. Please send me complete information.

My Name is ____________________________

Address ______________________________

City _______________ Zone ______ State ______

26 THRILLING PRIZES

ONE FIRST PRIZE consisting of a Whitehall Custom Kitchen, installed complete with Chambers Built-In Appliances, with a total value of $3000.

TWENTY-FIVE SECOND PRIZES of an amazingly convenient chrome, Washington pop-up garbage can, each worth $9.95.

RULES: Entries must be postmarked by midnight of August 31, 1960. Anyone living in the U. S. may enter except employees of Whitehall Kitchens and its advertising agency and their families. Entries will be judged on the basis of originality and aptness of thought. Judges' decisions final. All entries become property of Whitehall Kitchens. Contest subject to Federal, State and Local regulations.

Whitehall MEANS
Custom Quality
Whitehall kitchens are made like quality furniture in 10 warm, natural wood finishes. All cabinet joints are mortised, tenoned and glued...all doors are guaranteed to be non-warping...drawers move smoothly and quietly on nylon ball-bearings...magnetic door catches are standard on every unit...and Whitehall craftsmen have a "feel" for the beauty of natural wood.

Custom Convenience
Whitehall offers hundreds of special purpose units to make your kitchen a "dream of efficiency".

Whitehall KITCHENS
East Rockaway, N. Y.

America's most envied kitchens
Whitehall KITCHENS
East Rockaway, N. Y.

26 THRILLING PRIZES

ONE FIRST PRIZE consisting of a Whitehall Custom Kitchen, installed complete with Chambers Built-In Appliances, with a total value of $3000.

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"America's most envied kitchens"
Whitehall KITCHENS
East Rockaway, N. Y.

Installed in your home...absolutely FREE
this Whitehall Custom Kitchen...
with Chambers Built-Ins...worth $3000!

You can have your present kitchen remodeled into a "dream kitchen", including all the latest built-in appliances by Chambers...or you can have a Whitehall Custom Kitchen worth $3000 installed in the new home you are building or planning to build...simply by entering this easy-to-win contest!

Whitehall Custom Kitchens are "America's Most Envied Kitchens". Everything is built-in...refrigerator, oven, range, dishwasher, exhaust hood, every kind of magically convenient storage space. And the built-in appliance units are by Chambers, "The most honored name in America's finest kitchens".

Whitehall KITCHENS
Ryder Place, East Rockaway, N. Y.

I want to enter your "Dream Kitchen" Contest. Please send me complete information.

My Name is ____________________________

Address ______________________________

City _______________ Zone ______ State ______

39
NEW ACCESSORIES FOR YOUR AUTOMOBILE
help to keep you safe and comfortable on the road

You need more than a radio, a heater and a windshield wiper
to equip your car efficiently. Just as you need more than
wall-to-wall carpeting and a TV set to furnish your house.
Although mechanical safety is built into automobiles today,
driving safety often depends on the extras that help to maintain
your morale or protect you in emergencies. Boredom,
fatigue and hunger may start as mere personal discomforts,
but as they mount in intensity they can grow into real
obstacles to safe driving. So there is good reason to pamper
your idiosyncrasies with creature comforts that will minimize
inner distractions and keep you alert. Here is a selection of
some of the newest and handiest automobile accessories that
are available today in department stores, sporting goods stores
or auto supply stores to promote your well-being on the road.

A tiny refrigerator fits into the dashboard and keeps sandwiches fresh,
drinks cool for travel pick-me-ups. Insulated, aluminum unit uses fuel-
line vapor to produce near-freezing temperature. By Pol-Air, Inc.

A magnetic flashlight clings to a fender to aid night-time tire changing.
Also helpful for reading maps and road signs after dark. Recharges
in the cigarette lighter. By Gulion Industries.

A roadside safety kit is a wise precaution in case of a breakdown at night. Kit
contains luminous warning to hang on trunk, two flares, a fire extinguisher and
first aid kit. From Hammacher Schlemmer.
Interplay makes a magic mood in your home

There is a new look—a special Lightolier look—in Interplay by Lightolier. It combines that glorious "grand chandelier" feeling with new uses of new materials. It is contemporary with a fashionable flair. It comes in a wide choice of fixtures in three, five, six and ten light versions, all made of glass, shimmering brass, warm walnut or fanciful filigree. There is also a choice of shades—in unique colors and textures—to coordinate with your decorating scheme. A patented lock makes them "sit" evenly always. And they filter out the glare from any angle. See the complete Lightolier collection at the authorized distributors listed at left. Ask them for free lighting advisory service.

Write department HG-10 for a complete new lighting brochure

Lightolier
Chicago: 1267 Merchandise Mart • Dallas: 1718 HiLine Dr. • Los Angeles: 2515 South B'way

APRIL, 1960
NEW AUTO ACCESSORIES
continued from page 40

A dashboard record player provides music while you drive and keeps you in good humor despite the traffic. The machine plays 45 rpm records, then unloads them into a storage compartment beneath. Plays smoothly even on the rough roads. By RCA.

A small electric fan attached to a seat pad creates a cool breeze under the driver's seat—most welcome in un-air-conditioned cars. Fan plugs into cigarette lighter. Hammacher Schlemmer.

A dashboard record player provides music while you drive and keeps you in good humor despite the traffic. The machine plays 45 rpm records, then unloads them into a storage compartment beneath. Plays smoothly even on the rough roads. By RCA.

A small electric fan attached to a seat pad creates a cool breeze under the driver's seat—most welcome in un-air-conditioned cars. Fan plugs into cigarette lighter. Hammacher Schlemmer.

A litter basket to keep your car tidy (and the roadsides free of trash) fastens neatly to side of the car under the dashboard. Rubbermaid.

A fire extinguisher is a sensible accessory to stow away in the trunk of a car in case of electrical fire emergencies. By Walter Kidde & Company.

A polyethylene gas container holds an extra supply of gas in the trunk in case you run dry in a remote spot. (Some states prohibit gas containers; check laws.) Pirelli, Milan, Italy.

Three useful extras: An adjustable seat to assure relaxed driving. Market-Forge; a handy visor case for cigarettes and maps, Bloomingdale's; a disc that glows in the dark if you have to leave your car by the road. Miroflex.

A host of brushes simplifies tasks of cleaning a car. The collection, left, includes a whisk broom, a lint brush, a bristle brush for white wall tires, snow tool for cleaning icy windows. Empire Brushes.

For additional shopping information, write to H&G's Reader Service.

ZENITH EXTENDED HIGH FIDELITY STEREO
— the most exciting, the most faithful reproduction of sound you have ever heard

Now to the finest quality high fidelity in the world, Zenith adds the widest, most realistic sound separation ever in a single cabinet. This is Zenith Extended High Fidelity Stereo—all the depth of true high fidelity, all the width of stereo. And Zenith also brings you such exclusive developments as the Automatic Balance Control that lets you bring the separate speaker systems into proper balance—automatically keeps them in balance no matter how often you change the volume. Here indeed is the world's finest high fidelity—another example of the kind of quality you get only from Zenith.

Above is the Zenith Schubert, an Extended High Fidelity Stereo instrument with FM/AM radio, from the Zenith Decorator Group. Available in cherry veneers and cherry solids, mahogany veneers and mahogany solids, Model SFD2080, $800.00.*
new traditions of the classics by Drexe
Dramatize your home with the elegance of TRIUNE.

In the 18th and 19th centuries, furniture design reached great heights. Masters such as the Adam Brothers, Sheraton and Hepplewhite were inspired by the glories of ancient Greece and Rome.

Drexel has captured for you the spirit of these great masters in a collection of 18th and 19th century design motifs, adding 20th century function. Natural sable mahogany returns, enhanced by rich antiquing and accents of walnut burl. Meticulously scaled, beautifully proportioned, Triune is perfect for every home, large or small. Not merely a collection of reproductions, its designs are timeless. The many versatile pieces could be used to create a classical room or a country house. The Empire-inspired bed brings elegance and warmth to any bedroom.
of the past, freshly interpreted...

by Drexel

the beginning of an apartment now, your dream home in the future.
Of course, Triune bears the "by Drexel" seal, found in the top drawer. This brandmark is your assurance of fine quality and design ... AT PRICES YOU CAN AFFORD. Fill your home with the magnificence of Triune by Drexel and it will have a new depth and meaning for years to come. AT THE FINE STORES ON THE NEXT PAGE.

Send 5¢ for your "Triune" booklet, or 35¢ for the "Portfolio of Fine Furniture", 2 Huffman Road, Drexel, North Carolina.
The Triune Collection won the Grand Prize and “Obedek of Achievement” (shown) presented by the Mahogany Association for excellence in design and craftsmanship in mahogany furniture.

See TRIUNE by Drexel at the fine department and furniture stores listed below:

ALABAMA
Andolpho Black Furniture Co.
Auburn
Biloxi Furniture Co.
Birmingham
Browns Furniture Co.
Furniture Mart
Tuscaloosa

ALASKA
Furniture Mart
Fairbanks

ARKANSAS
Henderson Furniture Co.
Little Rock

ARIZONA
Henderson Furniture Co.
Phoenix

CALIFORNIA
Burlington, Wallock & Co.
Burlington
Burlington

COLORADO
Burlington
Denver

CONNECTICUT
Arriens Furniture Co.
Ansonia

DELAWARE
Anslow Furniture Co.
Newark

DISTRICT OF COLUMBIA
Washington

DISTRICT OF COLUMBIA
Washington

FLORIDA
Buck Brannum Furniture Co.
Fort Worth, Tex.

FRANKLIN, MA
Buck Brannum Furniture Co.

MARYLAND
Baltimore

MICHIGAN
Baltimore

MISSOURI
Baltimore

NEW JERSEY
Baltimore

NEW MEXICO
Albuquerque

NEW YORK
Albany

NORTH CAROLINA
Asheville

OHIO
Norwalk

OKLAHOMA
Norman

OREGON
Bend

Pennsylvania
Altoona

RHODE ISLAND
Providence

SOUTH CAROLINA
Charleston

TENNESSEE
Chattanooga

Utah

Vermont

WASHINGTON
Seattle

WISCONSIN
Milwaukee

WYOMING
Laramie

Young rooms for young budgets

For every hostess—first buys for successful entertaining

The big news in carpets and rugs

HaG’s Quick-Mix

Cook Book

Coming next month in

HOUSE & GARDEN:

Furniture finds under $50

All these and other features in the May issue

On your newsstand

April 19th

HOUSE & GARDEN
Behind The Golden Circle...
the name

Royal Doulton

THE GOLDEN CIRCLE COLLECTION

Royal Doulton—the most meaningful name in bone china—presents a magnificent Golden Circle Collection for this season's bride. Each pattern combines the elegance and richness, the perfect whiteness and transluency for which Royal Doulton is known. And encircling Royal Doulton's traditional pure whiteness is the beauty of pure gold! The bridal consultant in the store where you shop will show you the collection—and help you, if you like, make your own golden choice. Each price shown above is for a five-piece place setting. Pattern on preceding page: French Provincial, $23.95.
They'll think you're a genius...when they see the decorative

Erecta-Shelf®
units YOU designed!

Imagine custom designing the arrangement that fits your exact needs and space...and with just 4 panel sizes! In minutes you can create an attractive, functional and sturdy unit to glamorize every room in your home. Panels are available in satin black or gleaming brass finished wrought iron.

Change your design...or add to it whenever you wish, to make it taller, longer or deeper.

There's nothing like Erecta-Shelf (it's patented)- see it at your favorite store and you'll see why!

You can custom-design countless units with just these 4 panel sizes!

Erecta-Shelf®
Division of Metropolitan Wire Goods, Corp.
230 FIFTH AVENUE • NEW YORK 1, N.Y.
SLEEPRODUCTS BY BURTON-DIXIE

designed for beauty... built for comfort!

You can depend upon Burton-Dixie for well-built, comfortable sleepproducts in every price range. Whatever you need... whatever price fits your budget... whatever style you prefer... you'll find a Burton-Dixie sleepproduct that's perfect for you.

The Burton-Dixie label stands for originality in the creation of comfortable innovations in sleepproducts. Choose from dozens of beautiful designs—and leave the rest to Burton-Dixie!

SLUMBERON... the only mattress with these three exclusive Burton-Dixie features: "Ortho-Flex" coil unit, "Si-Latex" insulation and "French-sewed roll" edge.

LADY ELITE... dependable Burton-Dixie quality mattresses at a budget price. Comfortable exclusive "Ortho-Flex" coil unit.

Also by Burton-Dixie: Lady Elegance, Lady Elegance Plus, and the top-quality Slumberon Supreme Mattresses.

---

Locks into flat position for an afternoon nap.


Locks into patio position for lounging, indoors or out.

Burton-Dixie's Twin-Sleeper Bar-Lounge easily opens to 60" double or two single beds in a few seconds!

---

LEAVE THE REST TO BURTON-DIXIE

BURTON-DIXIE CORP.

Chicago Plant and Executive Offices • 2024 South Racine

Manufacturing plants in:

Bloomington, Dallas, Denver, Detroit, Kansas City, Lansing, Memphis

---
good taste in contemporary furniture supposes simplicity of line and detail, excellent materials, enduring craftsmanship, and warm, natural finishes — qualities possessed in abundance by R/N furniture designed by Lawrence Peabody. Send 10c for illustrated booklet, “Good Design All Through The House”, and the name of a store nearest you.
SUTURES FOR
A WOUNDED TREE

Another example of Scientific Research at work

A storm sweeps down leaving in its wake a split tree, years of stately growth and beauty shattered in a few minutes. There was a time when the axe was the only solution to this problem but today it is not always fatal. Where the break is not too severe, scientific tree care, like modern surgery, has developed a technique of "suturing" that not only closes the wound but permits the tree to regain its normal strength and vigor. "Sutures" in order to be effective must be promptly and skillfully applied so that the break is sealed against infection and the trunk and large branches sway as a whole, not independently. This exacting process calls for trained technicians and precision instruments which is the reason why "Bartlett" has spent years in the research and development of techniques and materials for this important branch of shade tree care.

Storm damage claims thousands of trees each year many of which could have been saved by proper bracing and cabling. Don't wait until the injury occurs, call a Bartlett Tree Expert today for sound advice on how to protect your valuable shade trees the Scientific Way. His local experience backed by the knowledge and technical advice of the Bartlett Tree Research Laboratories is available for this and all other types of tree problems.

BARTLETT TREE EXPERTS

Home Office, Research Laboratories and Experimental Grounds, Bartlett School of Tree Surgery, Stamford, Conn.

Local Offices from Maine to Florida and West to Illinois and Alabama.

See your Local Telephone Directory for Local Address.

52
Bruce oak floor in smart design
is easily installed over concrete or wood

Bruce Blocks, of either solid or laminated Oak (especially designed for use over concrete), are easily installed over any smooth subfloor or old floor. The patented Bruce finishing process does away with messy sanding and finishing in the home. Easy installation, immediate use, and long wear are all yours at reasonable cost with Bruce PREfinished Floors. Mail coupon for booklet.

* A Bruce PREfinished Block Floor is the answer...for any new home with concrete slab or wood subfloor...for any old home that needs an inexpensive, bright new floor...for any homemaker seeking longer floor wear with easier care...for everyone who wants the lasting loveliness of genuine Oak floors plus smart modern design at a surprisingly low price.

BRUCE Block Floors
ASK THE MAN WHO MOWS!

He cuts more grass in one month than you are likely to cut in five years

...AND HE Chooses JACOBSen

Men in the business of lawn care look for the things “underneath the paint” that add up to better performance and longer life: certain refinements in blade and reel design that make for a crisper, smoother cut; long life industrial type engines made for Jacobsen mowers; low cost maintenance and fast service. These are the extra qualities you will find in such Jacobsen mowers as the Manor, the home owner’s version of the famous Jacobsen Greens Mower. The Manor is a trimmer type mower which permits close-in mowing around trees, shrubs, gardens and walls. For smoothness of cut and easy handling it is unsurpassed.

Be the man who mows with Jacobsen. Visit your Jacobsen dealer. He is probably the best mower man in your community. He’ll tell you if the Manor or one of the other 32 Jacobsen Reel or Rotary mowers is best for you—and demonstrate it. Look for his address in the “yellow pages” of the ‘phone book under “Lawn Mowers,” or write us.

Prices from $89.95.

The Manor
21-inch trimmer type reel mower, front throw grass discharge. Grass catcher optional at extra cost.

Feature for feature — the finest!
What's in store for your home:
new products, ideas and trends

- Problem wall spaces have prompted better storage solutions in the way of cases that stack, turn corners or hang on the wall. Tall narrow cabinets, some with arched tops, stand on their own or double up side by side. Colorful painted finishes and paper-lined interiors add decorative interest. You will find such furniture in every style—from Directoire to contemporary.

A convincing built-in look in a freestanding range is offered by the new Lectro-Host. It comes in three stacked sections that can either be set as a unit into a 40" wide niche or placed against a wall and moved when you move. Components include a cabinet base with chrome wire rack shelves; an electric range with four surface units and two ovens (one with a rotisserie) with timer and controls safely at eye level; a hood with an exhaust fan. Thermador, Los Angeles 22, Calif.

- New counter proposal for the home owner planning to refurbish a kitchen or bath: fresh designs and colors in Formica. Frost design and Tidestone are two of the new patterns in subtle colors. The Formica Corp., Cincinnati, Ohio.

Septic Tank- Cesspool Owners

**Rid-X can save you hundreds of dollars!**

- Yes, Rid-X® can save you hundreds of dollars on digging, pumping, landscaping.

- Rid-X works to keep your septic tank or cesspool in top, trouble-free condition.

**TESTED AND PROVED!** Impartial scientific laboratory tests show that Rid-X helps break down and liquify waste materials so they can't clog your unit and overflow.

**EASY TO USE**—just pour in toilet bowl and flush. That's all. Rid-X can't harm porcelain, metal, pipes, fittings.

**GET RID-X at your favorite store. It's guaranteed!**

Don't wait for trouble to start in your septic tank or cesspool!

Rid-X can save you hundreds of dollars on digging, pumping, landscaping.

**Rid-X works to keep your septic tank or cesspool in top, trouble-free condition.**

**TESTED AND PROVED!** Impartial scientific laboratory tests show that Rid-X helps break down and liquify waste materials so they can't clog your unit and overflow.

**EASY TO USE**—just pour in toilet bowl and flush. That's all. Rid-X can't harm porcelain, metal, pipes, fittings.

**GET RID-X at your favorite store. It's guaranteed!**

Don't wait for trouble to start in your septic tank or cesspool!

**Free Illustrated Booklet**—complete data on the operation of septic tanks and cesspools. Write Dept. KEG, 1460 Broadway, New York 18, N.Y.


Cleaning, peeling and slicing potatoes may soon become obsolete if enough cooks take to Minute Sliced Potatoes. They are packaged dry to keep indefinitely, can be turned into home-fries or scalloped potatoes in fifteen minutes. A package serves ten. General Foods, White Plains, N. Y.

- To cope with the heaviest batters and puddings, the latest KitchenAid portable mixer comes equipped with a built-in power booster. Gears shift automatically to maintain constant mixing speed. Hobart Mfg. Co., Troy, Ohio.

- New stereo components designed to be built into a wall may be coupled with a house-wide intercomm. Units are coordinated in size and shape, and framed with walnut so that any group may be arranged in an attractive composition. Nu-Tone, Inc., Madison and Red Bank Roads, Cincinnati 27, Ohio.

Continued on page 63
For "go-togetherness" in most any style of decorating, there's nothing to compare with Schumacher's drapery, slipcover and upholstery fabrics fashioned after nature's botanical masterpieces. Our "Montpelier" pattern of roses, starring in Woodard's new furniture collection, is just one of ever so many that will enhance the beauty of your home.

Available through decorators and decorating departments of fine stores.

F. SCHUMACHER & CO. • 60 WEST 40th STREET • NEW YORK 18 • Fabrics • Carpets • Wallpapers • Waverly Fabrics

For exquisitely colorful floral patterned fabrics... Schumacher's
Out of the romantic past for today's relaxed living—this new Florentine group of ours.

The cheerful rose print designed for us by Schumacher.

Woodard furniture is guaranteed against rust for ten years.
SAVE THE BIG IDEAS!

If you’re like most House & Garden readers, you’re constantly gleaning ideas about building, remodeling, decorating, gardening. The ideas you clip out are valuable to you — if you can keep them in a handy place. So we’ve devised the handiest place imaginable: a House & Garden IDEA FILE BINDER, to hold the pages you consider worth saving and using. Chipped pages are easy to insert as the pinch-back springs open, and when your collection grows you can index-tab your ideas under their proper subjects. You’ll never lose one this way. Order your binder with its sturdy, attractive wood-grained cover by sending $1.50 with the coupon below.

TO: HOUSE & GARDEN'S READER SERVICE, DEPT. IF-B, GREENWICH, CONNECTICUT

Please send me one Idea File Binder. I enclose $1.50 check (or money order.)

Name
Address
City__Zone__State__

NAILS
continued from page 35

any other pertinent facts. New methods of packaging nails have certainly made it simpler to buy the right type and amount you need. Instead of scooping a pound of nails from a barrel and putting it in a paper bag, your dealer will show you new, small, easy-to-store boxes that are clearly marked according to purpose, price, and composition. But if you are still in doubt about which type of nail to buy, ask your dealer.

The standard sizes

The label on the box gives the length of the nail in inches as well as in the old measuring term, penny, which is abbreviated as “d.” For quick reference a 2d or 2-penny nail is 1″ long; 3d, 11/4″; 4d, 11/2″; 5d, 13/4″. The length of the nail increases a quarter of an inch for each number up through the 10-penny size. At this point the numbers jump to a 12d (31/4″), 16d (37/8″), 20d (4″), 30d (47/8″), 40d (5″), 50d (51/2″) and finally, 60d (6″).

New developments

Two new kinds of nails you will find today are the threaded nail and the colored nail. The threaded nail has scientifically engineered threads which “lock” with the wood fibers when the nail is hammered into place, giving great rigidity of construction and balanced strength of fastening from foundation to roof. In many cases this greater strength allows substantial savings in time, labor and nail costs because fewer, slimmer, shorter nails can be used.

Threaded nails also cut down on household repairs necessitated by nails that have loosened or popped up.

Colored nails have been designed to match all standard shades of tinted interior wallboard. The heavy, baked enamel finish is long wearing and the nail becomes almost invisible when in place, which eliminates the need for countersinking and filling in with plastic wood or spackle. The new colored nails are also threaded to reduce loosening.

MANUSCRIPTS

House & Garden assumes no responsibility for any unsolicited contributions except, of course, to accord them courteous attention and ordinary care. All manuscripts must be accompanied by postage to be returned.
Let sleeping dogs lie!

(YOU CAN. THE FABRIC IS MADE WITH ACRILAN*)

FURNITURE CITY thinks everybody in the family—even Fido—should share the pleasure of your luxury living room. That's why they feature upholstery fabrics in a blend of 56% Acrilan acrylic fiber, 44% cotton on so many of their upholstered pieces. Acrilan makes possible all the splendid weaves, all the lovely textures, all the brilliant or muted colors you want—but with these wonderful advantages: It resists staining and soiling. Ordinary household stains can be readily removed. It keeps its shape under the roughest wear—loves parties, pets, toddlers and teenagers. It excellently resists fading, shrinking and stretching. And moths shun it. Before you buy, look for this triangular label in swatch books. It always means quality-controlled fabrics.

The Chemstrand Corporation, 350 Fifth Ave., N.Y. 1 • Plants: ACRILAN® ACRYLIC FIBER—Dothan, Ala. • CHEMSTRAND® NYLON—Pensacola, Fla.
LOOK IT UP!
Finding the right answer can be good fun when you have a handy reference library

A child’s curiosity is a wonderful thing which deserves to be fed and encouraged, not merely brushed aside with an impatient “I’m busy.”

H&G believes that one of the most constructive ways of coping with persistent questions is to collect a home reference library—a shelf of information-packed books which your whole family can learn to count on for dependable answers. Children can be taught the importance of using reference books as soon as they can read by urging them to take pride in looking things up for themselves. Get them to hunt down their own answers to questions instead of browning you, to search for precise information to settle family arguments, and to find out the meanings of unfamiliar words in books or conversation.

As a salute to National Library Week (April 3-9), we requested the Silas Bronson Library, Waterbury, Conn., to compile a list of worthy candidates for a family reference center. The volumes that the library has recommended are not intended to be an all-inclusive roster of available reference works in each subject category but, rather, a selection of books noted for their handy size, moderate price or exceptional content. (Bear in mind that the handier the size of a reference volume, the greater use it will probably receive.) For further information about specific reference books, consult your local public library.

One of the neatest things about building up a reference collection is that you can begin with a modest nucleus, and add to it as your budget or whim allows. We suggest you start with six staples—a dictionary, a thesaurus, an encyclopedia, a Bible, a volume of Shakespeare—and later fill out the shelf with reference works on special subjects of interest to particular members of your family. To ensure frequent use, house your books all together on a shelf conveniently near the center of family activities.

The basic six

A DICTIONARY

You should also add some foreign language dictionaries. A good initial investment would be...

Continued on page 114
In this Texas attorney's home, Heritage furniture is a living tradition.

A busy law practice leaves little time for planned-ahead parties. Spur-of-the-moment dinners—casserole, salad and a good French wine—are a tradition here. Heritage furniture is, too. Their first apartment had one piece. This spacious home is all Heritage. That versatile "rafraichissoir" just arrived. It can be a wine cooler, an end table or a planter. Inspired by an 18th century design found in France, it shows Heritage's genius for interpreting the best of the past for today's way of life and for tomorrow. When you know fine furniture, you can tell Heritage at a glance. And you will always find the Heritage hallmark branded on the wood or woven into the upholstery.

Mail fifty cents for complete booklet—living, dining, bedroom collections—to Heritage Furniture, Inc., Dept. HG-4, High Point, North Carolina.
KENTILE VINYL FLOORS

ON TODAY'S SMARTEST FLOORS

So easy to care for! This charming colonial floor in long-wearing tile!

Doesn't your bedroom deserve it? This bedroom floor has been entirely created in Kentile® Vinyl Asbestos Tile. You can get the same effect using Kentile Asphalt or Solid Vinyl Tile.

SURPRISINGLY ECONOMICAL! This Kentile Vinyl Asbestos Tile Floor is so practical. Because it's Vinyl, it cleans like a breeze, won't burn...is greaseproof, too. Because it's tile, it costs less to have installed than flooring in rolls. Ready for a life of ease? Your Kentile Dealer can be found in the Yellow Pages.

Choose from over 200 Decorator Colors in Solid Vinyl, Vinyl Asbestos, Rubber, Cork, and Asphalt Tile. ©1960, Kentile, Inc., 78 2nd Avenue, Brooklyn 15, N. Y.

YOU PAY NO MORE FOR A KENTILE FLOOR
Young sportsmen should enjoy tracking down the three-dimensional wild-life in accent rugs designed by William Hinz. The Hunt Collection includes an owl, left, fox, zebra and lion. Cotton with Zebran, Regal Rugs, Inc., North Vernon, Ind.

Now on tour (but not yet in production) is a compact new laundry center that may eventually eliminate the separate laundry room. Packed into a 60" wide by 25" deep space are complete washing and drying facilities plus remote controls. Westinghouse, Mansfield, Ohio.

For those who have no top-flight picture framer in their communities, a framing company is offering by mail the same service it supplies to museums, and private collectors. Reproducing antique frames is its specialty although it also offers a wide selection of contemporary frames. Artistic Picture Framing, 1228 2nd Ave., N.Y.C.

Sesame Chips is the name of a crisp new cocktail snack with a salty nut-like flavor. Crushed, the chips make a good topping for casseroles. Wise Potato Chip Co., Berwick, Pa.

Gardeners take note: A new tool called the Hole Hammer, 45" long, should make it considerably easier to dig deep holes for root feeding your shrubs and trees. It is helpful, too, in setting fences, posts and stakes. The momentum of the tool's sixteen-pound weight does much of the hard work with a minimum of elbow grease on your part. Impact Tool Company, 102 Girdle Road, East Aurora, N.Y.

Good news for the storage-shy: a new compact electric combination scrubber-sweeper. A single handle with a built-in motor operates either of two floor attachments, below right. Vacuum, below left, is good for bare or carpeted floors; the scrubber washes floor, then vacuums it dry; both are lightweight. The Bissel electric Sweep Master and Scrub Master. Bissell, Inc., Grand Rapids, Mich.

“The best of Yesterday adapted to the needs of Today” is exemplified in this exquisitely fashioned Cabinet. Send for “a Portfolio of Occasional Furniture” to Kittinger Company, 1909 Elmwood Avenue, Buffalo 7, N.Y.

Sold by Decorators and Dealers . . . and displayed in our Showrooms:
NEW YORK • BUFFALO • CHICAGO • BOSTON • DALLAS
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For further information about any product, write to the manufacturer.
KEEP YOUR MUSIC SYSTEM
IN TIP-TOP SHAPE

Happendy, music systems do not have to be pampered to operate properly. But even the most expensive system may lose some of its joie de vivre after a while if not nourished with a little care. Sometimes you may not even be aware of the distortion that develops in the sound when delicate parts wear out or go out of alignment, or when there is a drop in the frequency range. The trouble can creep in so slowly that your ears become accustomed to the changes and accepts them. Yet even a slight loss of fidelity can detract from the sparkling, exciting sound you enjoy showing off to friends.

While your ear may not detect anything wrong, there are several testing devices you might invest in, which will tell you immediately whether or not you are hearing true high fidelity sound. You can either use special test records for this purpose, or give each part of your music system separate tests. It is a good idea to make a habit of testing your equipment at regular intervals in just the same way you would take care of your automobile or any other piece of precision mechanical equipment you want to keep in perfect condition.

Test records

One of the most efficient ways of spotting trouble in your music system is to use a test record. These records, which are available at most record stores and hi fi dealers, provide a series of test tones, musical excerpts and bands of silence which, together with spoken or printed explanations, detect shortcomings in equipment and, in many cases, tell you exactly what is at fault. You may find you can cure the symptoms simply by replacing the stylus (needle) or you may discover that your turntable needs some slight repair which would be well worth the trouble in order to enjoy once again the full brilliance of high fidelity sound.

Here is a sampling of test records, any one of which would be an excellent investment towards keeping your equipment in topnotch shape.

Check and Double Check (Westminster) $10.

A record with a wide range of tests plus an interesting booklet which explains the rudiments of high fidelity in easy-to-understand language.

Electronics World Test Record No. 1 $1.59.

A 7" disc with revealing tests for monophonic equipment on one side, stereo equipment on the other. Two records which together present an extremely complete test of equipment, plus explanations and musical demonstrations of high fidelity.

Lafayette Hi-Fi Stereo Monaural Test Record 1959 $2.95. A record with a series of tests for monaural equipment on one side, stereo equipment on the other side. Instructions are printed on the record jacket as well as on a separate sheet. Available at Lafayette Radio Stores or by mail from Lafayette Radio, 165-00 H. Liberty Ave., Jamaica 33, N. Y.

When putting your equipment through its paces with these test records, you will get best results if you keep the room as free as possible from extraneous noises. Also turn up the volume a little louder than usual. If you prefer to test each component of your music system separately, you might work according to the following plan: first check the turntable (or changer), then the stylus, next the amplifier, finishing up with your radio tuner and tape recorder.

Checking the turntable

The main things for which to test your turntable (or changer) are 1) accuracy of speeds and 2) a level position.

If the speeds of your turntable are too slow or too fast, your records will sound off pitch. Buy a small device called a strobe disc (available at most hi fi dealers for about 25c to $1) which will show you whether the speeds of your machine are correct. If there is a speed adjuster on your turntable, you can make the necessary adjustments yourself. Otherwise, get the help of a serviceman. Uneven speeds, which cause sustained musical tones to sound unsteady and wavering, are sometimes the result of deposits of grease and oil on the moving parts of the turntable. To clean these parts, lift out your turntable and wipe off with Kirsch.

In Home Beauty

Start at the windows

... with Kirsch

Give your home a new lift of loveliness. The sensible way—the easy and economical way—is to start at the windows, as the experts do. Look to Kirsch for smart, adaptable window decorating ideas . . . for every window, in every type of home. Then go to your Kirsch dealer, and select from the full range of beautiful, dependable drapery hardware made by Kirsch. You pay no more to protect your carefully-planned windows with the very best, so ask for Kirsch every time—by name.

Latest decorator effects, using draw draperies over inner draw curtains, need not be expensive. One Kirsch adjustable double traverse rod set, on one pair of brackets, serves both.

OBER ONE-HALF CENTURY

HOUSE & GARDEN
any grease or oil collected on the inside metal rim or the rubber drive wheels which you will find beneath the turntable. If this doesn’t help, have your machine checked at your local hi-fi dealer—the turntable may need a new belt or idler wheel.

If your turntable isn’t perfectly level, the music, especially piano tones, will be unsteady. Use a little device called a spirit level (also on sale at most hi-fi dealers) which will clearly point out when your turntable is pitched at an angle. The most accurate way to discover and correct this fault is to check separately each corner of the square piece your turntable is mounted on. If this piece is removable (it is usually attached by four screws), you can adjust the level where necessary by putting firm wedges of paper or wood under the corners. If your phonograph stands on the floor or on a shelf, you might try slipping wedges under its feet or base—the floor or shelf may be uneven.

Testing the stylus

When checking your stylus you should investigate 1) its downward pressure, 2) signs of chips, ping or wearing and 3) accumulations of dust on its tip.

If loud passages on your records sound shattered and unclear, the fault may lie in an incorrect pressure of the stylus. The downward force of your stylus on a record should be no more nor less than is recommended by the manufacturer of your cartridge (the part which holds the stylus). Too light a pressure will cause the stylus to “chatter” in the grooves. Too heavy a pressure increases the record wear and shortens the life of the stylus. Ask your hi-fi dealer what is the ideal pressure for your type of cartridge (you will probably find its make printed on the top or underside) and also find out how you can adjust the pressure on your machine—each machine has a different kind of adjustment. Buy a little gadget called a gramme scale (or stylus pressure gauge) and use it to check the pressure of your stylus every few months.

If your records sound dull or jarring, you may need a new stylus. The surest way of telling whether a stylus needs replacing is to have it examined under a microscope at your local hi-fi dealer. Diamonds should be replaced after 800-1000 hours of playing; sapphires after 30-40 hours.

If your records sound fuzzy, you may find a large dust ball sitting on the tip of your stylus. Use a camel’s hair water-color paint brush to remove it. Don’t try to dislodge it by running your finger carelessly across the tip—this might pull out the stylus or, if you should do it while the volume is turned on, create a loud sharp noise that would harm your speaker. To keep the needle free of dust in future, use any of the many record cleaning products available. Among them are: a brush which attaches to the tone arm or to the side of the turntable and changes and automatically whisks the record grooves clean; a radio-active device which attaches to the tone arm and eliminates static electricity from records; or a special cloth impregnated with an anti-static solution. Any of these items will cut down the wear and tear on your stylus— as well as preserve the life and clear sound of your records.

Inspecting the amplifier

If you have a self-contained phonograph, there is not much you can do on your own to check your amplifier because it is usually completely enclosed and unreachable. But if you have a music system made up of separate components, you can check your amplifier for 1) undue hum and 2) too much heat.

To cure a persistent hum in the background of your records, look to see if your amplifier has a “hum balance” knob. If it does, take off the record you are playing, turn up the volume and adjust the hum balance till you get theminimum amount of hum. If this doesn’t help, check your cables and connections. The cable running to your speaker and the one running to the AC outlet should not be parallel. Also be sure no bare wires from two separate cables are touching each other. If hum still persists, have your amplifier checked by a serviceman.

Overheating is one of the main causes of amplifier trouble so be sure you give this component plenty of air. Surround it with a good amount of free space and if you place it at the back of a cabinet, drill holes in the top, bottom and back of the cabinet to create cooling drafts of air.

Continued on page 236

Your Music System Continued

Cabinet, drill Indes in the top. bottom so be sure you give this component plenty of air. Surround it with a good amount of free space and if you place it at the back of a cabinet, drill holes in the top, bottom and back of the cabinet to create cooling drafts of air. Treated to your own music system because it is usually completely enclosed and unreachable. But if you have a music system made up of separate components, you can check your amplifier for: 1) undue hum and 2) too much heat.

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Overheating is one of the main causes of amplifier trouble so be sure you give this component plenty of air. Surround it with a good amount of free space and if you place it at the back of a cabinet, drill holes in the top, bottom and back of the cabinet to create cooling drafts of air. Continued on page 236

In cafe curtain hardware, look to Kirsch for beauty and variety; beautiful rod sets in latest finishes—up to twelve feet wide... easy-to-use clips and rings for every type of heading.

In pleating tape, treat yourself to the new adjustable Kirsch Easypleat. Twice as many pockets per yard, for choices in spacing: three rows of openings, for heading height adjustment.

Available in several types, and in sizes to fit every window in your home, even up to eighteen feet wide!
Denmark's Liqueur Delight
Since 1818

Since its inception in 1818, Denmark's Cherry Heering has been a favorite for both men and women. It is traditional as a liqueur, whether served chilled or poured over ice for a refreshing change. Try Cherry Heering soon - find out why it enjoys the rare honor of appointment to nearly every Royal House of Europe!

FREE DANISH RECIPE BOOKLET, BEAUTIFULLY ILLUSTRATED
Write Dept. HG-2, Schenley Import Co., 350 Fifth Ave., N.Y. 1, N.Y.

GOOD DESIGN UNDER $1

Here are two dozen hostess gifts culled from the biennial exhibition put on by the students at Brooklyn's Pratt Institute to prove that good design is not a matter of price.

1. Lunch accessories with a country flavor from Pottery Bazaar: Vermont-made pottery mugs in teal, beige or white with finger-hole grip. 89¢ each. Teak butter spreader. 69¢. Stainless steel cheese spreader with teak handle. 89¢. Woven mats in choice of orange, black, brown or green. Each 29¢.


3. Tulip-bowl stemware in four sizes for water, red wine, white wine and liqueurs. The shape is well designed to hold the delicate bouquet of your beverage. At Pottery Bazaar. Each 69¢.

4. Porcelain coasters in plain white with a multitude of uses: as butter plates, ashtrays, individual hors d'oeuvre dishes, candy servers, etc. Pottery of All Nations. Each 19¢.

6. Japanese porcelain for afternoon tea, from Ginza. Authentic cups with bird and flower motifs in blue. 59c each. Saki wine bottle that also makes a slender flower vase. 50c.

7. Outdoor party lights to set a patio table or line the driveway. Of blue, red, green or orange glass filled with candle wax and wick. Chinaker. Each 49c.

8. Smoking stores from abroad: Danish-made glass cigarette container and ashtray, Pottery of All Nations. 59c each. Wood matches in myriad brightly wrapped pocket-sized boxes from Japan. Merrill Ames. Ea. 5c.


why it's easy to enjoy stereo with fine
H. H. SCOTT COMPONENTS

Fit Anywhere
Place the new H. H. Scott 399 music center on a bookcase or slip it into any furniture with a shelf. It is little larger than a table radio.

Easy to Connect and Play
Three simple connections and you are ready to play. H. H. Scott Photo-Guide makes you an expert at the controls in less than an hour.

Smart in Any Setting
Its clean, handsome lines blend with your favorite furniture, traditional or contemporary.

Components Sound Best
The experts agree, it takes separate components like the 399 for life-like realism. Listen and you'll hear why.

NEW FREE BOOKLET
Gives 25 Ideas For Stereo In Your Home

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Rush me your new catalog and free booklet "How To Use Stereo Components in Your Decorating Plans".

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For store addresses and mailing costs write Ha&G's Reader Service.
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Handy and handsome... a chair
that's at home anywhere. Seat
padded with foam-rubber and
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in black, white, tangerine, mustard,
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Contour-molded back of ready-to-
finish laminated birch. Sturdy
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End hide 'n see storage of spices, baby foods,
package desserts and other hard to find items
with Three-Shelf SPIN-A-STORAGE! Eliminates
fumbling, juggling, stacking! Three 11" steel
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needs no installation—just set it on shelf or coun-
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now in kitchen white or antique copper.
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Antique gold finished metal, exquisitely hand
crafted in the free port of Hong Kong. 18"
diam., 15" high... an exciting way to enhance
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$5.95 each, $10.95 pair, p.p.d.
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Pliated in brilliant brass... rich deep
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gracefully complemented with scroll
feet. Displayed with your objects
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elegant accent for
any interior, 32"
high. Square
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DEPT. HG4

Sugar and spice
Enhance the endearing charms of
a very young girl with this ex-
quisite white cotton dress, finished
with French seams and beautifully
hand smocked. Made for the
toddler set, it comes in sizes one,
two and three. Smocking comes in
sky blue or cherry red. $6.95 post-
paid. Order from The Carriage
House, Department HG4, Cold
Spring Harbor, N. Y.

Operation clean-up
Keep the desk at home or in the
office in neat, workable order with
a desk basket to hold pencils,
crayons, scissors, paper clips, elas-
tic bands. Frame is wood covered
in leather-like plastic. Colors:
brown, green, maroon, gray or
ivory. Scroll decoration is gold
color. 4½" x 4½". $1.50 ppd.
Medford Products, HG4, Box 39,
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The added touch
Grace a pretty breakfast tray or
table with a crystal creamer and
sugar bowl. Easy to care for,
the sparkling glass adds eye appeal
to any setting. Each container is
4½" high. Included in price is a
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Antiqued, Lacquered Cabinet Holders 25 Pairs
Women's Shoes or 10 Pairs Men's Shoes
Are your shoes gathered or cluttered, pushed uner
bed or under the bed? Eliminate clutter, an
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help your shoes look and feel as they just
come out of the box. They are 12" wide, 4½"
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IN KIT:—one box each: shoe clips, guards, marking,
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Save all descriptions. $23.95. R. 245, Chas. C.,
New Free Colorful House Placemats—36 at $1.75.
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Colorific HOUSE
BOX 325 EVANSVILLE, INDIANA

SHIPPING

Antique treasure
Notable accent for indoors or out:
an 18th century carriage lantern
imported from the French chateau
country. Handmade of solid ham-
mered brass, wrought iron and
heavy crystal, it is 29½" high by
8½". Use one on the patio, or at
the entrance door. $150 for one
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The added touch
Grace a pretty breakfast tray or
table with a crystal creamer and
sugar bowl. Easy to care for,
the sparkling glass adds eye appeal
to any setting. Each container is
4½" high. Included in price is a
three-letter monogram. Please un-
derline last initial. $3.25 plus 35c
postage. Thomas-Young, HG4, 30
West Lockwood Avenue, Webster
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Operation clean-up
Keep the desk at home or in the
office in neat, workable order with
a desk basket to hold pencils,
crayons, scissors, paper clips, elas-
tic bands. Frame is wood covered
in leather-like plastic. Colors:
brown, green, maroon, gray or
ivory. Scroll decoration is gold
color. 4½" x 4½". $1.50 ppd.
Medford Products, HG4, Box 39,
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Sugar and spice
Enhance the endearing charms of
a very young girl with this ex-
quisite white cotton dress, finished
with French seams and beautifully
hand smocked. Made for the
toddler set, it comes in sizes one,
two and three. Smocking comes in
sky blue or cherry red. $6.95 post-
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with Ann McLaughlin

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Music in the air
To enjoy music wherever you go, wear Audio Spectacles. A tiny transistor radio is fitted into the frame of a good-looking pair of sunglasses. Three transistors and one diode assure excellent reception. Optician can replace dark lenses with prescription ones. $34.95 postpaid. Herman Optical, Dept. HG4, 164G Clymer Street, Brooklyn 11, N. Y.

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If a favorite pair of shoes is a little the worse for wear, let the Century factory rejuvenate them with new soles and heels, new sock linings. Expert work makes them like new for the modest fee of $4.95 plus $1 postage. Mailing carton will be sent on request. From Century Factory Shoe Repair, Dept. HG4, 210 Park Avenue, Baltimore, Md.

The cradle set
The tiniest baby is assured blissful comfort in the cradle chair. Bring the youngest member into the family circle and enjoy its charming antics. Made of hardwood finished in pastel pink, blue or yellow, Safety strap is cotton webbing, plastic covered mattress is reversible. 11" x 20" x 10" high. $9.95 ppd. Harvest House, HG4, 1200 Niagara, Buffalo, N. Y.

Pillow talk
Cool and colorful, these terry cloth cushions filled with foam rubber are quilted in a waffle design, can be tossed into the washing machine to come out looking bright and fresh. Perfect for indoor or outdoor use. Colors: turquoise, yellow or white. Available in 15" round or square shapes. $3.10 each ppd. Patio Sales, HG4, Box 25, Highland Pk., Ill.

Lazy Sarah
new sister to Lazy Susan, Esmond's orange or turquoise ceramic canister set with walnut base and lid, 16.95
In the Household Bazaar

Lord & Taylor
424 Fifth Avenue, New York 18

NEW DESIGN
FRENCH CRYSTAL
4-WAY DECANTER
Holds four different cordials or brandies. This striking piece of imported crystal hand-blowen by French craftsmen is more than a foot high. Show it off with green Creme de Menthe, red Cherry Heering, brown Creme de Cacao, amber Cognac. A gift a $175 BRIDE or FATHER will never forget.

Page & Biddle
Dept. HG 4, Bryn Mawr, Penna.

NEW DESIGN
PERSONALIZED
RAINCOAT
From waxy, wool felt you can wear this raincoat in 3 colors: Navy 145, Lightens 146, Medium 147. The coats are personalized with your name or monogram or name for bath robe, coat, sweater, etc., all in one place. Homey complements. 11" wide X 22-24" high. $1.50 ppd.

PET CADDY
ONLY $2.98 ppd.

One-size-fits-all pet caddy. Personalized with name, monogram, etc. Keeps your family pet safe and happy. Available in red, yellow, blue or pink. One $1.50 item and one $2.98 item—$4.48 ppd.

FOLDING BACK REST
Ingeniously improved Folding Back Rest gives you the joy of sitting-up support when you read, eat, watch TV. Provides 3 positions, especially selected for maximum comfort. Anchored by non-skid base. Stretch strap holds your own pillow where you want it. Folds "tuck-away" flat. Conveniently light. Wood grain finish. Gifts mailed direct. We ship immediately for only $3.98 postpaid.

AROUND...
SHOPPING AROUND

Johnny one note
Decorative accent for any room and a source of great entertainment, the Gadle (pronounced goose-leh) is a one-string instrument native to Serbia. Made of beautifully carved fruitwood and calf hide stretched over a shallow base, it is 16½" long x 4½" wide, comes with a bow. $9.95 ppd.


Leaves of gold
Graceful accessory for dining or living room, this gold-plated leaf tray can be used in several ways. Fill it with nuts or mints for the dinner table or use it as a snoker's accessory in the living room. About 5" x 5¼", it is finished in the new brushed gold effect. $1.50 postpaid for one. Vernon Specialties, Dept. HG4, 276 East Third St., Mount Vernon, N. Y.

Swan song
This handsome Italian import will end the search for an unusual magazine rack. Made of heavy cast brass burnished to a golden glow, it has four capacious racks to hold an array of periodicals, 16" x 13" x 23," $42.50. Smaller version (6" x 6½" x 3½") is perfect for stationery, $15 plus post.

Swan song
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Spring tonic
Set off a coat or cashmere cardigan with a beautifully cut shawl collar made of California rabbit fur. Dyed in delightful colors, it will add a gay accent to fair weather clothes. Chartreuse, red, green, blue, white, beige or black. 4" wide x 3¾" long, it is easy to attach. $8.95 postpaid, Order from I. R. Fox, HG4, 140 West 29th St., New York, N. Y.

Traveler's cache
Stow the treasures collected on your trip in a colorful brocade tote bag decorated with the Eiffel Tower and the Arc de Triomphe. It will hold a number of bottles, shoes or gifts. Bottom, zipped top and handles are black leather-like plastic, lining is washable. A welcome Bon Voyage gift. $4.98 plus 45c post. Here's How Co., 95 Fifth Ave., New York, N. Y.
Domesticated

You're looking at a new nylon carpet that has nylon's incredible strength with a luxury never before achieved. The secret is “Cumuloft” nylon, the new continuous filament textured nylon yarn developed by Chemstrand. With Cumuloft nylon you can now have carpets that won't shed, pill or fuzz. Nylon carpets that resist soiling. That clean easily. That bounce back. That wear. And nylon carpet that is rich and soft. Look for Cumuloft nylon in superb carpet collections now being loomed by Alexander Smith, Mohawk, Callaway, and Magee.
THE NEWEST, MOST DARING WINDOW FASHION OF THE YEAR

Here's Flexalum Twi-Nighter's brand new window treatment, hailed by designers as the decorating idea of the year. White louvers are boldly edged with brush-stripes of color. You can achieve startling effects! There's no limit to the designs you can create with 11 brush-stripe; 35 solid and texture patterns. And Twi-Nighter's exclusive shut-tight design gives complete privacy. Spring-tempered aluminum louvers, wipe-clean plastic tapes and nylon cords will stay new-looking for years. Find your Flexalum dealer in the Yellow Pages.

**Flexalum's TWI-NIGHTER VENETIANS**

For a set of 11 brush-stripe aluminum swatches send 25¢ (coin or stamps) to: BRIDGEPORT BRASS COMPANY — HUNTER DOUGLAS DIVISION, 405 Lexington Ave., New York, N.Y. Makers of FLEXALUM VERTICALS . . . FLEXALUM AUDIO-VISUAL BLINDS . . . FLEXALUM ALUMINUM AWNINGS
Peter!
I've found such a wonderful new modern pattern... and it's in sterling, too!

new "SENTIMENTAL"
so gracefully modern... so obviously sterling!

New "Sentimental", by Heirloom Sterling is truly modern! Here is a graceful, subtle simplicity that leaves angular starkness as far behind as overdone ornamentation! It's a beautiful step forward in sterling design. And "Sentimental's" beauty is for every day... because it is sterling. The more you use it, the lovelier it becomes throughout a lifetime!
the carpet of elegance... MODERN PALETTE by FIRTH

Color—fresh, clear, radiant... shades that avoid the ordinary, that bathe a room in softly-stated elegance. Shown is 'Chablis White Wine'. You'll want to see 'Monet Blue', 'Picasso Gold', 'Degas Beige'... a collection of rich, true tones you've never found in carpet before. Firth weaves it of Acrilan® Acrylic face yarn into a fascinating knotted texture. And the bonus with all this beauty is carpet that requires minimum care, resists stains, mildew, moths—and stands up under the heaviest wear. Plus a price that's a pleasant surprise... about $11.95 a square yard!

'Modern Palette' is now available at fine stores throughout the country. For the name of the store nearest you write: Firth Carpet Company, Dept. 64, 295 Fifth Avenue, N. Y. 16.

Send 25¢ for Firth's idea-filled new decorating booklet—"Spotlighting You".

FIRTH
SHOPPING AROUND

Down beat
Highlight the music area, or a corner of your recreation room with this black plastic drum, two single musical notes and one double note. Easy to attach to the wall, these look like wrought iron, give a musical definition to the area. Over-all size of the group is 18" x 10". $1 postpaid complete. Glasscraft, Dept. HG4, 920 Chicago Avenue, Evanston, Ill.

Heads or tails?
Unusual cuff links for men or women are made of antique Roman bronze coins. Beautifully mounted on bronze swivel backs, the coins are from 1,600 to 2,000 years old. Packed in a butter-soft leather drawstring pouch, the cuff links come with a card which gives date and origin of coins. $7.98 ppd. Nassau, Dept. HG4, 200 W. 34th St., New York, N. Y.

At leisure
To give any chair blissful chaise longue comfort, invest in a Leg Lounger. Brass plated frame is fitted with a heavily padded vinyl covered cushion which comes in ivory, green or black. 16" x 18" x 13" high, the Lounger adjusts to three different angles. A damp cloth keeps cushion clean. $9.95 express collect. Hobi, Department HG4, Flashing 52, N. Y.

No cool chic, this
Serve breakfast eggs, boiled and tempting, in this nested hen server. Made of ceramic, the hen cover is white with bright red comb, the nest is white with green and brown basket design. 4½" x 3½" overall, it makes a perky container for jam, butter or saucers. $1 for one server; $3.50 for a set of four. Postpaid. Order from Downs & Company, HG4, Evanston, Ill.

Doctor, lawyer
Give your professional friends handsome jewelry accented with the symbols of their trade. Engineer, pharmacist, dentist, architect, chemist. You name it, and it will appear on sterling or gold-filled cuff links. $7. On tie bar (2" long) or tie tack, $4. A set of links and tie bar or tack is $10. Ppd. Tax incl. Wayne, HG4, 546 So. Broadway, Yonkers, N. Y.

AFRICAN HANDCARVINGS
Handcarved by Kenya natives from glowing African hardwoods. Each is hand rubbed to enhance the beauty of the grain.

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
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<tr>
<td>A - GIRAFFE - 10&quot; to 12&quot; high</td>
<td>2.88 ea.</td>
</tr>
<tr>
<td>B - KNEELING DEER - 5&quot; to 6&quot;</td>
<td>2.88 ea.</td>
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<tr>
<td>C - CROCODILE - 13&quot; to 15&quot; long</td>
<td>2.88 ea.</td>
</tr>
<tr>
<td>D - Kenya Woman bust (in ebony)</td>
<td>2.88 ea.</td>
</tr>
<tr>
<td>E - 3 LUCKY MONKEYS - “See no evil.” “Hear no evil.” “Speak no evil”</td>
<td>2.88 ea.</td>
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</tbody>
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Also available in other figures—send for list!

FRUIT SAVING BANK
The happiest way to save money! Replace that stocking or sugar bowl with our colorful Apple, Orange or Pear (please specify). Can be "rubbed" thru rubber stopper in bottom. Puts a smile on the pantry shelf or in kiddies room. A full 5½" tall and a fat 16" around.

12 RARE JUNGLE BUTTERFLIES $1
*Vivid Exotic Colors
*Ready to Mount

Tropical splendor to make stunning conversation pieces of your table and dresser tops, serving trays, waste baskets or a centerpiece. Each processed to lay flat.

Add stunning beauty to your home at this fantastic, never-before price—a dozen all different for just $1. Order several sets while they last and remember some for the youngsters too!

GREENLAND STUDIOS, Dept. HG4
5850 Forbes St.
Pittsburgh 17, Pa.

DE LUXE CRYSTAL BOWL
Fill it with fruit or flowers to create a magnificent centerpiece! The crucial secret tip of this handsome appointment is its 12" in dia., 18" high. It is decorated with handsomely designed crystal jewels which hang from the rim. The base is heavy cut lead crystal.

Check or money order—Express charge collect.

 Satisfaction guaranteed.

PAULEN CRYSTAL CO.
296 Broadway, Dept. HG-460, N. Y. 7, N. Y.
IDENTIFY YOUR DOG!—$1.49

Now your straying dog can be identified when he’s lost! We’ll engrave his name—as well as your address, address and phone number on this heavy-weight 1½" lifetime stainless steel I.D. Tag. Snaps onto dog’s collar with sturdy hook. For your peace-of-mind, get this Doggie I.D. Tag today! Send all necessary information. Money back guarantee! DOG TAG, only $1.49, postage paid. Sunset House, 628 Sunset Building, Beverly Hills, California.

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Lovely to look at, and so comfortable! Constructed of hand-picked native hardwoods, with tempered steel coil springs to assure years of lasting satisfaction. Upholstered in your choice of twenty decorative colors in fabric, vinyl or leather. (Sample colors on request.) 36" W., 22" Seat Depth, 18" Seat Height. 47" H. Only $46.50 each; $70.00 pair. (Your fabric—3 yards $5.95; 4½ yards, $7.65.) Express delivery. No C.O.D.’s. For further information, contact H. W. Taylor, Mfg. Sales, Box 280, Highland Park, III.

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- Here is the answer to safe driving with young children. Just slips over the seat belt or harness. Toddler can sit up high and securely.
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- Made of strong blue webbing, this adjustable belt harnesses around the child’s waist. Belt slides through child’s belt and travels up and down a second strap that buckles over the seat back. A perfect baby present.

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Craftsmen in Charm
AROUND

History repeated
Stir tinkling ice in a glass of lemonade, iced tea or coffee with these long-stem silver spoons imported from Italy. Topped with silver crests relating to Florentine history, they are companions to the popular Florentine demitasse spoons. Each is 8" long, beautifully modeled. $4.98 for 6. Ppd. G. Wayne Tabor, HG4, 7540 E. Grand, Dallas, Tex.

Handy for the cook
Spark up the kitchen and add efficiency, too, with a good looking spice rack. Made of knotty pine, it is available in a choice of an antique maple or honey pine finish. Included with the rack come 16 apothecary jars filled with the most popularly used spices, 19" x 14" x 4", $22.95 postpaid (without towels). Yield House, HG4, North Conway, N. H.

Portable comfort
Anyone who owns this neck pillow of durable vinyl covered in corduroy will take it wherever he goes. Choice of colors includes gold, green, blue or charcoal. Perfect companion for the traveler, the pillow deflates for packing, can be blown up to desired fullness with little effort. $3.50 postpaid. Better Sleep Company, Dept. HG4, New Providence, N. J.

Be below par
Keep a putting eye in practice and steady a wayward wrist with this new electric golf game. Fun for both high or low handicap golfer, it automatically returns the ball. For the "pro" there is a very small cup for aiming the ball; for the duffer there is a more generous area. $6.95 plus 25c. Page & Biddle, Dept. HG4, 1038 Lancaster Ave., Bryn Mawr, Pa.

Lazy Susan
HERB GARDEN
A complete 12 piece gourmet set comes with a beautiful and sturdy pressed-wood Lazy Susan containing 3 removable white Styrene pots, pack of Black Magic earth and 5 pockets (enough for 3 plantings) of herb seeds. Herbs are: Sweet Basil, Chives, Sweet Marjoram, Summer Savory and Cherry. Lazy Su- san comes white or maple. Complete $7.95 PLEASE ADD 50c FOR POSTAGE Pa. Residents add 5c. Also Tax Sorry No Stamps or COD's Please TAYLOR GIFTS Wayne 3, Pa.

THIS IS THE SWAN BATHROOM FIXTURE!
A Sherle Wagner Original, jewel-crafted with exquisite perfection in 24 kt. gold plate. $139.50.* Greek Key Bowl, $75.00.* Available with correlated accessories. At the Sherle Wagner Shop, 123 East 57th Street, New York 22, N. Y. For illustrated brochure send 25¢ to Department SG.

APRIL, 1960
**Ancient Symbol**

Miniature reproduction of the famous god Ho Toi (reputed to be the guardian of health and happiness) is an import from Hong Kong. The tiny figure is beautifully hand carved from solid rosewood and can be used as an ornament or as a paperweight for a man's desk. About 4" high, $1.50 postpaid. American Trader, HG4, 31 Lafayette, White Plains, N. Y.

**In Vino Veritas**

Start your own wine cellar (in any kind of space) with an Add-A-Comb wine rack. Individual aluminum sleeves lock together by grooves; additions can be made as wine supply grows. Sleeves, 4" in diam, x 6" long, are finished in gold color, $9.50 for six; $18.95 a dozen, ppd. Camaliier & Buckley, 1141 Connecticut Ave., N.W., Washington, D.C.

**Well Preserved**

Protect a typewriter and add a decorative note to the study or student's room with this spanking white quilted plastic cover. Gaily decorated with a black applique of an engaging kangaroo, it is well made and easy to keep clean. Available in two sizes; for standard or portable machines, 1.95 postpaid. R M S Interiors, HG4, 214 W. Ontario, Chicago, Ill.

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**Now, Garden Sprinkling Made Easier Than Ever!**

Sprinkles just as you would by hand, with your favorite adjustable spray nozzle—but let the patented Lykke-bo HOSE STAND do the work! Hose fitted with spray nozzle is easily friction-clipped to stand's adjustable head. Place firm, four-legged base anywhere—on lawn, drive, hillsides—just point hose at area to watered! No need to get wet to change sprinkler position! Sundays, handsomely green Saffi, $7.95 postpaid (US and Canada); $14.95 postpaid (all others). Order yours today!

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**A CUPOLA CROWN FOR YOUR HOME**

Complements any style architecture, Pre-Fabricated and fully assembled, sets up in minutes. Expertly crafted of top grade selected pine, sanded in satin white and then for your finish, white, cream, rose or claret. Combs to any size. Price: 11" diam in satin white, $19.00; 21" diam in satin white, $44.00. Dyna-mo extra. Send for Free Catalogue. HOME INDUSTRIES, 330 Athens Street, Jackson, Ohio.

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- **$4.95 PPD.**
- Adjusts to grill or brazier of any height!
- All metal • rigid • safe • weather-proof • folds flat for storage • lightweight 20% • 18" tray top in baked-on enamel • height-adjustable hooks and hinges. A wonderful gift for weekend host or hostess!
- No COD's please • See for FREE catalog!

**A Fountain or an Ornament**

This chubby little fellow with Jug and Bird Bath is 25" high, 28" wide. The jug can be piped for running water. Made of Polystone—$45.95. Figures without bird bath, $33.00. Prices F.O.B. N.Y.

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**wood or metal frames**

Our water-repellent outdoor cushions help you revitalize your garden furniture in no time, saves money, too. Economy pads are filled with no-mat cotton, covered in heavy-duty forest green sateen and is easily friction-clipped to stand's adjustable head. Place firm, four-legged base anywhere—on lawn, drive, hillsides—just point hose at area to watered! No need to get wet to change sprinkler position! Sundays, handsomely green Saffi, $7.95 postpaid (US and Canada); $14.95 postpaid (all others). Order yours today!

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Import Specialties, Dept. HG4, Box 5357, Pasadena, California
AROUND

Nostalgic reminder
This gleaming jar, inspired by an old-fashioned coach lamp, makes a charming container for candles. In a bathroom, looks delightful filled with balls of colored guest soap. Clear glass panels are framed and topped with polished brass. Measures 4 inches in diameter by 10 inches high, is only $4.50 postpaid. Order from Wood & Co., Dept. HG4, Box 65, Cascade, Colo.

Sleep, my pretty one
Short sleek nightgown, copied from a classic Greek shift, is made of polished satin in a choice of royal blue, white or black. Binding at hemline, top and armhole is of white satin, and there is a matching white satin rope belt. Home washable. Sizes 10 to 20. $4 postpaid. Order from The Satin Shop, HG4, 1209 Balmore Ave., Chicago, Ill.

Having a party?
Beautify a buffet table with exquisite handmade sterling silver serving pieces. Sardine, herring or anchovy server has a three-tined handle embellished with anchovy server has a three-tined end. A twisted stem and a beautiful handmade sterling silver fully modeled fish finial. Jackets and roses. 7 3/4 inches. $10.95. Ppd. Tax incl. Jamaica Silversmiths, 79-32 164th St., Jamaica, N.Y.

NEW GARDEN BEAUTY LIGHTS
These California lanterns change your garden into a beautiful night-time fairyland. Made of aluminum and finished in enameled leaf green, they blend perfectly with garden foliage by day. Each leaf measures 11 inches x 7 inches and has a concealed light that casts a soft, quetle light on flowers and foliage at night. Stem is 31 inches and comes complete with water-tight, safe cord and socket.

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2 Leaves and 12' cord .......................................... $28.00

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For gracious ease and comfort, this durable nylon-woven, furniture-grade cushioned chair or outside seating will be a lasting beauty. Excellent comfort. Excellent style. Sling chair...$38.95

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Horse Hitching Post in black must be painted ($15.00). 3 sizes: 5', 6' and 8'. Price:

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2001-L Low Seat .............................................$19.95
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Saves plants, money, water, time!
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An English drop-
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Wonderful for your own home
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HOUSE & GARDEN
**AROUND**

**Ancient toy**
An import from India, the Kon-dapali horse and horseman is a highly decorative accent in any room. Because of its age, the solid brass is worn and blunted. The wheeled horse is impressive in beautifully modeled trappings. 5" high, it holds a brave warrior on his way to battle. $2.99 express collect. Hyberia, HG4. 2140 Hyperion, Los Angeles.

**Table talk**
Spark up the breakfast hour by serving fresh fruit in a charming bowl designed like half a cantaloupe. Interior is a lovely melon pink, outer side is convincingly veined in green and beige just like a fresh melon. This makes a nice serving dish for individual portions of soup or ice cream. $4 ppd. each. The Landings Co., 14-16 150th St., Whitestone, N.Y.

**Canine caddy**
Beguiling French poodle is, in reality, a summer pocketbook! Basic ingredients are white straw and pink marabou, with jewel-like stones forming the eyes. Perched on top of the poodle's head is a black velvet bow studded with rhinestones. Bag opens at neck. 12" high. $19.95 postpaid. Tax incl. Stewart's, HG4. 21 East Las Olas Blvd., Ft. Lauderdale, Fla.

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Create a romantic mood of warm-hearted Hawaiian Royalty right in your own home with this Kona starter group by Ritts, maker of finest quality rattan furniture for over 25 years. Handicrafts, cashmeres, men's shirts... and linen clean and dust-free!

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Jarra Gems look exactly like fine diamonds, at a fraction of the cost. Their beauty and brilliance are permanent. Mademoiselle [February 1958] said of Jarra Gems: "One would find it hard to distinguish this man-made stone from a real diamond Illusion." One would find it hard to distinguish this man-made stone from a real diamond Illusion. More Brilliant than Diamonds.
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SHOPPING AROUND

By popular demand
A dress to cherish all summer, this wash-and-wear cotton is printed in glorious stained-glass colors. Convertible neckline lends itself to a variety of jewelry, self belt is neat and trim, back yoke gives ease of motion and button-down front makes it comfortable to wear, 10 to 20, $16.95 postpaid. From Johnny Appleseed, Dept. HG4, Post Office Box 701, Beverly, Mass.

Be-switching!
Accent for a country room: a pine finished sugar scoop designed to cover a light switch! Copied from the old-fashioned scoop used in the country general store, it is large enough to hold a metal liner in which to plant ivy or philodendron. 10½" high x 4½" wide x 2½" deep. $2.98 each; $5.50 for two. Postpaid. Crescent House, HG4, Box 621, Plainview, N. Y.

Far East flavor
Wall bracket made in America has a typical oriental feeling. A hard cast stone. Gemstoneware, is used in the reproduction of one of China's favorite brackets on which to display art objects. 9¼" wide x 5" deep x 9¼" long, it is finished in pickled wood, a dark brown color. $9.95 postpaid for one. Ziff & Company, HG4, 1534A Merchandise Mart, Chicago 54, Ill.

Good channels
Comfort and good looks are combined in this channel-back chair with a hair-filled, coil-spring seat. Frame is sturdy hardwood; covering is acetate frieze in toast, coral, aqua, flame, emerald, gold or brown. Available too, in 20 shades of spotproof velvet. 36" x 27", $46.75 ea.; $93 a pr. Expt. coll. Hunt Galleries, Department HG4, Box 492, Hickory, N. C.

Best of show
Hand-hooked cotton rug, worked in the figure of a rakish looking cat, will capture the heart of every member of the family. Colorfast and washable, it is a practical size (35" x 32") for bedside, bath or in front of the kitchen hearth. Comes in black and white. Only $6.95 postpaid. Order from Deer Hill Company, Department HG4, Flushing 52, N. Y.
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Chevrolet Division of General Motors, Detroit 2, Michigan
SHOPPING AROUND

Tile topics
Protect table tops with this good-looking trivet which has a sturdy handle attached. Frame is made of hard-rubbed pine, into which is set a ceramic tile decorated with multi-colored old-fashioned designs. A leather thong is for hanging. Size, including handle, is 10" x 6½". $8.75 for three. Empire, HG4, 140 Marbledale, Tuckahoe, N. Y.

Cascade of colors
Add a sophisticated touch to bedroom or living room with a striped Madras spread. (Split one for a pair of draperies.) Dominant colors are rust with orange, blue with green or lavender with wine. 72" x 108" spread is $3.99. 90" x 108" is $4.99. Express collect. Order from The Akron, Department HG4, 4402 Sunset Boulevard, Los Angeles 27, Calif.

Gaiety reigns
Striped summer bag, perfect foil for solid color cottons, is made of multi-color handwoven raffia. Lining is spic-and-span white rayon; handles are wrapped with clear plastic for easy cleaning; frame and catch are sturdy. 9" x 11", it has a generous capacity. $4.95 plus 50c postage. Fed. tax included. Old Pueblo, Department HG4, Box 4035, Tucson, Ariz.

Man's best friend
To keep your family pet safe, comfortable and happy, use Slide-O-Matic whenever he is tethered outside the house. Made of chrome-finished metal, the chain will not tangle or trip the animal, and can be attached to a line, a pole or the side of the building. Approved by American Humane Association. $3.49 ppd. Panda Products, HG4, 1200 Niagara, Buffalo 13, N. Y.

All that glitters
For your next informal party, use these attractive cocktail napkins (9" square) made of linen-like white paper decorated with gold fleur de lis. With them come matching luncheon napkins (13½" square), $1 for 50 cocktail and 30 luncheon napkins, Absorbent 3" square coasters are 59c for 20. All postpaid. Kimball Printers, HG4, 100 Bond Street, Oshkosh, Wis.

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Sleeveless topper, made of silk jersey impregnated with 24k gold, has a low bateau neckline which is gracefully draped in front and back. Wear it with a dramatic theatre suit or, for more formal occasions, with a hillowy white chiffon evening skirt. Sizes 32 to 40. $825 postpaid. Order from Scintilla, Dept. HG4, 1209 West Balmoral Ave., Chicago 50, Ill.

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Perfect for dining, it is 30" high; seat, 15" x 18". Available unfinished to paint or stain yourself, $9.95. Finished in maple, walnut, cherry, pine or mahogany, $12.95. Exp. coll. Order from Jeff Elliot, Statesville, N. C.

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AROUND

Get a good grip
In time for the up-coming barbecue season, these sturdy scissors-like tongs are indispensable for turning a steak, lifting a roast or arranging ears of corn in the firebed. Finished in black, the 14" long tongs have two fork-like fiutals which grip securely and easy-to-hold handles. $1.65 ppd. Beau Monde, HG4, 469 Beacon Street, Boston 15, Mass.

In full blossom
Create a charming effect on the patio or on a festive buffet table with this enchanting table fountain. Molded in ivory-colored plastic, it is designed like a lotus bloom. 16" diam. Concealed electric bulbs shed light on the continuous spray of water. Complete with electric motor and cable. $19.95 postpaid. Taylor Gifts, HG4, 226 West Wayne Ave., Wayne, Pa.

Gardener’s choice
Garden boots which can be washed clean in a jiffy under the outside faucet eliminate the eternal problem of muddy shoes. Made of pliable latex with crepe soles. Wear with or without shoes. Green only, Women’s sizes: small (4 to 6), Medium (6 to 8), Large (8½ to 10). $2.98 a pr. Ppd. Walter Drake, HG4, Drake Bldg., Colorado Springs, Colo.

Party server
For buffet fare, this extra large basket tray, 21¼ x 16½ x 3", is the perfect container for mounds of fried chicken, for an arrangement of fruits and cheese, or leaves of French bread. Handmade in the Orient, the natural color tray is sturdy and goodlooking. $2.98 plus 35¢ postage. From Foster House, HG4, 6523 N. Galena, Peoria, Ill.

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**AROUND**

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Be prepared for late spring weather when dining on the terrace is a joy. For dinner a deux, this extravagantly beautiful wrought iron table from Italy is perfect. Through the heavy glass top sculptured metal flowers are visible. 22" in diameter x 19" high. Comes in white only. $100. Express collect. Edith Chapman, HG4, Nyack, N. Y.

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*Gillmor, HG4, Chicago, Ill.*

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HOUSE & GARDEN
AROUND

Hold 'em, Joe

Handsome desk appointment for home or office, this solid walnut pencil holder, hand turned and polished, has slots for eight pencils and a sturdy decorative handle. Attached to one side is a solid brass plate which comes marked with three initials, \(3\frac{1}{2}\)" in diameter x \(6\frac{1}{4}\)" high. $3.95 postpaid. From Southern Crafts, HG4, Box 6116, Richmond, Va.

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En masse

Designed to hold credit cards, commutation tickets, snapshots, etc., this sturdy leather case is fitted with 80 see-through plastic pockets. This sturdy leather case is perfect to use on highball and cocktail glasses, on china plates and for quiet dinner parties. Per­
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Department HG4. Spencer Build­

Cars a hobby?

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fect to use on highball and cocktail glasses, on china plates and ashtrays, on tole or wooden boxes. One set of twelve decals with 3" wide cars is $1. The cars on the other set of twelve are 4" wide. $1.50. Ppd. Authentics, HG4, Box 546, Cincinnati, Ohio.

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To use as a side or dining chair, this faithful copy of a Colonial ladderback armchair has beautifully executed wood turning and a handmade cane seat. Chair, 42" high. Seat is 15" by 20". It is a two excellent finishes: honey-tone Salem or mellow antique. Assembled. $27.95, express collect. Meadowbrook, HG4, 8 West 40th Street, New York.

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Watch the time
A new addition to a beloved old favorite, an eight day clock set into a fine reproduction of an Early American wall cabinet. Solid pine finished with an antique patina is used to make the three shelf hanging cabinet which has four handy spice drawers. 25½" high x 24½" wide x 4½" deep, $45 ppd. Greenbaum, HG4, 101 Washington, Paterson, N. J.

Reproduction of Early American "Lap Board"
Replica of an earlier. This is a beautiful "Lap Board"—rectangular on your lap or the arms of your favorite chair—handsome solid wood construction, renting, rating, playing solitaire, and many other men. Very rich in quality, made of selected 5½ Birch Plywood, hand rubbed finish in Early American honey-tone color. The reproductions on both sides of the board are hand screened colors, in the brown tones. Size 10" x 30".

By Lantern light
Add a romantic touch to gatepost, terrace or porch with a Spanish candle lantern. Handmade of wrought iron, it has a hammered finish and delicate filigree ornamentation. Light panels are beaded amber glass. All metal parts finished in weather resistant black or bronze paint. 14" h x 8" w. $5 complete with bracket. Old Mexico Shop, Santa Fe, N. M.

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AROUND

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**GOOD COVER**
AROUND

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**Kitchen proud**

Add a charming touch to a Provincial kitchen with this pine plant and towel rack. Carefully made of selected wood, it is finished in wax. Bar will hold standard size roll of paper towels. Trough is metal lined and designed to hold potted plants. Arrangement of flowers or fruit. $13.50 x 13 x 5. $5.30 ppd. Mail order to HG4, 4007 Detroit Avenue, Cleveland 13, Ohio.

**To your health!**

If you are in the pink, this gout stool will improve your well being. Designed and proportioned to relax the legs and feet, it has solid mahogany legs finished in brown or blond, and a textured tapestry cover in a choice of green, red, brown, citron or champagne. 15" by 12" by 22". $16.50 ppd. Lee & Martha Snyder, HG4, Box 85, Station 30, Cincinnati, Ohio.

**Under the big top**

Decorate your next party cake with a carnival air. Under a gay red and white striped paper canopy, five graceful plastic harlequins dance about a splendid white plastic horse in silver trappings. On the horse's back is another dancing doll. Posts are red and white plastic. 13" ppd. Artisan Galleries, Department HG4, 2100 No. Haskell, Dallas, Tex.
NOTES FOR THE HOSTESS BY DIANA BRYAN

Have made a note to break myself of that old notion that pewter goes only with knotty pine and country living. While shopping for a wedding gift for Don's cousin in Altman's silver department the other day I came upon a beautiful pewter after-dinner coffee service. Sleek-lined, supremely simple, with warm-toned teak handles, it was from a collection of modern and traditional Dutch pewterware. Hope I can soon find an excuse for buying one of those wing-handled serving dishes, plates or platters for myself.

With spring positively upon us, we can expect the overnight guest list at our house to start growing again. Tomorrow I'm making a check of "musts" for the guest bedroom and bath. To help the absent-minded as well as friends who decide to stay at the last minute, I must be sure the medicine chest contains extra toothbrushes, toothpaste, mouthwash, hand lotion, all-purpose cold cream, hair lacquer, cologne, dusting powder, and, specifically for our men friends, an extra razor, blades, shaving cream and after-shave tonic. Should add some hangers in the clothes closet, especially for skirts and trousers, a collapsible baggage rack, a shoe-shining kit, a small spot-removing outfit, and, as chill-chasers, a hot water bottle and extra blankets. Top drawer stuff: stitch-in-time sewing materials plus-safety pins and facial tissues. Know these small kindnesses will be a great help to guests as Don and I have found many of these in other homes and they certainly have made us feel welcome.

First meeting of the Good Books group gathered at Adele Hochling's last Tuesday noon and things certainly got off to an auspicious beginning with a delightful lunch planned around cheese soufflé. Adele, who can't bear to be in the kitchen when any discussion is underway, had lunch all prepared before we came. Just twenty minutes before we were ready for the pièce de résistance she popped eight fluted while soufflé dishes into the oven and when each puff was done to perfection, slipped the bowls into their own bamboo jackets for serving. Her delightful finds were Ed Langbein Giftwares.

Our new neighbors, the Charbots, invited us to dinner the other night. Her reputation as a marvelous cook and hostess had already begun to circulate and so I was not surprised to see the superb centerpiece of tiny flowers and vegetables that graced her dining table. A basket of dull white pottery set on a matching pottery trivet was piled high with a miraculous medley of small flowers (violets, quince buds, tiny pompons and roses) and small, perfect garden vegetables (tight little bunches of scurched carrots and radishes, pea pods and slim beans). The pierced base had been set over a shallow container of water so that more violets and parsley could bloom in a wreath around the foot, tucked into the slits. She told us the container was a Mathildeh import she had bought for herself at W & J

Continued on page 100
Whatever the fabric, whatever the fashioning of your new draperies, you'll like the way they look, the graceful way they hang on fine, new-design Graber traverse rods. You'll like the way your draperies draw, too — the smooth, easy way they open and close with never any jerking, buckling or sticking . . . marvelous "Magic Motion" you'll bless through the years, and it's EXCLUSIVE with Graber.

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NOTES FOR THE HOSTESS
continued

Sloane. But the trick of the centerpiece, she assured us, was in the fresh look of the vegetables and the subtle small scale and balance of the flowers — something she had learned from her French mother-in-law.

** Talk about nice little gestures — it's a thoughtful hostess who keeps a good-sized cake of soap in her powder room or guest bath. Nothing sets Don off faster than being confronted with those bon-bon-sized bits of soap that skid all over a man's hand, eventually shoot off to disappear beneath the basin. Can't do much about other people's bathrooms, but I've recently rediscovered that old-fashioned Austrian soap called Wienerwald-Weißen Seife at The Tree House in New York and I am resolved to keep it on hand for both guests and family. It has a delicate floral scent that brings back pleasant memories of white-starched Sunday school dresses, too-tight pigtails and Aunt Lois bending over for a kiss, wafting an aroma of violets.

** Drove up to D's school to collect her for spring vacation. Made such good time I found myself with a few hours to spare before classes were out, so I decided to amuse myself with a little browsing in some of those marvelous little shops in Cambridge, Mass. It didn't take much persuasion at Opus 1 for me to latch on to a chastely attractive Japanese lacquered salad bowl with a full complement of little covered rice bowls. The colors went so well together, the shapes were so uncomplicatedly right, I chose a large bowl in black, smaller ones in red, blue, and cinnamon. Decided they would make a perfect gift for the Amundsen's new sailboat where breakage in the galley is always a hazard, though I can't resist thinking of the set laid out for soup or even a seafood sukiyaki on my own buffet.

LACQUER BOWLS IN MANY COLORS

DELEKATE STEMWARE FOR WINE, WATER

Just the sight of Aline Cushing's incredibly fragile Lombok crystal set the tone of the dinner she gave last Saturday night. How fantastically delicate this Austrian stemware is, seemingly blown from thin air with just enough substance to catch the light and give it shape! It takes courage to use it, though she tells me that she can replace any casualty at Black Starr and Gorham.

Aline is not an inveterate party-giver but when she decides to entertain she does it with such grace and loving attention that every detail is a small masterpiece. She is the kind of hostess who thinks place plates and lemon verbena in the finger bowls are still important, and who sees to it that the men can have their brandy and cigars away from the women.

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A new kind of luxury in portable furniture... designed to enhance the loveliest rooms—this is FLAIRE. Slim, tapered legs flare gracefully and lend added stability. The splendid padded top (35" square) is beautifully styled with patterned wipe-clean vinyl. And the edge is mitered, bound with smart white piping for elegance and protection during storage. A measure of 28¼" from top to floor brings you a new height in comfort—more leg room than ever before. New hidden telescope safety locks release with finger-tip pressure. Choose from a spectrum of 5 new fashion colors. Shown, Gala Red. FLAIRE table, $14.95. De luxe matching chairs with foam cushion seats and modern square tubing, $11.95 each.

So many good things begin with

ENKA
Yarns

This charming room speaks eloquently of a husband and wife who refuse to compromise their own good taste. This room is outspoken about their diligence in seeking perfection and reflecting it in their every-day lives, in their dress, in their home. The room holds just one secret—their income is less, far less, than you would guess.

Their secret is not complicated. For instance, their Simmons sofa. When they first saw it, they were attracted by its high back, its traditional design—and its understanding price tag. And so important, they loved the fabric. You will, too. It is excitingly luxurious, a puffed matelasse. The pattern is inviting and tastefully restrained.

The fabric is woven of Enka Jetspun yarn with cotton and saran by Sunbury. Jetspun is the modern rayon yarn with locked-in color-fastness. Its true color, built right into the yarn, has extraordinary fastness to sunlight and cleaning. The rough and tumble of children cannot ruin long-wearing Jetspun's freshness.

Frankly, we can't keep the secret either. Whatever your income, nothing will say nicer things about your room than a Simmons sofa—covered with Enka Jetspun. "Devon" sofa by Simmons available in white/sandalwood, turquoise/turquoise, green/green, brown/black, white/bone, toast/brown. About $229. AT LEADING STORES ACROSS THE COUNTRY. For name of store nearest you, write Simmons Company, Living Room Division, P.O. Box 31, La Grange, Illinois.

American Enka Corp., 350 Fifth Avenue, N. Y. 1, N. Y. • Producer of rayon • nylon • yarns • fibers

New Simmons sofa—always in the foreground
This beautiful contemporary furniture by American of Martinsville was made for you. Only wide acceptance of American's design and craftsmanship could bring you such quality—at such reasonable prices. Your choice of many exquisite groups...graciously coordinated for bedroom, dining room and living room. All so lovely to live with, yet so easy to own. The dresser illustrated is hand-rubbed walnut. A smart modern piece which reflects the soft magic of the Far East. One of many from our Legacy collection...about $206. Or ask your dealer to show you other exclusive designs created for American by Merton L. Gershun.
The history of American sterling is a tale of changing tastes. From the simple but noble utility patterns of Colonial days, followed by the classic patterns of the early republic and the delicate feminine motifs of the nineteenth century, we have come full circle to the handsome but simple contemporary patterns of the mid-twentieth century. But these have not wholly erased the memories of their predecessors—popular patterns of every age will always find staunch supporters and one of the best examples is Towle Silversmiths' leading design, Old Master.

In this pattern, first introduced in 1942, Towle has recaptured and preserved the delicacy, richness and refinement of the Victorian Age. The classic leaf, scroll, fluting and rosette embossed on the handle of Old Master and its gracefully curved fiddle-shaped tip are in the design language of the nineteenth century. The complete service includes sixty-six place and serving pieces, among them typically Victorian tools such as a candle snuffer, poultry shears.

Towle, the company that makes Old Master, can claim a heritage that goes back to the earliest days of American craftsmanship when gold and silversmiths were not only master artisans but local bankers. Anthony Towle, the founder, began his apprenticeship with William Moulton, the sixth generation of a family of silver craftsmen tracing its origins in Newburyport, Mass., back to the 1600s. In purchasing the company from the last of the Moultons in 1873, Towle also inherited the traditions of this 200-year-old family business.

CHARMING Table Lamp recalling the classical and more important metal urn Oil Lamps of the 18th Century. Antique fine brass finish. Tall Edwardian concave shade of off-white ribbed fabric. 36" to top of shade. About $50. Descriptive literature sent upon request addressed to The Stiffel Co., Chicago 10, Ill.
CONNOISSEUR'S CORNER

WASTEBASKETS
Attractive catch-alls for every room in your house

A tisket, a tasket, every room needs at least one wastebasket and a handsome one is the best antidote for the inveterate litterbug. For practicality's sake, insist on a container of generous capacity with a firmness that resists toppling when filled, and a reasonable weight for carrying and emptying. (Note that the larger baskets here are thoughtfully equipped with handles.) And don't be afraid to use striking colors, unusual textures and materials. The far-from-lowly wastebasket can be an important and effective accent.

Traditional brass with head molding and channeled rim makes an appropriate receptacle for a formal living room. Brass rings permit handling without marring lacquered finish. 11 1/4" tall, 10" diam. B. Altman. $25.

Natural rush in a deceptively fragile-looking basket is a becoming addition to a bedroom or sewing room. Airy open weave invites a pretty liner or interlaced ribbons. Mexican import. 10" tall. Merrill Ames. $3.50.

Hand woven of grasses from Yugoslavia, this sturdy basket is equally at home with Georgian or French Provincial furnishings. It takes to a coat of spray paint beautifully. 11 1/4" tall, 11" diameter. Merrill Ames. $4.95.

Hand-painted tole in reproduction of an 18th century Belgian container is equally at home with Georgian or French Provincial furnishings. Antiqued finish mellows black, cream or red background. 11" tall, 13 1/2" across top. B. Altman. $12.95.

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SIMMONS $
Solid chestnut, bound together with bentwood hoops in the best traditions of cooperage, makes a king-sized holder for waste or kindling. With hand-made brass hardware, oil finish, oval shape to fit in tight spaces. 17¼" tall, 10½" diam. Serendipity-3. $30.

Classic découpage and gold paper trim a metal wastebasket that enhances an elegant, traditional room. Holder combines handsome proportions with steadiness and a generous capacity suitable for an umbrella stand. Green background. 20" in height. Chillingworth. $20.

Laminated wood, teak on the outside, birch on the inside, makes a waste pail of simple, contemporary lines that adapts itself to any room. Also available in: all-teak or all-birch. With dull oiled finish. 12¼" tall, 10½" diameter. Bloomingdale's. $10.

Inlaid leather in a bucket with incised gold leaf motifs and scoop rim makes a distinguished addition to a traditional setting. Brass hardware picks up gilt trim; maroon leather has high glaze finish. Slim, 11¼" high, with broad base for steadying. Italian import. B. Altman. $35.

Wood sapling strips, hand woven into a basket of wonderful texture and irregularity, provide contrast for sleek contemporary furnishings. Basket is steel-framed for strength, 17" tall, 15" diameter. McCutcheon's Specialty Shop. In natural. $4.50; in four colors, $5.50. For store addresses, see page 191.
House & Garden’s Travelog

A DIRECTORY OF FINE HOTELS AND RESORTS

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A private pleasure-land for discriminating guests from all over the world; the hotel and grounds occupy all of historic Point Clear on Mobile Bay. During the century before the present modern hotel was built, two other fashionable resorts on the same spot established a tradition. On the 330-acre estate, guests enjoy club privileges and championship course at Lakewood Golf Club, as well as sailing, power boating, private beach, tennis courts, and lawn bowling. American Plan. For color brochure and reservations, write James E. Pfeifer, Resident Manager, Grand Hotel, Point Clear, Alabama. (Harvey Stevenson, Vice President.)

ARIZONA

TUSSON


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NORTH CAROLINA

CASHIERS


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For over 200 years, memorable moments have been celebrated with MOET Champagne. MOET comes to you from the 15-mile cellar of Maison Moet & Chandon, whose property includes the Abbey of Hautvillers—the birthplace of champagne.
Like a haunting melody, the expressive beauty of your Molla furniture lingers in the memory of every guest. Highest form of flattery for any setting, modern or traditional. In color tones that serenade the eye.

EDITOR'S NOTE: The editor of H&G's French cousin, Maison et Jardin, makes frequent jaunts to Switzerland, both on business and on holiday. A Virginian by birth and a long-time resident of New York City before moving to Paris, Mr. Kernan is uniquely qualified to alert H&G readers on places to go and things to look for in the country of cantons and cheeses.

Everybody knows that Switzerland has more ski-lifts per square mile than any other country, and midsummer mountain climbs that challenge every degree of skill. But the tourist agents don't make nearly enough of it as a very pleasant, often very beautiful land, where the non-athletic traveler, or the tourist out of season, finds a remarkable gamut of civilized interests. It is, to start with, one of the few countries where, if you don't wish to drive farther at sundown, you can put up at any village inn and be sure that you will find soft beds, clean toilets and a spot of warmth should the night turn cool.

To me personally, the charm of Switzerland springs from its curious variety, a result of the geographic and historic facts that have created this island in a world of voracious neighbors. The tunnels and engineered roads that we know today are comparatively recent; they date from the 1890s. But from Roman times, a heavy commerce between Germany and Italy toiled across the gorges, and the armies of the Holy Roman Emperor, of France, of the Hapsburgs, of Milan, of Savoy fought for the possession of a pass or the mastery of a fief in the central plateau. Cultural and artistic influences as well as immigration lapped over the mountain barrier from three sides—from Germany on the north, Italy on the south, and France on the west—so that modern Switzerland is a land of three racial strains and four official languages. (The fourth language, in case you are curious, is Romanche, spoken by 30,000 people in Canton Grisons; it is not a dialect, but the survival of a separate Latin tongue.)

Cultural variety

The different languages need not concern you too much: most people in hotels, restaurants and large city shops speak English. What is interesting is that all fea-

Contemporary version of a Swiss chalet was built for American Author, Irwin Shaw, at Klosters, the popular mountain resort.
turedes life—the architecture of the houses, the gardens, the town planning, the color schemes, the way people dress, and above all the food—are also influenced by France, Germany, or Italy as the case may be. Only a universal orderness and a certain calm efficiency make you realize that you are really in Switzerland.

In contrast to the other cities of Europe, the old patrician quarters of the Swiss cities have not been degraded into workshops or slums (I think of the Marais in Paris, the Via Giulia in Rome). The ancient homes of bankers and merchant princes have been remodeled or enlarged, and sometimes architectural periods trip over each other, but they have at least been preserved. The most distinctive feature of the Swiss house is usually the oriel, or bay-window, protruding from the upper story, its woodwork or masonry richly carved or painted with Gothic, Renaissance, or classic details. But, like everything else, such houses betray German, French or Italian influences, according to the region.

The most original expressions are in the country houses, some of them centuries old, sturdy and well maintained, confirming the solidity of their farmer owners. The wooden country houses of the Bernese Oberland have broad overhanging roofs covered with shingles, held down with large stones. The protruding rafters and the exposed beams are elaborately carved, the shutters are gayly painted. Proud of such refinements, the Swiss farmer used to refer to his schall or little château, whence the word chalet has entered a dozen languages as synonym of wooden mountain house.

In the Lucerne region, the houses have steeply pitched, high-gabled roofs. The ground floor is raised by a wooden exterior staircase. In rainy Appenzell, the habitation and the barn, both enormous, are at angles to each other under a single roof, so that the farmer can reach his animals without going outside. In the Valais, the village houses are four or five stories high, with a family on each story. The living quarters are in a wooden structure joined by an outside gallery to a wing built of stone which traditionally contained the kitchens—not a bad fire-protection idea. In Northern Switzerland many houses have frescoes on the exterior, usually religious scenes, like those one finds in nearby Bavaria. On the other hand, in Canton Grisons, elaborate geometric or floral ornaments are executed in sgraffito: an underlayer of gray stucco is covered by a layer of white and then exposed by a masterly play of the trowel which works out the chosen...
Window dressing

Brightly painted shutters liven the façades of most Swiss houses. It is the custom for official buildings and historic monuments to have shutters painted in herringbone design with broad stripes in the colors of the canton: white and green in Vaud, red and white in Valais, yellow and blue in Grisons.

If the Swiss did not invent the flower box, they have carried it to its greatest development. Not only does every private dwelling have them, but business establishments sport them as well—even lamp-posts. Curious vertical gardens have been invented with flowers growing in vast baskets of sphagnum moss on the sides of buildings. One never sees elsewhere such colors as those in Swiss annual flowers, especially petunias, snapdragons, pansies, begonias—colors as those in Swiss flowers never seem so colorful. And in Europe including England, the paradise of the rock garden, plants started with the work of the greatest development. Not only the French nurseries at Unterriex, but the great Genovese garden which still exists at the IHS's created a famous rock garden which Menry Correvon of Geneva who had already varieties—for observation garden design in Switzerland is going through a change. Until professional gardeners «in the great estates sloping down to the lakes, of trimmed boxwood and circular beds in the lawn filled with perennials, petunias, cannas or scarlet sage. But since the war, as gardeners have become more expensive and rarier, the property-owners themselves have taken more interest in their gardens and have learned how to replace the time-wasting formulas. In formal gardens containing old specimens of box and yew, they have maintained the French outlines but eliminated the seasonal interplanting. Elsewhere, they have gone for English-inspired shrub-and-perennial gardens. A still newer trend—it dates back only six or seven years—has been the Japanese-inspired garden which has also made a great impression on Germany. Since there is nothing that Switzerland has more of than stones, water and Propagation, Correvon's own rocaille in Geneva no longer exists, but the great Genovesen gardener known as the Ariana is one of the most interesting in this speciality. As for perennial plants, I think that the best collection today on the continent (carefully excluding the British Isles) is at the Hofmann nurseries at Unterriex. Although this is a working nursery, not a garden, one is glad to make new acquaintances which, alas, the U.S. Department of Agriculture will not let you ship home.
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Rogel's International Thesaurus ed. Rogel, Peter M. New York: 1946; Crowell Co. $5.
Rogel's Pocket Thesaurus (Based on Rogel's International Thesaurus.) New York: Pocket Books. 35 cents.


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Perhaps the most illustrious mem­bers of the encyclopaedia family are the many-volume sets of Brit­annica, Americana, and World Books. But for anyone with a small shelf and a slim budget there are several other worth­while choices which are handier in size and somewhat more eco­nomical in price.


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SHAKESPEARE

The Tragedies of Shakespeare 2 vols.
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Special reference books

ART


HISTORY


POETRY


(Metropolitan Opera Guide Peltz, Mary Ellis and Lawrence, Robert, New York: Modern Library. $2.95.

MYTHOLOGY

Mythology Bulfinch, Thomas. New York: Modern Library. $2.95.
The Larousse Encyclopaedia of Mythology New York: Putnam. 1959. $15.

POETRY

(Note: All three books are indexed by first lines, authors, and titles.)

Continued on page 193
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THE KEY TO SUCCESSFUL REMODELING

To remodel means "to model anew, to reconstruct." And what would life be without the magic of modeling anew? From early childhood, we rejoice in spectacular remodeling projects. Was there ever a more noble steed than a remodeled dray horse named Black Beauty? Or a more magnificent swan than the Ugly Duckling? Who can remain unmoved by the "before" and "after" pictures Dickens etched of those immortal waifs, Oliver Twist and David Copperfield? Or those of the fair lady whom Shaw called Eliza Doolittle?

In every magical remodeling, you find two essential ingredients: a hidden potential, and the creative spark to make it come to life. You may very well have such a hidden potential right under your own roof; millions of families do. For a house, like the people who live in it, is always susceptible to dramatic change. While a family normally expands (both in numbers and interests), a house seems to contract (both in size and facilities). Isn't it true that after we've been away from home for even a short while our houses look different, a trifle scaled down from room to room? Remodeling can produce exactly the opposite effect. Rooms can be re-shaped to give more space and better space. Equipment can be replaced to give you better service. New materials can be added to summon any mood you wish. Most important of all, when people discover the hidden potential in their house, they create a rich opportunity to model anew their whole living pattern. For when an aging house is remodeled to shine and sparkle, it provides a fresh and stimulating atmosphere in which a family can shine and sparkle, too. Look for clues to the remodeling potential of your own house on the next forty pages.
When is REMODELING

A practicing architect points out certain basic factors you should consider—whether you are thinking of modernizing an old house or merely revising your present house to meet changing family needs.

Your family has changed. (What family doesn't?) You have been trying to decide whether to build a new house or buy an old one—whether it makes more sense to stay put or to move away. If you live in an old house now, it may, just possibly, be smarter to turn it inside out and upside down, tear out and replace most of its plumbing, wiring and heating and go into debt while doing it—than to pack up and move to Jonestown on the outer fringes of suburbia.

There are a good many different factors that will influence your decision, and some are obvious. (Everybody knows that you are supposed to look at the beams—but unless you know a lot about beams, you'd better get someone else to look at them.) Yet the single, most important factor in deciding whether or not to remodel is often forgotten altogether or put somewhere at the bottom of the list. That factor is location. Location is so decisive that, in some cases, a good location should persuade you to stay where you are—even if it means tearing down your old house and starting from scratch.

City-planners, when talking about the growth of American towns over the past couple of decades, like to refer to something they call (rather indelicately) our “suburban sprawl.” The suburban sprawl is Jonestown, and its outer fringes are where, in all likelihood, you would have to look for a new house or available land. To put it another way: If you live in an older house in one of the pre-World-War-II suburbs—or even if you live in one of the very small houses built immediately after V-J Day—the chances are you are living half way between today's suburbia and downtown. This fact alone may save you a total of an hour or more each day in commuting time (assuming that you work downtown). Most hardened commuters from and to the outer fringes of our cities would give a great deal for that extra hour each day. So there is the first reason for staying in your present location—a reason you may not appreciate fully until it is too late.

The next reason for staying put or for buying an old house is almost as compelling: one of several crimes committed by recent suburban developers is to chop down every tree outside your wide, new picture window. (Most developers have tried to make up for this by planting telephone poles at 100-foot intervals, but these rarely sprout leaves.) If you live in an old suburb, your house is probably surrounded by fair-sized trees that took many decades to grow to their present height. To understand what these trees represent in terms of dollars and cents, you should realize that it may cost as much as $100 to buy and transplant a 20-foot high maple—and astronomical sums to transplant the really big ones. So, unless you live in Southern California (where everything grows to towering heights overnight), you should think twice before leaving your old garden behind.

There are many other reasons why location is of primary importance: friends and family ties, neighborhood schools, churches, clubs and other institutions that you might miss in outer space. It may be, of course, that the old neighborhood has been going downhill. (One good way of finding out—if you don't know—is to ask your local bank: mortgage bankers have an uncanny feel for such things as urban decay.) Yet even if your neighborhood seems to be on the skids, you and your friends may, just possibly, put a stop to the trend by concerted effort. Places like Georgetown in Washington, D.C., and College Hill in Providence, R.I., went through some lean years only to become very desirable again when people realized that the outer fringes of suburbia were not all they had been cracked up to be.

In short, remodeling might make sense for a great many people who either live in—or buy—an old house. Regardless of whether the house is antiquated and unmanageable, or post-war and too small, it may be worth remodeling if its neighborhood, street and garden are worth hanging on to.

Having decided that the location of the old house is a distinct asset, you should next take a look at the house itself to find out what sort of shape it is in. Or, better still, get an expert to take a look at it for you. Over the past fifteen years or so, remodeling has become quite a big business, and there are many contractors in every town who have become experts at this business. Go to one with a good reputation among his past customers—or to a local architect if you can find one who specializes in remodeling—and get him to look the old
WORTH WHILE?

By Peter Blake

place over. Even if you have to pay a nominal fee to an expert, his report may save you a great deal of money later on.

You yourself can find out a lot about the condition of an old house if you know where to look. For example, it may be hard to get at the studs, joists and other framing members, but you can tell a good deal about them from the silhouette of your house. Walls that bulge slightly, or roofs that curve gracefully along the ridge-line may hold a certain, irresistible charm for you, but they may also hold termites and other troubles. In any case, it will pay to make sure.

As for the operation of the mechanical equipment in your house, you are probably as familiar with that as anybody else. If your old house has the kind of heating system that uses "one pipe" steam radiators with a valve at one end, you may be fed up with having your rooms filled with stale steam every time the valve opens up. In that case you may have to put in new valves (which costs very little) or a new heating system (which costs much more). If your old plumbing system spouts a kind of thin beef bouillon at regular intervals, you may wish for a more appetizing sight in the morning; if so, you may have to replace your water pipes and your water heater. And if your wiring tends to heat up to a fine, reddish glow whenever you plug in all the new gadgets and appliances you have acquired in the last few years, you should either run to the nearest licensed electrician or double the fire insurance on your house and its contents. In either case you will have to spend some money.

There is nothing cheap about remodeling an old house. Just to rewrite the place may cost you as much as $850; putting in a new heating system (Continued on page 210)

HOW TO FINANCE YOUR IMPROVEMENTS

If you want to borrow money for a remodeling project, there are four methods to choose from. Before considering your application, however, most lending institutions will require a full set of blueprints and specifications. And since lending practices and interest rates change frequently, it would be wise to check the situation with various lending institutions in your area when you are ready to remodel. The rates noted below are those in effect at the beginning of 1960.

1. FHA "TITLE I" HOME IMPROVEMENT LOAN

What is it? A personal note insured by the Federal Housing Administration.

How much can you borrow? Top limit is $3,500, repayable in equal, monthly installments over a period of 5 years and 32 days. Loans of less than $600 are repayable in 3 years and 32 days.

Where do you get it? From almost any local savings institution or commercial bank—through most remodeling contractors or lumber yards.

Advantages: Very easy to get provided you meet the credit qualifications.

Drawbacks: $3,500 will not pay for a great deal of remodeling (possibly a new kitchen and bath, or an added bedroom). Interest rates are rather high: $5 discount per $100 annually on any amount up to $2,500; $4 discount per $100 on remainder over $2,500 (on maximum loan of $3,500 for 5 years and 32 days, monthly payments would be $71.89). Purpose for which money may be spent is limited to basic remodeling, excludes extras such as swimming pools, greenhouses etc.

2. A NEW MORTGAGE

How do you get it? Chances are, the bank that holds your present mortgage will be willing to refinance it—that is, to give you a new mortgage for a higher amount.

Advantages: You can probably obtain more money than you could with a Title I loan. Repayment can be spread out over a longer period and interest rate will be lower. Your monthly mortgage payments will be simplified since your indebtedness will be consolidated in one loan.

Drawbacks: Your new mortgage is likely to be costlier than your present mortgage since rates are higher today. You will also have to pay mortgage closing costs again.

3. AN OPEN-END MORTGAGE

What is it? A mortgage containing a provision that the borrower may secure future additional advances from the lender up to, but not exceeding, the original amount of the mortgage.

Where can you get one? From any bank that writes such loans—generally an institution in your own community.

Can you convert your present mortgage to an open-end? Probably—by negotiating with the present holder.

Advantage: Savings in cost of title insurance, legal services and recording fees when additional advances are obtained.

Drawbacks: Amount you can obtain at any one time is limited to the difference between the unpaid balance of your mortgage and its original amount.

4. COLLATERAL ("PERSONAL") LOAN

What is it? A loan for which you post stocks, bonds or life insurance policies as security.

Where do you get it? From any commercial bank.

Advantages: Lower interest rates and few, if any, restrictions on purpose for which money is to be spent. The amount you can borrow is limited only by the worth of your collateral.

Drawbacks: As a rule, collateral loans are made for comparatively short periods, but they can be renewed.
How to MAKE AN OLD HOUSE NEW

The strategy in this Victorian house:
to eliminate major flaws, camouflage the minor ones

When a growing family takes a powerful fancy to an old, down-at-the-heels house, you can be sure they are captivated by the vision of a magical transformation. High ceilings promise a roominess you seldom associate with new houses. Intricately parqueted hardwood floors may be badly battered but by no means beyond redemption. Small and boxy rooms sometimes can be merged, perhaps with minimum structural changes, into one spacious and flexible area. Nearly all things are possible in an old, basically sound house. But the real thrill of remodeling comes when you can achieve great new effects with imaginative solutions and limited means. This often calls for the politician’s art of intelligent compromise: You make your major changes only where they will correct major flaws. The minor flaws you hide with new transforming materials, patterns and textures. Wood paneling can enclose new storage walls; plastic finishes can revive kitchen walls and counter surfaces; an ever-widening range of bright and durable floor coverings can put worn flooring out of sight, out of mind. And a paint brush can be your magic wand.

All of these techniques were included in the remodeling strategy of architect Robert B. Marquis when he did over an 1880-vintage house in San Francisco for his own family. Though obsolete, the house was not outworn, and any design drawbacks were overbalanced by some obvious advantages: a city location near schools and office; a spacious interior, 74 feet long with 11-foot ceilings; and four bedrooms and two baths upstairs. How Mr. Marquis’ remodeling strategy worked can be seen in the living room, opposite page, and in other first-floor rooms on the following pages.

ON THE STREET SIDE of the house the simplest changes were made—a new front door, a resiledged wall, new paint on windows and trim. The entrance is through the street level arch next to the garage, which had been built conveniently under the house in an earlier renovation. At the rear is a new terrace (see shaded area of plan, far right) which is both seen and entered from the remodeled children’s playroom. The major structural changes in the house consisted of removing a wall and cornice in living area (see dotted lines on plan) and altering kitchen.

In remodeling portfolio here and on following 20 pages:
All floor plans show size and shape of room after house has been remodeled.
Dotted lines indicate walls which have been removed. Gray areas indicate new additions.
LAVISH BOOK WALL AND FLOOR-LENGTH WINDOWS were two objectives achieved by remodeling in living room (for others, see next page). The shelves, which also house hi-fi equipment, look recessed because front edges are flush with new redwood paneling that was built out several inches from original wall. Windows were extended to floor and fixed glass panels substituted for movable sashes. Outside, in narrow space between windows and wall of house next door, a wooden deck was built to hold potted plants.
You can create new spaciousness by removing unnecessary walls

Even though you know a wall can be safely torn down, you need the courage to be ruthless. One wall and an arch were removed to create this expansive livable room, nearly 32 feet long and 20 feet wide. But the “creative demolition” didn’t stop there. Off came the wood wainscoting from the walls of the adjoining dining room, and the fussy rosettes and cornices from the ceilings. Off, too, came the ornate stairway balusters, which were replaced with straight ones. Finally, with new dimensions and uncluttered surfaces achieved, the actual rebuilding began. A long work table with hardboard top was cantilevered from the stair wall, and two shaded lamps hung from the ceiling. Above the table, the stair wall was faced with burlap-covered wallboard to serve as a bulletin board. Because it was impractical to patch up the old wood floors where the walls had been removed, the entire area was covered with cork tile. In the back wall, next to the stairs, a new storage recess was built to hold a Japanese tansu for stationery. General lighting was provided by new square fixtures set in the ceiling.

OLD BARRIERS to up-to-date living were the wall that enclosed the long, gloomy stair hall, the ornate arch and the thick cornice that divided the two small parlors. For structural support, the walls were replaced by the large post and ceiling beam next to the stairway, right. The paneled sliding doors to the dining room were left undisturbed since successful remodeling calls for knowing not only what to get rid of but also what to keep.

Continued
You can make room for children’s play near the center of family living

ONE BIG KITCHEN PLAYROOM with easier access both to the outdoor play area and to the dining room was achieved by a series of moves in the back half of the Marquis long narrow first floor (see plan, opposite page). Originally the space was divided into two rooms, right: a kitchen and, behind it, a breakfast room. The two were made one by removing major part of wall between (from outside wall to left of doorway, right). Windows of assorted sizes were replaced by seven new fixed windows extending from counter height almost to ceiling, and outside door was relocated from old kitchen, right, to play area (see plan, opposite page). The dual result: a wonderfully bright place for children to play where they can be easily supervised; a new and brighter kitchen which seems even more spacious because it opens to other rooms at each end. Oven and burners, cabinet and shelves were built into left wall of new kitchen, above, and a new island counter with sink and built-in griddle was installed nearby.
TO THE BRICK-PAVED PLAY YARD at the back of the house, the children can run in and out through the new door from kitchen-playroom, and Mrs. Marquis can easily keep an eye on them from the kitchen. This city garden is practically maintenance free; it includes several planting areas for slim white birches and bushes which take care of themselves. Landscape architect, Laurence Halprin.

EVA STOLLER

TO THE DINING ROOM, food can now be brought directly from kitchen without having to be carried through small hallway that formerly led to dining room door, left. Door was closed off, and wall between dining room and kitchen (left of chimney breast) was removed and replaced by folding door (see plan, far left). Window at right of fireplace was enlarged and replaced by one fixed pane and a glass door to deck and play yard—thus drawing into one orbit the cooking, dining and children’s play areas. Dining room was transformed simply by removing dado and ungainly mantel, framing fireplace with brick.
REMODELING

How to OPEN UP WITH WINDOW WALLS

Even to a house of the Twenties you can add the contemporary assets of light, air and a view

If you happen to own a middle-aged house of Spanish, Tudor or Colonial persuasion, a few judicious alterations often can give you the present-day benefits most such houses lack—light, air and a pleasant new affinity with your outdoor surroundings. How do you go about accomplishing this? In most cases, you concentrate your attention on the main living areas. Small, cramped windows are replaced with larger ones; or whole solid walls are removed in favor of new floor-to-ceiling glass panels. Naturally, a new glass wall must justify itself by providing a worthy view. Your view can be a natural vista or an intimate enclosed garden, but in either case it should be peaceful and private. Don't neglect comfort. Your new glass area should have shading devices to keep out the hot summer sun, perimeter heating to keep you warm in winter. With vastly increased daylight in a glass-walled room, new night lighting—indoors and out—invariably needs to be added, too. In remodeling the Samuel H. Maslons' lakeside house in Deephaven, Minnesota, architect Ralph Rapson proved that new window walls can add a delightfully modern outlook to a 35-year-old house without compromising its style.

OLD ENGLISH CHARACTER was not basically changed by remodeling. To clear the way for new window walls, below, lower half of old brick bay was removed and end wall of living room was knocked out. Other major changes included a new dining room window wall, a new glass-walled alcove added to the living room (see plan). Finally, the former commonplace back yard was converted into a well shaped paved terrace which spans 44 feet outside the living and dining rooms.
BROAD, PRIVATE VISTA of trees and a lake could scarcely be seen through the pokey panes of the living room’s original bay window. After demolishing the entire end wall of the room, the architect extended it by 6 feet with a glass bay, above, which affords a full half-circle view. Hot summer sun was combatted by two devices: sliding shoji screens and a wide roof overhang on all three sides. To withstand cold Minnesota winters, new heating was added at the base of all glass walls so that they can be blanketed with warm air. A steel girder was installed to support the second story brick bay, which was left intact. To conceal the beam, a new living room ceiling of acoustical plaster was applied, and, at the same time, a new series of ceiling fixtures was added—both for general lighting and for highlighting paintings and sculpture. A second major living room alteration involved removing a 10’ section of the long side wall of the room and adding the conversation alcove, left, which has one glass wall on the end that faces toward the lake, and another glass wall at the opposite end.

Continued
How to GIVE PRIVACY TO THE FRONT OF YOUR HOUSE

You can screen it with an entrance court

In suburban houses built thirty or forty years ago front porches and first floor windows faced the street because the outlook was pleasant, cars and passersby were few. Today, these houses (and some new ones, alas) need a screen to give them privacy from constant traffic. A fine solution, if your building code allows it, is a front wall and gate. They will shield the front door and windows and the land between can be a delightful entrance court, an area serving as a buffer to the street. These are what architects Harold Levitt and Ernest Le Duc added to the Martin Horrells’ Los Angeles house, and they are wholly congenial to the style of the house.

NEW BRICK WALL with a double gate framed in marble was built 11' high along curving street line of property, above left. The gate has both a doorbell and inter-comm., is unlocked to callers by a control in the house. The original stone arches of the porch (SEE BEFORE) were removed without changing roof. Front door and adjoining windows were replaced with glass panels looking out on pool, below; overhead trellis was installed in court.
ROOM WAS LENGTHENED 5' by removing partition (dotted lines on plan). The chimney was opened and a fireplace built in it, using existing flue. Next step was concealment of heating and water pipes with a wallboard ceiling around perimeter of room; canvas, draped tent-like in center, permits access to pipes. Flush doors were installed; plaster walls patched, painted yellow; so were big cabinets left from basement kitchen days.

How to PUT YOUR BASEMENT TO BETTER USE

You can add a family room or playroom

The search for extra space is the compelling factor behind most remodeling. Yet in many houses space in the basement goes begging because there is a bugaboo that basements are damp, dark and undesirable. Today, however, an air conditioner, a fan and dehumidifier can cope with moisture and mustiness. And good lighting, new wall and floor surfacing materials, built-ins and a free hand with bright paint can create a basement room that is ideal for romping youngsters or teenagers. In Mr. and Mrs. Frank Taylor's big 1887 house in Greenwich, Connecticut, architect Spencer Johnson applied some of these devices in a playroom for four young boys. From what had once been a basement kitchen, then a dingy, pipe-festooned cellar, he fashioned a gay room that is fun for the children and saves wear and tear on the living rooms upstairs.
How to **TURN AN EMPTY SHELL INTO A WONDERFUL HOUSE**

Often an ugly structure can be converted into attractive living space.

Any recipe for successful remodeling should include the intangible factor, imagination. It is the wonderful ability to see beneath the surface that can produce the best results in converting a sound but dull building, such as a barn, carriage house or garage, into a livable house. This Cambridge, Mass., house is a good example. Formerly a commercial garage, it was transformed with only one major change in the exterior—a new glass wall. What the perceptive architect, Paul Rudolph, saw in the original building was the luxury of sheer, unencumbered space—3,000 square feet of it—enclosed in a sound shell. Steel trusses held up the roof so there was no tangle of inside walls to remove (in most remodeling you pay twice—to tear out and to replace). The interior was divided, by wallboard partitions, to meet the needs of a family of five: Mr. and Mrs. George McCandlish and their three small children. Two baths and six storage walls insulate the bedrooms from each other. But the delight of the house is the great central area—the living-dining room and 37-foot long indoor greenhouse which are separated only by a new fireplace and glass walls. Warmed by new radiant-heated terrazzo flooring, this huge space seems like an enclosed terrace. Outdoors, the house is screened from the street by a courtyard and fence.

**PREVIOUS INCARNATION** of house was a stone garage, above. 64' long x 52' deep. It stood, with big Victorian houses behind it, at a dead end of street. In remodeling, the long stone front wall with doors, windows and parapet was taken down and replaced by steel posts and beams to support roof trusses, and by the great glass panels and five glass doors that form new front wall. Two small windows and a plastic skylight were the only additions to the other stone walls and the roof. To shield rooms from view a high fence with an entrance gate was built along street line of property (see sketch, opposite page). Interior was divided into four bedrooms, two baths, a study and kitchen-laundry flanking a 37' x 37' living room, and a skylighted greenhouse.
Marvelously spacious, light and airy, this huge living-dining room, 15 feet high, was created from a dark, closed-in garage. The tall brick fireplace is new as well as the glass walls flanking it which are show windows for a greenhouse where camellias, oleanders, fig, lemon and orange trees flourish under a skylight set into the original roof. The garage roof trusses were retained and painted black; the terrazzo floor was added.
REMODELING

How to MAKE THE SPACE YOU HAVE MORE FLEXIBLE

A few large open areas are more adaptable than a series of box-like rooms
CONCEALED FIREPLACE AND STORAGE were incorporated in one ingenious wall-hung cabinet, above. After old mantel, opposite page, was stripped off, fireplace opening was made smaller by blocking in lower section to allow for raised hearth. Sliding doors close off fireplace when not in use (see sketch, left).

DRAMATIC NEW SPACE, bright and open, was the result of tearing down the wall between living and dining rooms (see BEFORE, opposite page), removing heavy cornices, enlarging windows on three walls, adding carefully-thought-out pattern of recessed lighting for Mr. Mitchell's fine art collection. In addition, a new study was created off far end of the living area, right, by removing long wall section and replacing it with solid sliding doors (see plan). In place of old living-dining cross wall, steel-framed screens of metal mesh were installed as a subtle divider. When screens are open, right, dining and living areas become one great space. When closed, back-lighting makes the screens almost opaque, provides privacy for dining area, left.

Space has its intriguing paradoxes. When divided by a series of walls it seems to shrink because you can use the rooms only for limited purposes—and only one at a time. The same space in a single room, on the other hand, often gives you surprising flexibility. In many older houses, an expendable partition or two can make the difference between a narrow, arbitrary living pattern and an open, highly versatile plan. Once you make the decision to tear down a wall, you can achieve flexibility in your new and larger room by means of visual boundaries that can be decorative and movable. Screens, furniture groupings, variations in lighting, planting and art objects—all these are your allies, just as they were designer Ward Bennett's in remodeling the New York home of Jan Mitchell, owner of Luchow's.

Continued
REMODELING

How to ENLARGE
A DEVELOPMENT HOUSE

Adding space to the living room can also give you an entrance hall and a better dining area

Many houses built in real estate developments after World War II were inadequate in size and poorly planned. But a heartening number have now been remodeled into comfortable homes. What they lacked originally was space—a living room ample enough for family activities and entertaining, a clearly defined dining area, an entrance foyer to lead into the living room, a buffer area for the bedrooms. By enlarging the undersized living rooms (about the only place where general space can be added to these typical, builders’ houses of 1,200 to 1,500 square feet is at the back or side of the living room) the whole plan becomes less cramped and more livable. The Long Island, N. Y., development house of the Marvin L. Sugarman family is just such an enlargement. Designer Ward Bennett doubled their living room to 20 feet by 26 feet by including a rear porch which was already paved and roofed. When the living room was extended, the dining area became an independent ell with a new wall to screen the bedroom area, and a new entrance foyer was created and paved in brick.

IN DINING AREA four sliding panels of plastic, right, were installed to create a hall which would give privacy to the bedrooms. Attic stair (see before) was torn out, increasing dining area. Shelves, at left of original stair, were removed and walls and ceilings painted white. Remodeling made the dining space a well defined area, not just an end of the living room. Ceiling in front of chimney was raised and a large skylight installed to admit light to center of room. Bookshelves opposite indicate place where 16' extension of living room starts.

AFTER

BEFORE

LEONARD

HOUSE & GARDEN, APRIL, 1960
NEW ENTRANCE FOYER was paved in brick to define the area clearly. The brick is an extension of original narrow fireplace hearth (see BEFORE). Bar next to fireplace was replaced by brick wall, at left, above, pierced to let light into kitchen adjoining. Wood boarding, painted white, was applied to front wall and front door, at right, above, and was used for folding doors of new hi-fi-TV cabinet in existing closet.

LIVING ROOM was extended 12' to 16' and new brick wall, bottom, opposite page, was built at end. (Dotted lines in center of living area on plan indicate original outside wall of room.) On adjoining, south side, a window wall was installed. New asphalt tile was applied to floor of the whole room.
How to ADD A BEDROOM AND BATH

One solution is a self-contained wing

One of the puzzles that may confront you when you need an extra bedroom is how to join it to the section of your house where it would be most convenient. Obviously, you can build on a new room only where the size of your lot allows for expansion. But if the only place available is next to the living room and your need is for another bedroom for a child, you may feel caught in a dilemma. Sometimes it can be solved, however, by adding not one bedroom but an independent sleeping-dressing-relaxing wing for yourself and your spouse and turning over your present bedroom to another member of the family. A self-sufficient wing is apt to be more easily related to the rest of the house than a single room. And it is also possible to integrate a new wing with a new and completely secluded outdoor area as architect Enslie O. Oglesby Jr. did when he expanded Mr. and Mrs. Ethan Stroud's house in Dallas, Texas. By locating their suite at the living room end of the house, the Strouds were freer to plan exactly what they wanted.

A NEW WING containing a bedroom, a study and a large bath-dressing room, all looking out on an enclosed patio, was added to the living room end of the Strouds' house. In order to do it, they demolished the brick wall at the end of the living room (see BEFORE) but retained the fireplace and chimney. The roof of the living room was raised and the new wing was joined to it with a common ridge. A new entrance to the house forms a link between the living room and the new suite (see plan). The new private patio (2), opposite page, is enclosed by a brick wall and the Strouds can step outdoors through sliding glass doors from their bedroom (3) or from one end of the dressing room (1). Copious storage facilities are one of the luxuries included with the new suite. An intricately compartmented cabinet with drawers (4) for Mrs. Stroud serves as a divider at her end of the dressing room. Near Mr. Stroud's lavatory (6) are cabinets with concealed trays for shirts, hose and shoes, plus a medicine chest and a drop for soiled linens. The entire bath-dressing room has terrazzo floors. The countertops are of beige marble which also sheathes the walls behind the tub (5) and shower.
If you are going to the trouble of remodeling a bathroom, it makes little sense to skimp on the quality of the materials, but there are several other ways you can save money. First, plan if possible to fit new fixtures to the existing plumbing pipes and vents, for new piping will bite deep into your budget. Try to utilize the existing electrical wiring for illuminated medicine cabinets and shaver outlets as well as for overhead lighting. Do not arbitrarily replace old doors and window frames—you may be able to refinish them. And do not tamper with the existing walls of the room if you can avoid it. To build out from an existing wall is cheaper than to break into it. You can save on your wall and floor coverings too if you enclose your tub and shower to reduce splashing and cut down on the amount of waterproof materials needed. All these economy measures are demonstrated in this 6-foot by 9-foot bathroom which was remodeled by House & Garden to show that you can cut costs without sacrificing quality.

NEW FIXTURES in remodeled bath, above right, are in same spots as fixtures in old bath, above left.

PERSONAL CONVENIENCES that speed bathing and grooming can be added easily without skyrocketing the cost of the remodeling. The shaving center, above left, was a ready-to-paint cabinet bought at a local department store. Cabinet was mounted on the wall, painted, topped with a plastic-covered shelf. A hole was cut in the back of the cabinet to expose an existing wall outlet for the electric razor. Thermostatic shower control, above right, automatically protects the bather against bursts of hot or cold water because temperature fluctuations are immediately sensed and corrected. Mirrors on facing walls, center of page, increase the apparent width of the narrow room.
COUNTER SPACE, almost non-existent in old bath, was built along formerly unused wall and free-standing cabinet lavatory was replaced by recessed basin. Storage in cabinets under counter was augmented by new medicine cabinet, twice the size of the old one. Wall and ceiling around tub were furred out, faced with ceramic tile; sliding glass shower door was installed. Strong bamboo lattice pattern of new wallpaper unifies room broken up by door, window and fixtures.

For shopping information see page 194. More photographs on page 206.
Practical tips for successful remodeling

To plan wisely and save yourself money you should know the answers to these questions

What do I need to know about my house?
Everything you can find out. If possible you should have a full set of blueprints which will provide accurate information on the dimensions of rooms, the thickness of walls, the sizes of rafters, floor and ceiling joists, the location of heating, wiring and plumbing and also the materials, both seen and unseen, used throughout the house. You can get blueprints from the original architect or builder. If you do not know who designed or built your house, get in touch with your local building department which should have plans on file for all houses built in your area. If this source fails, it would be wise to hire a professional to draw up a set of plans and supplement it with a report on existing structural conditions. Armed with all the facts, you can work out a sensible remodeling plan that will follow closely the existing structural pattern of the house. Avoid tampering with walls at random since that often leads to costly reframing.

Which walls is it safe to tear down?
Non-bearing partitions. There are two types of walls in a house: load-bearing walls that actually support the structure and non-bearing partitions that simply divide one part of the house from another. Partitions may be removed without weakening the house, but load-bearing walls, since they are structural, cannot be changed as easily. Since both types of walls look alike, there are some rules-of-thumb that will show you which is which.

In a rectangular house with a gabled roof, the long exterior walls support the roof, and the major interior walls running parallel to them support the ceiling. If you can avoid altering these walls, your remodeling costs will be lower. The short, exterior end walls and the partitions parallel to the end walls are usually non-supporting and can be altered or even removed without extensive reconstruction. The most economical direction in which to expand such a home is indicated by dotted lines in the sketch below.

Rectangular house with gabled roof

If your house has a hipped roof, all exterior walls support the roof, but the interior walls parallel to the shorter exterior walls will as a rule be non-bearing partitions. To build a wing onto any side of a house with a hipped roof like the one below will require some reframing in the existing house.

Rectangular house with hipped roof

Is it ever possible to remove a load-bearing wall?
Yes—if you replace the wall by a supporting beam at the ceiling. The beam can be either steel or wood. The ceiling beam in the sketch, below, was put in place to support the roof when a load-bearing wall between living room and dining room was removed to create a more spacious effect.

Ceiling beam replacing load-bearing wall

Is it always safe to remove a non-bearing partition?
No, not always. Any wall, non-bearing or otherwise, that contains important heating, plumbing or electrical connections should be left intact. If the wall were removed, the utility systems affected would require complete re-designing, involving a great deal more expense than the cost of tearing down the wall. This is another good reason why you and your architect or builder should know as much as possible about your house before you start making your plans for remodeling it.
Is it very expensive to put in a new window?

Not if you merely replace an old window with a new one of the same size. As long as the existing lintel (which supports the wall and roof above) and the bracing (which is hidden in the wall around the sides of the window) are left in place, your only expense will be for the labor of removing the old window and installing the new.

New window replacing one of same size

If you want a new wider window, the old lintel and bracing have to be torn out, a new lintel and bracing all around the opening will have to be installed and the labor costs will be much higher. If your old window is inadequate, try to enlarge it by making it longer at the bottom without altering its width. The lintel need not be touched, and the bracing can be extended down to the new sill.

New window of same width but longer

Is there any way to cut the cost of enlarging a window?

Yes, by taking advantage of the packaged windows which greatly reduce installation costs. Today you can buy a bow window that comes complete with its own roof and fancifully carved support. All the wood pieces are pre-cut. When the carton arrives the sections are put together and the window installed quickly.

New packaged bow window

Packaged window wall and door

You can also buy a packaged window-wall-door-combination in various sizes. All trim and structural supports are pre-cut and ready to be assembled as soon as the package arrives.

Where is the best place to put a new exterior door?

Wherever you have a window. By removing the window and extending the opening down to floor level, a door (the same width as the window) can be installed without extensive alterations of the outside wall. As in lengthening a window, the lintel is left in place, and the new side bracing brought down to reinforce the larger opening.

Outside door replacing window of same width

What is the best use for a remodeled attic?

As a bedroom, a study, or for any other quiet activity. Don't plan to put a workshop with power tools in the attic—or a laundry with heavy fixtures and appliances. The floor might have to be braced to hold their weight, and the motors might set up vibrations throughout the house.

How much of the space in an attic is usable?

Less than you think. At first glance an unfinished attic presents a grand vista of future room for living. But as you can see by the cross-section sketch, below, of a typical attic, only a small area is high enough for a normal 8' ceiling.

8' high space available in typical attic

If the attic is to be finished as one large room, however, the ceiling need not be 8' high throughout. Short, 5' "knee" walls installed along the sides will extend the floor area and still provide ample head room for anyone sitting at a desk or on a bed placed against the walls under the eaves. Space less than 5' is useless except for storage.

Attic space defined by 5' knee wall

Is there a way to increase headroom in an attic?

You can raise the roof. This is simpler and less expensive than it sounds. First, the roofing is removed and the rafters loosened at the base of the attic and at the ridge. Next the rafters are lifted up and held in their new position until a wall can be built to support them. They are attached to the top of the new wall and re-attached to the ridge. Finally the original roofing is put back in place. The only new materials needed are the framing members, finished siding and windows for the new wall. Experienced construction men have been known to complete a job of this type in one day.

Attic space expanded by raising rafters

Continued on page 200
The best times to remodel a kitchen

Kitchens, unlike automobiles, do not become obsolescent the minute a new "dream" hits the market. The time to change your kitchen is when your needs change—when you move or when your family living has outstripped your facilities. Assessing your new needs realistically will save you money. If you have always been irked by an awkwardly placed range or refrigerator, or if you are desperate for more storage space, by all means revamp your floor plan. On the other hand, if working in your present kitchen is second nature to you, why alter this arrangement? You may need to do no more than replace worn-out equipment and simplify maintenance with new sleek surfaces. Kitchen remodeling, though expensive, has been made easier by the standardization of cabinet and equipment sizes. You'll find it pays, however, to enlist the services of a kitchen designer or planner who keeps files of the latest materials, techniques and equipment and who can tailor a kitchen to suit your particular needs. Here and on the following pages you'll find four kitchens which were remodeled at opportune times for four good reasons.

1. When you remodel a house

In many old-house remodeling projects, a kitchen must be fitted in where none existed before. For instance, so much of the interior of Mr. Ruel Hook's New York City brownstone had to be demolished that the house became a mere shell, just 15' wide. So the architect decided to convert the dark cramped cellar into a kitchen that would serve the living areas of a triplex apartment and help Mr. Hook to entertain easily and informally. Part of the first floor and part of the back wall of the house were removed and a modern stairway and 15' x 15' picture window were added, creating space, light and a view for an inviting interior kitchen.
NEWLY CREATED KITCHEN is two feet below two-story-high, flagstone-paved garden room which is at original basement level and opens to the outdoors. From the first floor you reach kitchen by decorative open stairway with steel balustrade, top of page. To increase impression of light, space and simplicity, the stripped-down brick walls of the old cellar were painted white.

The whole background of the new kitchen is neutral: natural birch cabinets, white and stainless steel equipment, white Formica countertops flecked with gold and silver, marbleized white vinyl tile floor. U-shaped layout, above, and right, of refrigerator, ovens, washer-dryer, sink, dishwasher and cooking top, saves steps and space, frees opposite wall for table and chairs. Beyond cooking center is the bar. Recessed ceiling lights, strip lights and ventilating fan under cabinets keep the kitchen bright and airy. Plants growing at ground level in garden room carry the eye up, out through window, right, to garden. Architect: Serge Klein. All G. E. equipment, Continued
2. When your family needs change

Intensive use soon reveals a kitchen’s inadequacies, as Mr. and Mrs. Joseph M. Brickman discovered in their house in Chicago. The family includes three adults and three boys, and they entertain often and on a large scale. Mrs. Brickman and kitchen designer Paul Decker recognized that the main work area had to be kept free of traffic and that additional facilities were needed for preparing impromptu off-hour meals or individual courses for big parties. This was achieved with a minimum of structural change, proving that half the battle in remodeling is early and careful evaluation of the purpose of equipment.
STORAGE SPACE in old kitchen, left, consisted of clumsy old-fashioned wood cabinets which stretched from floor to ceiling. New solution provides trim modern cabinets, including an elevator cabinet with electric controls, above and right, which can rise to height of door or drop to line up with top of control panel. Above cabinet, a decorative print is mounted flush with wall (see opposite page) so that elevator section can rise in front of it. Bad surface of old kitchen walls is sealed and smoothed by a vinyl covering simulating wood grain that is hung like wallpaper and flexible enough to go around corners. In pantry and breakfast room, a pale green vinyl is used. The wall coverings can be washed with soap and water. In contrast to dark tones of cabinets, countertops are white Textolite flecked with gold. Kitchen accessories in fruit colors—HaG’s Tangerine and Lemon Peel—provide sharp accents. Floor is covered in pale green, beige and brown terrazzo-patterned vinyl which visually unites all areas.

Shopping information, page 191
3. When wall space is broken up

Most kitchens over thirty years old are victims of the tortured shape. Their crazy jogs, profusion of doors, and chewed-up wall space can be the despair of anyone who wants to remodel these white elephants, for extensive structural changes play havoc with the budget.

One solution is to work around the obstacles you can’t eliminate, minimizing their disadvantages by skillful arrangements of equipment and use of color. The biggest problem in Mr. and Mrs. Perry L. Ruston’s kitchen in Bronxville, N. Y., was its five doors. It still has five doors but when it was remodeled by House & Garden in cooperation with General Electric, one of the doors was relocated to give a much-needed direct route to the dining room.

Other changes were addition of laundry equipment, relocation of refrigerator, enlargement of window in breakfast room which the Rustons and their 19-year-old son use for family snacks. Over-all modernization was achieved by means of new equipment, cabinets, wall covering and a color scheme which tied the whole together.
BREAKFAST ROOM AND PLANNING CENTER was originally a dark unattractive space, above left, between kitchen and butler's pantry. In remodeling, the old cabinets and refrigerator were removed and the window in the wall opposite was enlarged to bring in light and a view of the garden. Along the wall between the door to the kitchen, above, and doorway to the pantry, left, new cabinets and a Textolite counter were installed to serve as a planning desk or a buffet. A cork board mounted on the wall above one end of the counter, left, makes a convenient place to pin up lists and messages. The mobile stool may be raised or lowered by twirling the seat, and easily rolled back and forth between planning desk and kitchen. The walls of the breakfast room were covered with a light jade green vinyl that simulates silk, and botanical prints brighten the dining area opposite the planning center. The old-fashioned pantry, visible through doorway, left, was converted into a bar. The old sink and cabinets were left in place, painted to blend with walls, fitted with hardware and countertops like those in kitchen. The new refrigerator was placed in a more logical spot: in the kitchen, above and opposite page, near range and sink. In the narrow hallway beyond, connecting kitchen with cellar, old closets were removed to make space for a washer-dryer and cabinets. G. E. equipment, cabinets, Remodeling installation by Bette Sanford, Kitchen Designer.
4. When your kitchen needs updating

In a kitchen that has served you well, you naturally hesitate to sacrifice the charm of the old for the functionalism of the new. Architects Yerkes and Grunsfeld adroitly avoided this pitfall when they redesigned the kitchen in Mr. John L. Strauss's family home in Glencoe, Illinois, for the younger generation—Mr. Strauss, his wife and baby son. While the architects increased the efficiency of the kitchen 100 per cent, they kept many of the features which gave it individuality. The old Delft tiles relieve the newness of stainless steel. Existing wood wall cabinets, casement windows and doors were painted blue to match new wood base cabinets. And old favorites were transformed into their modern counterparts: the kitchen table became a work island; the range was replaced by two wall ovens and six drop-in cooking units.

ROMANTIC COLOR SCHEME of remodeled kitchen, opposite, was inspired by Delft tiles from niche where old range stood, above. Now the salvaged tiles make a back splash for the new double sinks and countertop under the window, and outline the wall ovens that filled in the range niche. A new ventilating system installed in the old hood eliminates all kitchen odors. Old wall cabinets flanking windows over sink were fitted with new hardware and painted to match the new modern base cabinets. White vinyl tile with blue flecks covers the floor. An innovation quite in keeping with the traditional air of the kitchen is the center island, roomy enough for canning fruit from the Strauss's orchard. Three appliance outlets are conveniently located at one end of the raised spice shelf in the center of the island top. Beneath the maple chopping block section there is knee space so the island can also be used for sit-down tasks or planning desk (menu files are in drawers at right). In nearby serving pantry, right, the new refrigerator has on tap filtered drinking water which is iced by passing over cooling coils.

For shopping information, see page 191

COOKING ISLAND, above, an efficient replacement for the old kitchen table, is pivot of kitchen, midway between wall ovens and refrigerators. The latter were built into one of the doorways of cold storage pantry where the old refrigerator had been housed. Island has special storage for cooking utensils and food. At one end, below right, cooking units are set into an insulated mosaic tile countertop that withstands hot pans. Drawers hold tools.

FOR SHOPPING INFORMATION, SEE PAGE 191
The shape of shade to come

Aluminum forms and patterns forecast a fresh approach to nature

Sitting under a tree is only one way to keep the sun out of your eyes. Another way is to sit under a lacy canopy of polychrome aluminum mesh. This is what landscape architect Garrett Eckbo decided to do when the Aluminum Company of America commissioned him to design a "forecast garden" that would exploit in every pleasant and practical way the versatility of its product. You may well be following his lead yourself some not too distant summer: first, because the problem of too much sun is one that has plagued a great many home owners besides Mr. Eckbo; second, because the aluminum components that he has adapted to provide shade on his own living patio are standard structural fabrications. They are the sheets, panels, rods, channels, meshes and miscellaneous extrusions, including moldings and thresholds, that are made to serve a hundred uses. There is more, of course, to this metallic garden than just the terrace roof you see here. The remodeled site includes as well a redwood and aluminum pavilion in brown, silver and gold and a fanciful flower-form fountain (see next page). These richly imaginative elements have gleaming, durable, maintenance-free finishes of brilliant enamel or anodized silver, bronze and gold. Best of all, they harmonize pleasantly with the house and with the natural forms and textures of fine plants that are fundamental to any really satisfying design for outdoor living.

FROM PARBOILED PATIO TO PLEASANT PORCH in one move: this is the transformation you can achieve with standard aluminum forms plus nonstandard imagination and skill. The original patio and terrace, above, sizzled all morning in the Southern California sun. Worse still, the house was a glass oven as long as the sun fell on its windows. No one knew this better than Mr. Eckbo, since he lived there. So when he was asked to design an Alcoa "forecast" project, he had the best possible inspiration—the desire to make his own back yard livable. He had a good headstart in the design of the existing paved areas in which redwood strips set off pebbled concrete and polychrome tile inlays, and in his pleasantly planted grounds. To achieve his primary goal of shading but not excluding the sunlight overhead, he extended the simple wood framing of the house itself to support and accommodate a variety of aluminum components, opposite page. He varied mesh units with assemblies of triangular panels arranged in open pyramids both to make and to project an intricate pattern of light and shade. The metal itself is anodized in tones of gold and brown. The designer repeated these tones in the curved fence of aluminum panels that encloses far end of terrace serving his studio. Vertical mesh screen in center of terrace obscures view of living portion from studio end, right.

HOUSE & GARDEN, APRIL, 1960

Continued 155
Metal adorns the garden

THREE ALUMINUM STRUCTURES are the highlights of this “forecast” design: a long mesh canopy above the living terrace, a ripple-roofed pavilion across the garden, an aluminum fountain halfway between the two.

PUTTING THE PIECES TOGETHER was not as much of a job as it looks, since all the aluminum components, whether bars, rods, solid or mesh panels, were cut and finished according to plan before being delivered to the site. The actual installation, however, was complicated to some extent by the fact that this kind of project had not been done before. The designer himself took part in every phase of the installation. Above: 1. Pre-cut elements of pyramidal roof inserts are assembled on terrace. 2. Whole sections are light enough to be lifted into place as assembled units, with triangles oriented to give maximum shade. 3. Designer adjusts tubes of fountain as companion erects pavilion trellis. 4. Designer assembles fountain at pool edge.
AIRY ALUMINUM PAVILION not only invites relaxation across the garden from the house, but is an important decorative element in the whole landscape scene. The rippling aluminum roof is of a more open mesh than the terrace cover (page 154), since less shade is required in the lee of trees and sheltering rim of hills. The roof vaults, in natural aluminum finish, vary subtly in width, with the widest span arching over the principal sitting area. The trellis across the front of the pavilion is made up of a gold anodized miscellany of pressed and extruded sections assembled on the job. The screen across the back is a special Alcoa fence pattern. Against it a long bench of 2” x 3” redwood strips hangs on aluminum brackets. The clump of California sycamores that looked so forlorn in the original garden, right, forms a pretty contrast to the modern lines of the pavilion itself.

FANCIFUL FOUNTAIN, opposite page, serves the practical purpose of linking the house and the pavilion with a common focal point. It also reflects the designer’s personal interest in plants and plant forms. The fountain is really a huge stylized blossom. The petals are blue-enamelled solid aluminum sheets welded together and mounted on an aluminum base. Tapered tubes in the center represent stamens, serve as water jets to splash water into metal chalice beneath. This in turn spills over into shallow concrete pool. (Designer’s studio is beyond pool.) Pebbled concrete paths, marked off with redwood strips and containing aggregates that differ in color, texture and composition, encircle garden, leading from house to pool to pavilion and back.
When a truly great wine year comes along, the connoisseurs sound the advance news. But the ordinary wine lover can be just as prompt in savoring the fruits of a memorable vintage.

The year 1959 promises to yield some of the greatest wines in Europe’s history. In nearly every important region where grapes are grown, the reports range from tremendously enthusiastic to wildly ecstatic. Red wines, white wines, ordinary table varieties and connoisseur’s rarities—nearly all are being pronounced as very good, truly outstanding or simply the finest ever.

A Burgundy grower, Henri Georges, who has spent all his 71 years surrounded by the vineyards of Nuits St. Georges, reports that never in his life has he seen such a harvest. The quality is so high that even wines from lesser vineyards are unbelievably good—fruity and soft. Other experts, especially the shrewd dealers from all over the world, agree heartily. Last November 15, the annual auction of the new Burgundy wines took place at the Hospice de Beaujeu. This auction is a trendsetter for the entire French vintage, since the prices dealers are willing to pay suggest its over-all quality. The bids for the 1959s were almost incredible.

Naturally, the final test must wait until the wines have reached maturity. So why report on them now? For good reason: When a vintage promises to be as great as this one does, the wines are bought quickly; there is never enough to supply everyone. Many of these wines are being bottled and shipped now and will be on the American market within the next few weeks. Whites are usually best when young, some when less than a year old. Most of the reds, certainly the “greats,” need maturing, of course. But what matters most is the assurance that you can buy the superb 1959s whenever they are ready. So now is the time to make arrangements with your wine dealer to set aside for you the wines that will be arriving almost immediately, and to reserve the reds that will come along later. Because wine prices are governed by quality and supply, you will never buy the 1959s more reasonably than today, before the first bottle has been consumed.

What made 1959 a banner year? Primarily a rare set of circumstances peculiarly beneficial to wine culture. As you may know, wine grapes grow best in poor soil that is unsuitable for any other crop. Many outstanding European vineyards are planted in rocky areas on hillsides so steep that one wonders how anything could cling there and take root. It seems as if the vines need to overcome some challenge to reach their peak. They also need the challenge of weather, for the more northern areas with frostier winters tend to produce the best wines.

Nevertheless, the vines do need the cooperation of good weather at the time the grapes are developing and ripening. They need to be frost free after they begin to bud in the spring. They need plenty of warm summer sun and just the right amount of moisture at the right period. If the summer is rainy, they will miss
Last summer, Europe’s vineyards enjoyed an all-time great season. '59 wines promise to be memorable, so be smart—order yours now

By JAMES A. BEARD

the sun. And when harvest time nears, rain may become a dangerous enemy. As the grapes ripen, tiny, delicate fungi called *saccharomyces* form on the skins. These fungi are very important in the production of wine; they create the fermentation. If rain comes before harvest, it washes away the *saccharomyces*, and the wine will suffer in quality.

Last year, Europe had the good fortune to be blessed with a perfect summer and fall. As the months went by, the vintners grew more and more excited. Not until harvests were completed could they be sure. But with few exceptions (the Rhône Valley and nearby Piedmont district in Italy had too much rain) the vintner’s good luck held. In Burgundy, 1959s may well prove to be the greatest of all. In Germany, Alsace, the Champagne region and parts of Bordeaux they are magnificent, and in some regions of Italy much above average.

Here is a detailed account, assembled with the able assistance of Mr. Sam Aaron of Sherry Wine and Spirits in New York:

**BURGUNDY:** Reds should surpass the famed 1929s. The region’s historians go back to the 1875 vintage for comparable quality. Expect good balance—beautiful color, rich in body, fine bouquet. Best of all, the harvest is the largest ever recorded. Special note: Lesser (but excellent) Burgundies are due for shipment to the U. S. in 1961 and will be ready to drink soon after.

White Burgundies are outstanding: full-bodied, on a par with—perhaps better than—the 1947s and 1952s. Unusually warm, sunny weather will make some whites high in alcohol and low in acid. They may be short-lived, so drink them young.

**BORDEAUX:** Best of the 1959 vintage will come from Médoc and Graves districts and will be exceptional. Even wines of lesser vineyards will be of top quality. Their delicacy is likened to the great 1929s, but they will mature fast. In fact, the 1959s will be ready to drink before the 1957s.

Quality in St. Emilion and Pomerol districts is not quite up to Médoc, due to heavy pre-harvest rains, but these wines too are excellent. Sad note: The Bordeaux crop was small, so fine 1959 clarets will be scarce.

**ALSACE:** If you think of Alsatian wines as being very light and simple, you may be in for a surprise. 1959 was a very great year, ranking with 1904, 1911, 1921, 1937 and 1945. The surprise will come when you discover; this vintage is full-bodied and round, approaching the quality of the German whites.

**LOIRE VALLEY:** The Anjou area, around the mouth of the Loire River, sends the highest of news, especially if you are a lover of that delightful white wine, Muscadet. You’ll find the 1959 vintage the best you have ever tasted. What’s more, it *is ready to drink now.* The upper Loire Valley had a small but excellent crop. If you like the charming wines of this area—the Pouilly Fumé, the Sancerre and the Quincy—order them early.

**POUILLY FUISSÉ:** This region, a next-door neighbor to Beaujolais, produced a vintage that should compare with the exceptionally good 1952 Pouilly Fuissés. You can start looking for it later this year.

**CHAMPAGNE:** After a three-year run of bad luck, Champagne producers are elated. The most optimistic of them think the 1959 vintage may attain the greatness of the famous 1893 Champagnes. Certainly, the 1959s will resemble the 1947s: full-bodied, high in alcohol and heady.

**GERMANY:** No mistaking the 1959s; they are truly great, probably better than the 1953s and the 1949s, perhaps as good as the fondly remembered 1921s. The 1959s are big wines, high in alcohol, and promise to develop a rich bouquet. Even simple, inexpensive regional wines will be very good. Ordinarily, sugar must be added to these lesser wines, but over 90 per cent of the 1959 vintage has adequate natural sweetness. *A word of warning:* Germans like their wines a bit heavy and sweet; in “great” years, leading Rhine wines and some of the Moselles are quite rich. If you prefer a lighter, dryer wine, you will be happier with the lesser German vintages—the 1957s and ’58s. On the other hand, German-wine lovers who were delighted with the ’53s can look forward to the new vintage. You will begin to see it on the market in about two years.

**ITALY:** Most of the news is good. From the region around Verona, the vintage was first-rate. The 1959 Valpolicellas, Bardolinos and Soaves seem likely to be the best of the past two decades. In Chianti, too, the vintage is well above average and the 1959s will be delightful.

Only a miracle could produce a vintage year without a few local disappointments. There were several in 1959. From Beaujolais, which supplies the gay red wine so often served en carafe in Parisian restaurants, the reports on the 1959 vintage are spotty. Some wines are excellent, others middling to poor. Buy your Beaujolais with care, choosing only those 1950s bottled by leading growers and vintners. The Rhône Valley suffered heavy rains during August and September. This misfortune will deprive the usually robust red wines of Côtes du Rhône of their distinctive “burnt” taste. Some of the 1959 vintage will be pleasant to drink, of course, but expect nothing exceptional. The opposite hazard—a long drought—seriously damaged crops in the Vouvray area of the Loire Valley, and the vintage will be too high in alcohol, too full-bodied, almost coarse.

But these disappointments are so few and scattered that they actually prove the amazing caliber of 1959. It will be a vintage year to remember. It is a great vintage to look forward to.
With the summer only weeks away, a new bumper crop of gay and carefree furniture is ready and waiting to refresh your rooms as the season changes or to brighten the porch, the terrace and the garden. You’ll find a new airy lattice look in this year’s designs ... new value in the durable finishes and sturdy fabrics that fairly thrive on inclement weather ... new versatility in tables, chairs and benches that love the outdoors but will follow you happily indoors at season’s end to take up residence in a child’s room, a family room or a lighthearted dining room.

Assembled herewith are the highlights of the 1960 collections.

THE NEWS IS:

1 A MOLDED FIBER GLASS SEAT in a comfortable form-fitting chair with a durable wrought iron frame that comes in fourteen colors. Round coffee table beside it has incised zodiac motifs on its aluminum top, leaf designs on pedestal base. Birdcage is wrought iron, thoughtfully painted non-toxic white. Molla.

2 REDWOOD SLIMMED DOWN in a gracefully shaped garden bench that proves the wood long known for its resistance to weather can be light in appearance as well as sturdy. The contoured back and seat are laced with black and white plastic webbing; the iron frames are painted white. Shaver Howard.

3 THE NEW LOW SCALE OF A DRUM-SHAPED TABLE and ottomans, equally disposed to patio or indoor use. The painted wrought iron frames come in eleven colors; the polyfoam seat cushions are covered in a water-repellent cotton. Salterni.

4 THE BRIGHT-COLORED FINISH OF A CAFÉ TABLE that would make a pretty stop-off at the end of a garden path. The hardwood slat top of the table is painted pale orange, gold, or H&G’s Cerulean Blue as well as white, the wrought iron base and chairs, painted to mix or match. Salmanson.
The new leisure furniture

continued

THE NEWS IS:

1 THE LATTICE BASE OF A PATIO TABLE with a glass top and lattice-backed chairs to match. Cast iron frames have an unusual lead-colored finish that imparts elegance. Grille details give the threesome lightness combined with strength. The seat pads have zip-off covers. Lee L. Woodard Sons.

2 THE BAMBOO LOOK IN A DIRECTOR'S CHAIR with oriental overtones. It combines the portability and rugged constitution needed for outdoor use with the solidity and importance that belong to the best of indoor furniture. The varnished hardwood frames are shaped like bamboo and the slip-off seats and backs are made of canvas. Telescope Folding Furniture Co.

3 THE ANGULAR BACK OF A RATTAN ARMCHAIR that is imported from Hong Kong. It can bask in the sun or the rain with no bad after-effects but it would also make a long-lived addition to a boy's bedroom or a family room. Otto Gerdau Co.

Opposite:

4 SLEEPING COMFORT IN A RATTAN LOUNGE. This suave daybed comes with a foam rubber mattress, wedge-shaped back bolsters and arm bolsters—all covered in a linen-like fabric. For summer window dressing or airy space dividers: pierced wooden panels available in a variety of arabesque motifs ready to paint in H&G colors. Furniture by Vogue Rattan Mfg. Co.

For a variety of chaises, see page 194
Shopping information, page 191

Continued
The new leisure furniture continued

THE NEWS IS:

1 EXPANDED METAL in a deceptively fragile-looking loveseat that would make a compact and comfortable addition to a postage-stamp patio. Expanded steel lattice makes curved back of bench; wrought iron, the frame. Plantation Patterns.

2 SECTIONAL ARRANGEMENTS FOR POOLSIDE. Sopping swimmers can lounge with impunity on these settees since the frames have a rust-resistant finish, the foam cushions and bolsters, durable plastic covers. Sections are straight, or right-angled for corners, with right arm, left arm or none. Selrite.

3 A RATTAN CANOPY BED as fanciful as a fairy tale, to make any bedroom look summery the year round. Though a contemporary import from Hong Kong, this bedstead has a delightfully Victorian look, enhanced here by curtains and a valance made of flower-sprigged sheets to match those on the bed. Tropi-Cal.

4 THE LATTICE BACK OF A RATTAN CHAIR. Called the "Mandarin," it is a modified version of the romantic peacock chair and comes in saffron-toned finish. Arms have brass ferrules; foam rubber cushions are removable. Ficks Reed Co.

5 THE FRENCH COUNTRY LOOK achieved by a faithful reproduction of the popular painted-iron Montgolfier chair. Four of these chairs circling a pedestal table with white Carrara glass top would give al fresco entertaining the charm of lunching in the Bois de Boulogne. Arbuck Collection by Gallo Furniture Co.

6 STRETCHABLE WEBBING in the "Cobweb" chair. The seat spun of elasticized plastic rope has a wonderfully frivolous look that matches holiday spirits. For the convenience of Miss Muffets who like to take their relaxation on the beach, the steel frame folds up for carrying. It has a rust-resistant enamel finish, comes in a variety of summery colors. French Cobweb Chair Co.

7 A SQUARE-CANOPIED TABLE as gay and shapely as a carousel. The Hyacinth-painted aluminum frames support a patterned fiber glass table top and a Saran awning. Aluminum chairs have mahogany arms and brass finials. The Troy Sunshade Co.
New motif for summer living

The lattice look

On everything from dinner plates to accent rugs, grille patterns are providing new surface enrichment, engaging lightness and depth, a new sense of the outdoors indoors, and a fresh see-through view of everything within range.

Left:

WROUGHT IRON FRETWORK skirting glass-topped tables sets the pattern for a warm weather buffet on the porch, which you see in color on our cover. Several small tables often work out better than a large one when your space is limited. Arrange them according to your menu using each table to serve a separate course. Another time you might use them for cozy foursomes at a sit-down supper. Set out for this buffet: lattice-edged dinner plates in white milk glass and companion black salad plates, by Westmoreland Glass; sterling in a contemporary vein, “Continental” by International Silver. Console tables by the Birmingham Ornamental Iron Co.

Opposite page:

FULL GAMUT OF GRILLWORK that spells the lattice look: 1 Wool loop rug in a parquet design, any color, any shape and size, by Edward Fields. 2 “Flower Plaid” wallpaper in green, yellow or blue on white, by Woodson Wallpapers. 3 Three-panel natural rattan screen 66” tall, by Tropi-Cal. 4 Hanging lamp of fishnet embedded in plastic, by Raymor. 5 Adaptation of the Empire bench with latticed metal seat, in antique silver finish, from Casa Azul. 6 Pretty ceramic cachepot with basket-like holder and red and white beaded pompon roses, imported by Bonwit Teller. 7 Walnut folding bed tray, net side pockets, by Tomorrow’s Heirlooms. 8 Umbrella stand of rattan basketry with a brass base, Bloomingdale’s. 9 Bath rug with criss-cross of red and blue on white, a tidy 21” x 36”, Bloomingdale’s. 10 Covered casserole, 2½-quart capacity, laced with tones of blue or green on white, from Sweden House. 11 White china pitcher with a collar of blue and green fretwork, in Contempr China designed by Paul Mccobb. 12 Fornasetti wastebasket, a 12” high metal cylinder painted white with overprinting of gold caning design, at Saks Fifth Avenue. 13 Candle warmer in china lattice bowl with brass cover and handles and 14 an extensible brass trivet, both from Bloomingdale’s.
A CHECKERBOARD OF LATTICE TRIVETS strategically arranged on your serving table or sideboard not only protects it from hot casseroles and platters but also provides an interesting new surface treatment. Here teak squares by Dansk Designs cover Carrara glass-topped mahogany bar cart by Harvey Probber. (Another time you might use bamboo trivets.) The other principals: casseroles of French porcelain in white with a banding of gray flowers, English walnut and mahogany salad bowls, Italian earthenware plates, giant ebony and pewter shakers, an ice bucket with latticed cane cover.

Left:
A LATTICE CUT-OUT TABLE CLOTH, spread over a petticoat of contrasting color makes a splashy cover for a party table. The three-dimensional effect here is achieved with washable white felt by S. M. Hexter over moss green cloth (with dinner-sized napkins to match) by Craig Creations. As an alternative to felt, you might lay broad ribbons in a lattice pattern over a contrasting cloth. Congenial accessories here are scalloped dessert plates in brilliant green French pottery with hand-painted white posies; mugs to match; porcelain-handled stainless steel fruit knives and forks from England; and a brimming basket in a see-through weave of bamboo.

For additional shopping information, see page 191
Those tasty morsels known to the French as abats de bou­cherie, to the English as offal, and to us, more euphemisti­cally, as specialty meats have fluctuated in favor throughout the centuries. The Romans held omenta in great esteem and concocted dishes of sweetbreads, brains and liver with honey and spices, whereas Tudor England spurned these “humbles” and considered them fit only to be served in a “pye” to the lower orders (or unruly children) who were seated below the salt—from whence came the phrase “to eat humble pie.”

Specialty meats (not to be confused with cold cuts) are both interior and exterior parts of the animal, ranging from head to tail, from ears to feet, with particular emphasis on the delicate organ meats—brains, liver, kidneys, sweetbreads and tripe. Although they have not always been as well regarded in the U. S. as they merit, many travelers abroad who have swallowed their prejudices along with a delectable tripes a la mode de Caen or cervelles au beurre noir are now eager to duplicate these dishes at home. The following recipes will help you to enjoy the succulence of these once unconsidered trifles.

Shopping information for cook book cover, see page 191.

BRAINS

In this country brains are all but ignored and many cook books give them but passing mention. Veal, beef, pork and lamb brains are all good eating and the flavor is similar. Veal brains, being the most sought after, are naturally the highest in price. They weigh about a half-pound each. Beef brains weigh from three-quarters of a pound, pork and lamb brains from three to four ounces. Figure on a pound of brains for three or four servings. Brains are very perishable and should be parboiled as soon as possible after purchase. As the primary preparation for all dishes made with brains is the same, this can be done ahead of time.

To prepare brains

Wash brains well in cold water, then soak in salted water (1 tablespoon salt to 1 quart water) for half an hour. Remove membrane and blood clots (see illustration of technique on next page). Simmer in salted acidulated water (1 teaspoon salt and 1 tablespoon lemon juice for each quart of water) or in quart bouillon for 10 minutes. Do not boil and do not overcook lest they lose their delicate texture. Plunge immediately into cold water, cover and store in the refrigerator until ready to use—but no longer than 1½ days.

Brain Fritters

Prepare brains as directed, cut in 1” cubes and marinate in French dressing for 1 hour. Drain well. Beat 1 egg, add ½ cup milk, ½ teaspoon salt, ½ teaspoon baking powder and 1 cup flour. Beat until smooth. If too thick, add a little more milk. Dip brains in this batter and fry in deep hot (360°-365°) fat until nicely browned. Serve with tomato, mushroom or tartar sauce.

Brains au Beurre Noir

2 pounds brains, parboiled
Flour
⅛ cup butter
Toast, chopped parsley
2 tablespoons vinegar
1 tablespoon capers
Prepare brains according to directions. Dry, dust lightly with flour and brown in ⅛ cup butter. Put each cooked brain on a piece of toast and sprinkle with parsley. Add remaining butter to pan and cook until a deep amber, add vinegar and capers. Pour over brains and serve at once. Serves 6.

Brains with Lasagna

½ pound ground veal
⅛ pound ground beef
2 tablespoons butter
1 pound brains, parboiled and chopped
1 cup chopped cooked spinach
⅛ cup grated Parmesan cheese
1 tablespoon minced parsley
2 teaspoons salt
½ teaspoon crushed rosemary
Pepper
Light cream
6 ounces cooked lasagna
Butter or olive oil
Grated Parmesan cheese

Cook beef and veal in butter until lightly browned. Add brains, spinach, cheese, parsley, seasonings and enough cream to make mixture soft. Arrange a layer of lasagna in a buttered casserole, add a layer of meat mixture and continue in that order until casserole is full, making top layer lasagna. Brush top with butter or oil, sprinkle with grated cheese and bake in a moderate (350°) oven for 20 minutes. Serves 6.
**Scalloped Brains**

Prepare a pound of brains as directed. Cut in small pieces, combine with 1/2 cup Mornay sauce, put in scallop shells or ramekins, sprinkle with buttered crumbs and bake at 350° until hot and brown. For Mornay Sauce: Add 1/2 cup grated Cheddar or Gruyère cheese to 1/2 cup medium cream sauce. Serves 4.

**Scrambled Brains**

This delicious breakfast dish, in its simplest form, is made by mixing small pieces of parboiled brains with eggs while scrambling them. Another way is to combine chopped brains with chopped hard-cooked eggs (3 eggs to each brain) and scrambling them with 6 raw eggs mixed with 2 tablespoons cream. Sprinkle scrambled brains with minced parsley and serve on toast.

**Brains Vinaigrette**

1 pound brains, parboiled and sliced
1/2 cup olive oil
1/2 cup wine vinegar
2 tablespoons red wine
1 teaspoon salt
1 tablespoon each: chopped chives, capers, green olives, parsley
Freshly ground black pepper to taste

Arrange sliced brains neatly, overlapping, on a serving dish. Combine all other ingredients for sauce vinaigrette. Pour sauce over brains and chill, Garnish dish with chives and serve. Serves 4.

**Brains Griibiche**

1 pound brains, parboiled and sliced
2 hard-cooked egg yolks, mashed
1/2 cup olive oil
1/2 cup wine vinegar
1 teaspoon salt
1 teaspoon chopped tarragon
1/2 teaspoon each: chopped capers, gherkins, parsley
2 hard-cooked egg whites, chopped


**Brains Mayonnaise**

Chill and slice prepared brains and serve on a bed of lettuce. Mask with mayonnaise and garnish the dish with radishes, green onions, ripe olives and cherry tomatoes.

**Sweetbreads**

**Sweetbreads Bearnaise**

Split cooked sweetbreads, dip them in melted butter and brown on each side until nicely colored, Serve with Bearnaise sauce and a purée of fresh peas.

For Bearnaise Sauce: Cook 1 tablespoon chopped shallots in 3 tablespoons tarragon vinegar until reduced by half. Press through a sieve into a small heavy bowl. Add 3 egg yolks and a pinch of dry mustard and put bowl over a pan of hot— not boiling—water. Whisk 1/2 pound of butter and whip into the egg yolk mixture a little at a time. As the sauce thickens, pour in more butter, quickly, until all is used. Keep sauce over warm water until ready to serve. If too thick, add a little hot water just before serving.

**Sweetbreads Florentine**

Put a layer of chopped, cooked, seasoned spinach in the bottoms of scallop shells or ramekins. Cover with sliced cooked sweetbreads, mask with Mornay sauce, sprinkle with a little grated Parmesan cheese and bake at 300° until mixture is hot and the top browned. For Mornay sauce: To each cup of thin cream sauce add 2 tablespoons each grated Gruyère and Parmesan cheese or 1/4 cup grated Cheddar cheese. Cook until cheese is melted.

**Creamed Sweetbreads**

Cut or break a pound of cooked sweetbreads in pieces. Make a cream sauce by cooking 3 tablespoons butter and 3 tablespoons flour for 2 or 3 minutes, then adding 2 cups thin cream and 1 teaspoon salt. Cook, whisking with a wire whisk, until thickened and smooth. Add sweetbreads and cook 15 minutes. A tablespoon of sherry or Madeira or a little nutmeg may be added for flavoring, if desired. Serve on toast or in pastry shells. The creamed sweetbreads may also be combined with a cup of sliced cooked ham or mushrooms or both and baked in a pie or served in vol au vent shells as a party dish.

**Sweetbread Salad**

Cut cooked sweetbreads in small pieces and for each cup sweetbreads add 1/4 cup diced celery. 2 tablespoons finely minced green onions, 1/2 cup halved seedless grapes, 1/4 cup sliced blanched and toasted almonds. Mix. Dress with mayonnaise that has been combined with a little unsweetened whipped cream.

**KIDNEYS**

A perfectly cooked kidney is the sign of a good chef. Beef, veal and lamb kidneys are usually preferred to pork kidneys because of flavor, but all are high in nutritional value. A beef kidney weighs a little over a pound; a veal kidney half to three-quarters of a pound; lamb kidneys two to two-and-a-half ounces each. One pound of kidneys will serve four. Kidneys must be cooked quickly to be tender; when overcooked they toughen. The only exception to this is when they are used in a stew, casselette or pie that requires long, slow cooking which makes them tender again. Kidneys should be washed in cold water, the outer skin removed and the tubes and fat cut out with a sharp-pointed knife.

**How to clean veal or beef kidneys**

Slice kidney in half lengthwise and cut away excess fat from center with a sharp knife.
Deviled Lamb Kidneys

12 lamb kidneys
\( \frac{1}{2} \) pound butter
\( \frac{1}{2} \) cup minced onion
1 clove garlic, pressed
Dash of cayenne, Tabasco
2 teaspoons prepared mustard
2 tablespoons dry sherry
\( \frac{1}{3} \) teaspoon pepper

Split kidneys and remove hard center but do not cut completely in half. Spread flat. Mix remaining ingredients together, spread the cut side of the kidneys with the mixture and broil, spread side up, until juicy and tender—about 5 minutes. Arrange on toast, pour the drippings over the kidney-stuffed onions in the foil. Serves 6.

Onions Stuffed with Kidneys

Allow 1 large onion for each serving. Boil for 5 minutes, remove peel, cut a slice from the top and scoop out the inside, making a hole large enough to hold a whole lamb kidney. Clean kidneys, sprinkle with salt and pepper, put one in each onion and add 1 tablespoon butter and \( \frac{1}{2} \) teaspoon prepared mustard to each. Wrap in foil and bake in a 350° oven for 40 minutes. Serve the kidney-stuffed onions in the foil.

How to split lamb kidneys for broiling

Starting at bottom of kidney, slice lengthwise but do not cut kidney through at top. Spread flat, loosen core with fingers. Use sharp scissors to snip out core and tubes.

How to clean lamb kidneys

Pull off outer fat; insert thumb at core and remove thin membrane around the kidney.

Cut kidney in half lengthwise; scrape with knife to loosen core of fat, connecting tubes.

Turn over; cut down on slant with sawing motion while pulling core with left hand.

Veal Kidneys with Madeira and Sour Cream

3 veal kidneys, skinned, cleaned and thinly sliced
Flour
\( \frac{1}{2} \) pound butter
\( \frac{1}{2} \) cup Madeira wine
\( \frac{1}{2} \) cup sour cream
Salt, pepper

Dust sliced kidneys with flour and sauté very quickly in butter, using a large skillet so all kidneys will cook in 3 or 4 minutes. Remove to a warm dish. Add Madeira to pan, carefully stir in sour cream (keep heat low so cream does not curdle). Stir, season with salt, pepper, pour sauce over kidneys and serve at once. Serves 6.

Veal Kidneys with Madeira and Sour Cream

Kidneys in Red Wine

1 beef kidney, cleaned and cut in thin slices
\( \frac{1}{2} \) cup chopped onion
\( \frac{1}{4} \) cup butter
\( \frac{1}{4} \) cup flour
2 cups beef stock
\( \frac{1}{2} \) cup red wine or tomato purée
Salt, pepper, tarragon or thyme

Cook kidney and onion in butter. Do not overcook. Remove kidney and keep warm. Add flour, stock and wine or purée to pan. Cook until thick. Season to taste with salt, pepper and a little tarragon or thyme. Pour sauce over kidneys and serve at once with rice or mashed potatoes and thinly sliced carrots cooked until tender but crisp and dressed with butter and minced parsley. Serves 4.

Kidneys in Red Wine

1 pound kidneys, any kind
\( \frac{1}{4} \) cup butter
1 small onion, chopped
1 cup sliced mushrooms
\( \frac{1}{2} \) cup red wine
\( \frac{1}{4} \) cup stock
Salt

Clean and slice kidneys. Brown quickly in butter. Remove and keep warm. Add onion and mushrooms to pan, adding more butter if necessary. When onion is transparent, pour in wine and stock, bring to a boil, add kidneys and salt to taste and cook a minute or less, just to heat through thoroughly. Serve at once with rice or on toast. Serves 4.

MARROW

Marrow on Toast

Have beef bones from the leg or shank sawed in pieces about 2" to 2\( \frac{1}{2} \)" long and bake them in a 350° oven for 1\( \frac{1}{2} \) hour. (Marrow bones may also be steamed for the same length of time but browning them and improving their appearance as well as flavor.) Arrange marrow bones on pieces of toast, allowing 3 or 4 for each person, and serve at once. The bones help keep the heat in the marrow. At the table, push marrow onto toast, sprinkle it with salt and eat it as a first course. As few households boast marrow spoons, use oyster forks or slender fruit knives for poking out the marrow.

When serving marrow as a finger food appetizer, bake as above, remove marrow and spread on Melba toast or crackers. Sprinkle with salt and, before serving, slip under the broiler to become piping hot.

Apple and Marrow Pie

5 pounds marrow bones
Salt
2 pounds Pippin apples
Pastry for 10" pie
\( \frac{1}{2} \) cup raisins soaked for several hours in \( \frac{1}{2} \) cup port

Put marrow bones in 350° oven for 15 minutes, then remove marrow, slice and sprinkle with salt. Peel and slice apples. Line a 10" pie pan with pie crust, add apples, then marrow, then top with soaked raisins. Pour on any port that raisins did not absorb. Top with crust, slash, and bake at 425° for 15 minutes. Reduce heat to 350° and continue baking until nicely browned. Serves 8.
Specialty Meat Fondue Bourguignonne (shown on cook book cover)

A different version of fondue Bourguignonne, this is a good way for the hostess to serve, and let her guests select from, a variety of inards. Arrange cubes of calf's liver, whole or halved chicken livers, quartered lamb kidneys or cubes of veal kidney and good-size pieces of precooked sweetbreads and brains on a dish. The procedure is the same as for the fondue made with cubes of filet of beef. Have an alcohol-heated fondue Bourguignonne unit (or an electric cooker or chafing dish) in the middle of the table and keep at least a half-pound of melted butter sizzling hot in it (you may substitute a light cooking oil if you wish). Provide each guest with a long-handled fondue fork or chopstick, a big plate or shallow dish, a few cubes of bread, preferably homemade. Meat may be removed from the bones before vegetables are added, if desired. Serves 6.

Stuffed Baked Heart

Heat is another much-neglected meat. Hearts are usually stuffed and baked or braised, as most cooks believe they require long cooking. However, like kidneys and most other inards, they are tender if cooked for a short time. Overcooking makes them toughen and they then have to be cooked lengthily to become tender again. A veal heart weighs close to a pound; a beef heart three to four pounds; pork heart about half a pound; lamb heart four or five ounces. A pound of heart serves two or three. Hearts should be washed thoroughly and the arteries and heavy fat removed with a sharp knife. If the heart is to be sliced, it should be split first.

1. Remove fatty covering from around heart and cut away tube at the top with scissors.
2. Snip away the tube and arteries from the inside, making pocket for the stuffing.
3. Wash heart well in cold water. Dry. Fill pocket in heart with the desired stuffing.
4. Sew up opening with strong needle and thread, using crossover herringbone stitch.
5. Cut thin strips of salt pork and press into long pointed larding needle with thumb.
6. Thread pork through surface of heart to keep it from drying out during cooking.

Some Tryouts

2 pounds oxtails, disjointed
Seasoned flour
1 cup chopped onion
1/2 cup butter
1/2 cup red wine or tomato juice
2 cups stock
Salt, pepper, rosemary
Small peeled onions, baby carrots, sliced celery, mushrooms

Dust oxtails with flour. Cook onion in butter until wilted. Add oxtails and brown lightly. Add wine and 2 cups stock (or water). Add 1 teaspoon salt, a little pepper and a good pinch of rosemary. Simmer for about 3 hours, or until almost tender. Put in a casserole with the vegetables. Cook in a 375° oven for 45 minutes or until the vegetables are tender. Thicken sauce if desired. Serve with mashed potatoes or noodles. Serves 6.

Oxtail Soup

1 oxtail, disjointed
Seasoned flour
1/4 cup shortening
3 quarts water
1 teaspoon salt
Herb bouquet (parsley, bay leaf, marjoram or thyme)
1 cup each: diced carrot, celery, onion
Salt, pepper
2 tablespoons parsley

Dust oxtail with flour and brown in shortening. Add 2 quarts water, 1 teaspoon salt, herb bouquet, and simmer until tender—3 hours or more. Skim, add 1 quart water and diced vegetables. Cook until vegetables are tender. Correct seasoning, add parsley and serve from a tureen with hot bread, preferably homemade. Meat may be removed from the bones before vegetables are added, if desired. Serves 8.

How to clean and stuff veal heart

1. Remove fatty covering from around heart and cut away tube at the top with scissors.
2. Snip away the tube and arteries from the inside, making pocket for the stuffing.
3. Wash heart well in cold water. Dry. Fill pocket in heart with the desired stuffing.
4. Sew up opening with strong needle and thread, using crossover herringbone stitch.
5. Cut thin strips of salt pork and press into long pointed larding needle with thumb.
6. Thread pork through surface of heart to keep it from drying out during cooking.

SPECIALTY MEAT COMBINATIONS

Frítito Misto

This famous Italian dish is a way of using specialty meats in combination. Chicken and calf's liver, sweetbreads, brains, tripe and kidneys may all be used and often vegetables such as artichoke hearts, slices of zucchini and cauliflower buds are included. These are all dipped in batter and fried in deep 350° fat until nicely browned. With the exception of the chicken livers, liver and kidney, the meats should be precooked and the vegetables should be parboiled before being deep fried.

For the batter: Beat 2 eggs well, add 1/2 cup milk, 1 cup flour, 1/2 teaspoon salt and a dash of pepper. Beat smooth. Dry meats before dipping them in batter.

Heart is another much-neglected meat. Hearts are usually stuffed and baked or braised, as most cooks believe they require long cooking. However, like kidneys and most other inards, they are tender if cooked for a short time. Overcooking makes them toughen and they then have to be cooked lengthily to become tender again. A veal heart weighs close to a pound; a beef heart three to four pounds; pork heart about half a pound; lamb heart four or five ounces. A pound of heart serves two or three. Hearts should be washed thoroughly and the arteries and heavy fat removed with a sharp knife. If the heart is to be sliced, it should be split first.

1. Remove fatty covering from around heart and cut away tube at the top with scissors.
2. Snip away the tube and arteries from the inside, making pocket for the stuffing.
3. Wash heart well in cold water. Dry. Fill pocket in heart with the desired stuffing.
4. Sew up opening with strong needle and thread, using crossover herringbone stitch.
5. Cut thin strips of salt pork and press into long pointed larding needle with thumb.
6. Thread pork through surface of heart to keep it from drying out during cooking.

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Grilled Oxtails

Have oxtails disjointed, allowing 1 per person. Use only the large, meaty end. Barely cover oxtails with water, add 1 onion, a couple of cloves, some salt and a little marjoram. Cover and simmer until tender (about 3 hours or a little longer). Drain, saving stock for soup, dry, dip in melted butter and roll in fine bread crumbs. Broil until nicely browned on all sides. Serve with Sauce Diable. Supply finger bowls.

**For Sauce Diable:** Chop 2 shallots or green onions and cook in 2 tablespoons butter until transparent. Add 3 tablespoons vinegar, 1 teaspoon dry mustard, 1 tablespoon Worcestershire sauce, a dash of Tabasco and 2 cups sauce Espagnole or brown gravy (you may also reduce oxtail stock, season, slightly thick with flour and butter kneaded together and use it in place of the sauce or gravy).

**Liver**

Liver, including chicken liver, is perhaps the most popular of all the inner meats with gastronomes. It is high in minerals and vitamins as well as in flavor, but, like so many of the other specialty meats, to overcook it is to ruin it. A whole beef liver weighs about ten pounds; a calf's liver three pounds or a little more; lamb's livers are about a pound apiece. One pound of liver will serve three to four.

**Broiled Liver**

Have liver sliced at least ¼" thick, preferably thicker. Brush each side with melted butter or bacon fat. Broil 3 to 6 minutes a side over charcoal, or broil under the broiler with rack about 5" below the heat for 3 to 4 minutes a side, until brown on the outside but still pinkish inside. The best way to tell if the liver is done to your liking is to make a slit with a sharp knife. Sprinkle cooked liver with salt and pepper, put a piece of butter on top or a crisp slice or two of bacon on each side and serve with a wedge of lemon.

**Liver with Herbs**

2 pounds calf's liver, sliced thick
1/4 cup and 2 tablespoons butter
1 tablespoon each: minced parsley, chives, tarragon
2 tablespoons lemon juice

Sauté liver quickly in 1/4 cup butter until brown but still pink inside. Remove to hot platter. Add to pan remaining butter, herbs and lemon juice, cook for a minute or two and pour over liver. Serves 6-8.

**Chopped Liver Appetizer**

2-pound piece calf's liver
1 large mild onion, chopped
1/2 cup rendered chicken fat

Bake liver without seasoning in a 350° oven until meat thermometer registers 145°-150°. It will be pink and juicy. Remove skin and veins and cut in very small dice, saving any juices. Cook onion in 1/4 cup chicken fat until thoroughly wilted. Mix with liver and chill. Just before serving, mix in remaining chicken fat. The liver is salted at the table (if salt is added during cooking or chilling, the liver will have a bitter flavor). Serve with pumpernickel bread. This will serve 8-10 as a first course, 16-20 as a cocktail appetizer.

**Calf's Liver, Chinese Style**

1 pound calf's liver, sliced 1/2" or more thick
1 tablespoon cornstarch mixed with 1 teaspoon salt, a few grains freshly ground black pepper
4 tablespoons oil
2 green onions, cut in long thin diagonal strips
1 green pepper, cut in thin strips
1/2 cup tomato juice
1 tablespoon soy sauce
1 tablespoon cornstarch mixed with 2 tablespoons water
1 large tomato, peeled, seeded, cut in eighths

Sprinkle liver with cornstarch mixed with salt and pepper and cook quickly in 3 tablespoons oil. Remove and keep warm. Add to pan remaining oil, onions and green pepper. Cook 1 minute, stirring, then add tomato juice, soy sauce and cornstarch mixed with water. Cook until the sauce is clear. Return liver to pan with tomato pieces. Heat quickly in the sauce. Serve liver and sauce with rice. Serves 4.

**Braised Liver**

5-4-pound piece calf's or beef liver
1/4 pound salt pork cut in long, thin strips
3 tablespoons shortening
1 teaspoon salt
Freshly ground pepper
1 tablespoon flour
2 teaspoons dried sweet basil
1 onion, chopped
1 carrot, chopped
1 cup red wine

Stock:
1/4 cup each: butter, flour

Lard the liver with the salt pork strips (see illustration of technique) and tie it compactly. Brown in the shortening in a Dutch oven or heavy iron pot. Sprinkle with salt, pepper, 1 tablespoon flour and sweet basil. Add onion, carrot and red wine. Cover and cook for 10 minutes. Remove cover, insert meat thermometer in liver, add 1 cup stock and bake at 350° until thermometer registers 145°-150°, basting occasionally and adding sufficient extra stock to make 3 cups sauce in all. Correct seasoning. Thicken sauce with mixed butter and flour. Serve with mashed potatoes. Serves 6-8.

**Chicken Liver Paté**

1 pound chicken livers, cleaned and cut in pieces
1/2 cup minced onion
1/4 cup butter
2 egg yolks
1/4 cup heavy cream
1 tablespoon flour
3-4 to 5 tablespoons tarragon (or 1 teaspoon each: thyme, allspice)
Few grains pepper
2 tablespoons cognac

Cook onion in butter until transparent. Add chicken livers and cook until colored. Do not overcook. Beat egg yolks slightly, mix with cream, add other ingredients, including onion and chicken livers, and puree in a blender until smooth or force through a sieve. Put in a buttered casserole or a small loaf pan lined with bacon slices, cover the top with buttered paper or bacon slices, stand in a pan of water and bake at 300° for 1 hour. Chill before serving. Serve with crisp hot toast as an appetizer or on lettuce, sliced and garnished; for a first course. Serves 8 as first course, 12 as appetizer.

**How to clean and lard a calf's liver**

Lossen covering skin at thin end of liver, work fingers underneath and pull skin off.

Pull with fingers and use knife in sawing motion to cut tough fibers from underside.

**Chicken Liver Casserole**

1 pound chicken livers
1/4 cup butter
Salt, freshly ground pepper
1 cup rice
2 cups sour cream
1 teaspoon dried dill weed or crushed tarragon

Cat livers in half and sauté lightly in butter until blood stops running. Season with salt. Cook rice until tender but not soggy. Season sour cream with 1 teaspoon salt, a little pepper and the dill or tarragon. Arrange a layer of rice in a buttered 1 1/2 quart casserole, add a layer of chicken livers, then a layer of sour cream. Repeat until ingredients are used, making a top layer of rice. Cover and bake at 3.0° for 30 minutes or until hot. Serves 6.

With thinner larding needle, alternate thin strips of pork with thick. Fold ends over.
**TRIPE**

Tripe is the most maligned of the innards, but to many devotees it is the best. The tripe known as "honeycomb" because of its markings is considered the most desirable but the other two kinds, "pocket" and "smooth," are also fine in flavor. Often all three kinds are sold together in one piece. Canned and pickled tripe is also available in some markets. Tripe is almost always sold raw, or partially so, and requires cooking. To cook tripe, cover it with water to which salt, an onion, a stalk of celery and an herb bouquet have been added and simmer until tender—this takes anywhere from 1 to 4 hours, depending on how much it has been precooked before being sold. 1 pound of tripe will serve 3 or 4.

### Broiled Tripe

Cook tripe, cut in serving-size pieces, dip in flour and then in melted butter. Then dip in fine crumbs. Broil, smooth side first, for about 7 minutes, or until nicely browned. Serve with lemon wedges, tartar sauce.

### Fried Tripe and Green Peppers

Cut cooked tripe in strips and dip in flour. Sauté in butter until brown on both sides. In another pan sauté sliced green peppers and sliced onions, allowing one of each per pound of tripe. Combine tripe, peppers and onions, put in a hot dish and serve with a rich cream sauce.

### Tripe and Oysters

Cook tripe, cut in serving-size pieces, dip in flour, then dip in melted butter. Then dip in fine crumbs. Broil, smooth side first, for about 7 minutes, or until nicely browned. Serve with lemon wedges, tartar sauce.

### Tripe à la Mode de Caen

- 5 pounds tripe, cut in 2" x 1" strips
- 1 real shank
- 4 onions, sliced
- 5 carrots, sliced
- 4 stalks celery, sliced
- ½ cup butter
- Salt, pepper
- Herb bouquet of parsley, thyme, bay leaf
- ½ cup white wine
- 1 cup Calvados or applejack

Stock

This is one of the world's great classic recipes and it requires long, slow cooking in a sealed earthenware pot to be really perfect. We have tried hastening the process with a pressure cooker but the results, as with most other hurry-up jobs, were disappointing. Put the real shank in the bottom of a large earthen marmite, casserole or bean pot. Cook onions, carrots and celery in butter until wilted, then arrange them in layers in the pot, alternating with the tripe. Sprinkle each layer with salt and pepper and tuck the herb bouquet in the middle. Add wine, Calvados and fill the pot with stock. Cover and seal the lid on with a paste of flour and water. Cook in a slow (250°) oven for 8 hours. Remove real shank and herb bouquet before serving. Serve with French bread. Serves 6-12.

### How to trim and slice boiled tongue

Slit skin of boiled tongue near thick end and peel toward tip; use hands to do this.

**With sharp knife, trim off all gristle, fat and bones from thick end of the tongue.**

### Tripe Vinaigrette

Cook tripe as directed, cut in strips and arrange on a dish. Cover with sauce vinaigrette or sauce gratiliche (see Brains Vinaigrette and Brains Griliche). Chill before serving.

### TONGUE

Beef tongues, the most popular of this variety of innards, are sold fresh, pickled, smoked and corned and, in some areas, already cooked. They weigh from two-and-a-half to five pounds. Calf's tongues weigh less, about two pounds, and are usually sold fresh. Lamb's tongues weigh about a quarter of a pound and are sold fresh or pickled. Pork tongues weigh about a pound. One pound of tongue makes three or four servings. To cook tongue, wash well and put in a large pot with water to cover, half a lemon, a sliced onion, a couple of stalks of celery and an herb bouquet consisting of parsley, bay leaf and thyme. Simmer until tender to the fork. A beef tongue will take 3 to 4 hours, sometimes a little longer. A veal tongue takes about 2½ hours, lamb tongue 1 to 1½ hours.

### Tongue Fines Herbes

- 1 beef tongue, boiled
- ¾ pound butter
- 3 tablespoons each: minced parsley and chives
- 1 teaspoon tarragon or marjoram or sweet basil
- ½ cup white wine
- Salt

Skin tongue and slice it about ¼" thick, taking care not to cut through the bottom. Mix butter and herbs. Spread herb butter between slices and reshape with skewers or by tying with string. Put in tureen with the wine, sprinkle with salt and bake at 350° for 40 minutes, basting a few times. Serve with spinach.

### Cold Tongue Vin Blanc

- 1 fresh beef tongue
- Sliced onion, herb bouquet
- ¾ cup butter
- ¼ cup flour
- 1 jigger cognac
- ½ cup white wine
- Watercress
- 1 cup whipped cream combined with 3 tablespoons grated horseradish, ¼ teaspoon salt

Cook beef tongue in salted water to cover with onion and herb bouquet for 1 hour. Remove and skin. Brown tongue in butter in a Dutch oven, add flour, cognac and wine and enough of water in which tongue was boiled to barely cover it. Simmer for 3 hours or until very tender. Remove tongue and put in a dish just large enough to hold it. Strain sauce, reduce liquid to 1 cup, correct seasoning and pour it over the tongue. Chill. Serve cold, garnish with watercress and serve the whipped cream as a sauce.

### Eseaheche de Lenguia

This is a Mexican dish, very nice for a cold buffet or on a hot day. Cook any kind of tongue (allowing 2 pounds for 6 servings) in a court bouillon of 2 quarts water, ½ a lemon, a small onion, a sliced carrot, a stalk of celery and 2 teaspoons salt. When tongue is tender, allow it to cool in the bouillon. Skin, slice and arrange in a deep platter or shallow dish, putting paper-thin slices of sweet onion and unpeeled orange and sliced ripe olives between the layers of tongue. Make a dressing with ¼ cup olive oil, ¼ cup wine vinegar, 1 teaspoon salt and plenty of freshly ground black pepper. Pour dressing over tongue and chill for 24 hours. Before serving, sprinkle with minced parsley and, if available, minced fresh coriander (also known as cilantro or Chinese parsley). Serve very cold.
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SWITZERLAND

continued

High point of the Evening!

Next time you dine—ascend! Have an evening’s pleasure with Grand Marnier. Made exclusively with fine cognac brandy, Grand Marnier turns food flavors to gold. In fruit cup, Dark à la Fourne. Soufflé...frappé. Then after dinner...enjoy a mellow Grand evening’s pleasure with Grand Marnier. Made Marnier turns food flavors to In fruit noltl.

Next time you dine—ascend! Have an cheese—Gruyère or Emmental have a smooth texture. Add a good or a mixture of the two—cut in luri. is where one finds real gastronomy. The general level of preparation is so good that we shall take time to mention only one or two specialties. The most famous is la fondue, a melted cheese dish which must not be confused with a Welsh rarebit. Each chef has his secret proportions and flavorings for fondue but the basic recipe is as follows: Bring white wine to a bubbling point in an earthenware dish which you have rubbed lightly with garlic. Drop in the Swiss cheese—Gruyère or Emmental or a mixture of the two—cut in tiny bits, stirring with a wooden spoon until it is melted and you have a smooth texture. Add a good dollop of warmed kirsch, white pepper, perhaps a touch of nutmeg. Place in the middle of the dining table on an alcohol lamp, burning low. With a long fork, each person dips little cubes of bread into the dish. If you let your bread drop into the dish, you have to pay a round of white wine. So you see, a fondue is not only gastronomic, but a bit of a sport, and it must be digestible for it is a favorite after-theatre dish.

Lake Geneva is the haunt of a rare and wonderful fish called the omble chevalier. According to the encyclopedia, it is satellitae alpinus, a member of the salmon family, probably landlocked in Lake Geneva when some geologic upheaval, eons ago, blocked off the river Rhüne and formed the Lake Geneva of today. The salmon managed to survive, shrunk to 30 inches or less in length, and now spend their lives in the cold bottoms of the lake, a thousand feet deep, coming to the bank only to spawn. Since it is a great pleasure to take them at spawning time, and only the professionals go after them, I imagine it is quite a trick to catch an omble chevalier. This fish is never shipped out, except on special occasions. A couple of years ago I was in a well known fish restaurant in Paris when the Duchess of Windsor, who is a famous gourmet, came in for a lengthy conversation with the manager. When she had gone, I asked him if he could tell me what it was all about. He said, “Yes, next week is the Duke of Windsor’s birthday and the Duchess wants to give a very special luncheon, including the best fish in all the world.”

Some sort of hunch made me ask, “An omble chevalier?”

“Exactly; that’s what I think too; I shall arrange to fly in a couple from Geneva.”

So, whenever you are on the borders of Lake Geneva, make a special effort to order this rare dish, either in one of the lakeside inns or in one of the fine town restaurants such as Le Gentilhomme, Amphytrion or Le Béarn. Order it with one of the flinty white wines of the Vaun canton, which are the best in Switzerland.

On the south bank of the Rhüne, near the business section of Geneva, is a restaurant, L’Or du Rhüne, worth mentioning for its special grilling of meat before the fire, made from sarments de rage, which are grapevine prunings or old stumps from the vineyards. The coals, quickly consumed, give a blistering heat, but also an aromatic smoke that does wonders for a chicken.

Congratulations! Your boeuf bourguignon was really inspired. And there's inspiration for hundreds of other delightful recipes in House & Garden’s monthly Cook Book sections. They're meant to be removed from the magazine and added to your permanent kitchen library, and a beautiful, sturdy Cerulean Blue binder will hold your collection. Order yours now (it's embossed: House & Garden's Cook Books) by sending $1.50 with the coupon below. If you've already filled one binder, why not start another?

Because of many requests, House & Garden is also making available a free list of its previous Cook Book sections. A limited supply is still available, so if you've missed any, here's the opportunity to complete your collection. They make fine gifts, too.

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New mar-resistant laminate featured in Youngstown Kitchens Woodcharm Line brings you the lustre of fine furniture wood in a splinter-free, washable finish!

Only Youngstown Kitchens, master-craftsmen of kitchen cabinetry, captures the beauty of wood in today’s newest, most practical materials. Exclusive new laminate resists grease and steam, food acids and alcohol...resists warping...even polishes itself as you sponge it clean. Honeywood is just one of a choice of beautiful laminates fashioned into doors on easy-to-clean steel cabinets. Plan your own complete kitchen from dozens of cabinet styles and sizes in the “Woodcharm” Line now at your Youngstown Kitchens dealer.* Or save on the special pre-planned Honeywood “package” shown here.

For free, expert kitchen planning and remodeling service, have a Qualified Dealer contact you. Write to Youngstown Kitchens, Warren, Ohio. *Also available in Canada

For Homebuilder's Scrapbook

Here are five new products to consider when building, remodeling or repairing your house.

Portable air purifier removes dust, pollen, smog, smoke and grease from the air in any room up to 15' x 15' in size. Housed in a lightweight aluminum casing, the unit is easily moved to any location. $39.95. Chico General Products Corp., 1229 Bayshore Highway, Burlingame, Calif.

Household hygrometer, 3½" x 4½", is a precision instrument designed to measure relative humidity. It can also be used to check the efficiency of the humidity control in your air conditioning system. $7.95. Elden Sales Promotion Co., 920 E. Lincoln, Birmingham, Mich.

A new type of ceramic flooring is available in units 9" square and ½" thick. Each unit is made up of 1" x 1" ceramic pieces fused into a rubber grid and is installed on the floor in the same manner as vinyl tile. The United States Ceramic Tile Co., 217 4th St., N.E., Canton 2, Ohio.

Push-button plumbing controls supply hot, cold or warm water at a touch. Each button is color-coded and labeled for easy identification. The controls may be placed in any convenient location. American Sanitary Manufacturing Co., Abingdon, Ill.

Roll-up aluminum ladder is lightweight and easy to store. When unrolled and locked (by means of a lever), the ladder is completely rigid and strong enough to support 1000 pounds. Its 12' length rolls up into a 20" diameter weighing 18 pounds. Aladdin's Products Inc., 50 West Broad St., Columbus, Ohio.

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You can turn a pantry into an auxiliary kitchen by adding cooking units and a sink.

Remodeled serving pantry, just off the main work area of Mr. and Mrs. Brickman's kitchen, has a sink deep enough for flower arranging, two foldaway burners and storage for china, glass and silver. For big parties, the pantry serves as a secondary kitchen where dessert and coffee can be prepared. The family also uses it as a snack and breakfast preparation center for meals in the adjoining breakfast room.

Buy your kitchen in a "package"...save on the "package" price! ONLY $289.95 for this complete Honeywood Youngstown Kitchen.

Pamper your budget! This complete 5-foot "package" kitchen gives you storage space to spare in the handsome wall and base cabinets...a mar-resistant finish...large, easy-to-clean sink bowl of fine porcelain enamel...heavy chrome mixing-faucet...continuous counter top...four modern pull-out "shelf drawers" concealed behind the smart stain-resistant doors. "Package" kitchens in dozens of other sizes and arrangements are also available at your Youngstown Kitchens dealer.

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How to choose and use an ELECTRIC FLOOR POLISHER—
the magic key to beautiful floors

Despite its rather specialized label, the modern electric floor polisher has relieved us of the job proverbially rated the toughest, sloppiest, lowest, most boring chore of housekeeping—scrubbing floors. For these machines are designed to clean the floor as well as polish it. Many of them even take over the job of applying the cleaner and the wax. Basically the floor polisher is an electrically powered machine about the size of an upright vacuum cleaner, to which a variety of brushes, pads and buffers (see below) may be clipped on and just as easily removed. Sometimes a rug shampooing attachment is included as standard equipment, but primarily the polisher is designed to be used on bare floors. Different makes vary in weight from ten to twenty-four pounds but added weight does not seem to improve performance.

To use a floor polisher, you proceed in the same manner as you do when you shine shoes. First you clean, then wax with whatever type of wax is recommended for your flooring. Finally you polish and buff. The most sensible course is to apply the wax sparingly and let the machine work for you—for only the thinnest layer of wax is required to give protection and beauty.
Above the wall cabinets space which is usually forgotten may be put to work by using the wood or metal tracks now obtainable at most hardware stores or lumber yards. Mount one track on the top of the cabinet; fasten the other to ceiling directly above; fit sliding doors of hardboard or plywood between them. Earmark these cupboards for the storage of items you use only occasionally.

Between two doors you may find unused space just wide enough to accommodate a few extra cabinets. The arrangement sketched, right, is composed entirely of standard wall cabinets, 30" and 18" high by 12" deep, which have been installed with plywood side panels and a molding to give the effect of built-in furniture.

Under the wall cabinets is another possible place for storage which many people forget. The 5 or 6 inches at the back of the countertop, normally unused, can be filled in with a simple shallow cabinet with sliding doors and a shelf. It will hold many of the small items that tend to clutter up wall cabinets. You might add a tilt-out canister cabinet bought in a department store.

Between a wall and a door a shallow cabinet only 6" deep can store a surprising number of things. Fit it with a fold-back louvered door. Shallow shelves are particularly useful for keeping glassware, bottles and extra supplies of canned foods in order and quickly available.

How to choose a toilet seat...

You have two choices. You can simply go out and buy a seat—or you can choose one. Making that little bit of extra effort is well worth while, as you will see.

- "SOCIAL SECURITY"—When guests are alone in your bathroom they see and judge—everything. That's why it is important that everything in your bathroom reflect your good taste. A Church Seat, for example, is recognized instantly as a mark of quality.

- CRAFTSMANSHIP—Some seats start to show wear in a year or two and a worn toilet seat can spoil the appearance of an otherwise attractive bathroom. However, when a seat is well made, it will last—and stay good looking—for many years. Church Seats are made of the finest materials, built to assure strength and durability.

- DESIGN—Don't consider the purchase of a seat so casually that you overlook proper design. The line of Church Seats includes all the desired features—large streamlined cover—scientifically designed saddle seat—heavy plastic covered concealed hinge—all properly proportioned for snug trim fit on the bowl.

- VALUE—There's a Church Seat for every type of home—from the modest ranch house to the most pretentious mansion. They cost no more than others and are backed by the reputation of Church to satisfy the taste of the most discriminating buyers.

So choose your seat—choose a Church Seat from a wide range of styles, colors and prices. Ask for them by name in leading stores everywhere.

Church

' the best seat in the house...'

Church  

American-Standard  

Left. Church Division  

American-Standard is a trademark of American Radiator & Standard Sanitary Corporation.
PARTY SANDWICHES

BY JUNE PLATT

Here are tips and recipes for making sandwiches that are a decorative asset to any party

SPREADS

MUSTARD BUTTER: Add prepared mustard, salt and paprika to taste to softened butter.

GREEN BUTTER: Mix very finely chopped watercress or chopped olives with creamed butter.

HERB BUTTER: To each 2 ounces of butter add 1 tablespoon of finely cut or chopped fresh herbs, or 1/2 teaspoon of powdered dry herbs. Basil, chervil, tarragon, thyme, rosemary, chives or dill may all be used. Cream the butter, which should be unsalted, add a few drops of lemon juice. Add the chopped herbs, stir well and it is ready for use. If dried herbs are used, add finely chopped fresh parsley for appearance's sake.

ROQUEFORT CHEESE BUTTER: Mix together 1/4 cheese with 3/4 butter.

CURRY BUTTER: Add 2 teaspoons of good curry powder to 1/4 pound of creamed butter and stir. Add a pinch of salt and a drop or two of onion juice and mix well.

GARLIC BUTTER: Use a garlic press and add a drop or two of garlic juice to 1/4 pound of creamed butter.

CARAWAY SEED BUTTER: Crush 1/4 teaspoon of caraway seeds and mix well with 3/4 pound of creamed butter.

LEMON OR ORANGE BUTTER: Add a few drops of lemon juice. Use 1/4 ounce of onion juice and mix well. Add the rind of 1/4 pound of lemon or orange to 1/4 pound of creamed butter. Add 1/2 teaspoon of creamed butter. Add the mixture a spoonful or two of creamed butter.

APPLE BUTTER: Mix together 1/4 cheese with 3/4 butter.

HONEY BUTTER: Mix together in equal quantities creamed butter and clear honey and stir into the mixture a spoonful or two of strained lemon juice.

ANCHovy BUTTER: Rub the yolks of 4 hard-cooked eggs with 4 boned anchovies, and rub through a fine sieve. Stir in 1/2 cup of softened butter. It is difficult to give exact quantities for butter spreads and

HI-FI STEREO • HI-FI RADIO • HI-FI TV

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Olympic Radio & Television, 34-23 38TH AVE., LONG ISLAND CITY 1, N.Y.
fillings for sandwiches, but generally speaking, it may be of some help to calculate that 1/4 pound of butter (8 tablespoons) will spread, not too lavishly, 16 slices of bread. It is well to count on 1/4 cup of filling for a normal sized sandwich.

**Sandwiches**

**CALLA LILY SANDWICHES**

Remove crust from whole loaf of fresh white bread. Slice very thin and trim into neat 2 1/2” squares, then cut off a corner of each square. Lay the pieces on a damp cloth as you make them. Roll liver pâté or American cheese in the shape of the stamens of calla lilies (see well chilled butter paddles dipped in ice water to make the rolls). Butter each square lightly, tuck a stamen in each, and roll to represent lilies, using a little extra butter to secure the rolls. Butter each square. Lay the pieces on a damp cloth and chill for half an hour or so. Wrap each one in waxed paper. Place in refrigerator until filling is hardened a bit. Slice crosswise like jelly roll and serve.

**CHECKERBOARD SANDWICHES**

Prepare well softened plain butter, or your favorite seasoned butter spread. Take 6 1/2” slices of whole-wheat bread and 6 1/2” slices of white bread and spread with a thin coating of the butter. Make 4 sandwiches of the 12 slices by putting 1 slice of whole-wheat between 2 of white and vice versa, taking care to place each top slice spread side down. Press well together, place on flat tin covered with waxed paper, and chill for another hour. Slice the piles in 1/2” thick slices, arrange attractively on sandwich plate, and serve. This recipe should make 20 sandwiches.

**PINWHEEL SANDWICHES**

Remove all crust from a very fresh whole loaf of white or brown bread. Slice lengthwise as thinly and evenly as possible. Place slices on a damp cloth. Spread with a little well creamed butter, then with any suitable spread. Roll tightly, short side before you. Wrap each one in waxed paper. Place in refrigerator until filling is hardened a bit. Slice crosswise like jelly roll and serve.

**INLAID MOSAIC SANDWICHES**

Remove crusts from a whole loaf of whole-wheat bread and a loaf of white bread. Cut in thin, even slices. Stamp out of each 3” rounds. With a sharp knife, cut crosswise into 1/2” wide slices. Spread the cut side of each with more spread, then stack in piles of 5, alternating brown with white so that the small end of the pile is like a checkerboard and the long is striped. Be sure to place the top slice spread side down. You will now have 4 piles. Place these on the tin again, cover with waxed paper, and weigh down again with board and chill for another hour. Slice the piles in 1/2” thick slices, arrange attractively on sandwich plate, and serve. This recipe should make 20 sandwiches.

**ROLLED SANDWICHES**

With a sharp knife cut off all crusts from a very fresh whole loaf of white or whole-wheat bread. Slice as thinly and evenly as possible. Lay the slices as you cut them on a damp cloth and keep them covered with another damp cloth. Spread lightly first with well creamed butter, then with any of the spreads or fillings given above. Roll each slice tightly; place on platter, outer edge down. Cover with waxed paper and chill for half an hour or so. Tuck a spring of watercress in each end before serving.

**RIBBON SANDWICH LOAVES**

Remove all crusts from a loaf of white bread and a loaf of whole-wheat bread and trim the 2 loaves the same size. Cut each loaf

Continued on page 188

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Master craftsmen have never more faithfully recaptured the charm of our Colonial heritage than in this new collection ... adapted so beautifully to your requirements for today's and tomorrow's living. The finish is an exclusive mellow Spice Brown, "scratch-resistant" for a lifetime of service. Solid hard rock maple throughout. Hand finished, and artfully so. Bedroom, dining room, living room. All at prices much smaller than you would think for furniture of such fine quality.

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The eleven large drawers of this magnificent triple dresser are as smooth inside as out. Never a snag or a tear.

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The new Piilotron CR Filter by Goodyear proved a revelation to the laboratory men who put it through exhaustive tests. Here, at last, they found, was an air filter that stops more minute dust particles—particles that sift through many other types.

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Not Just a Surface-Loader. Secret of this outstanding effectiveness is the way a Piilotron Filter traps dirt throughout its depth—not just on its surface. That's due to a permanent electrostatic action which helps to stop and hold the fine dust the way an electrostatically charged comb picks up bits of paper.

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Lasts for the Life of the System. The new Piilotron CR Filter is a really permanent filter, too. With a minimum of care it will serve you for the life of your heating or air-conditioning system. For the whole time-saving, money-saving story, just use the coupon below—or see your heating or hardware dealer.

PARTY SANDWICHES

continued from page 187

lengthwise in 1/4" thick slices. Spread each lightly with well creamed butter. You will then have 5 long slices of brown bread and 5 of white. Place a white slice on a board, buttered side up, and spread with some finely chopped watercress mixed with very little mayonnaise. Take a brown slice, and lay it, butter side down, on top of the first. Spread with pâte de foie gras softened with an equal quantity of well creamed butter. Cover with a third slice of white bread, butter side up, and spread with finely chopped hard-cooked egg mixed with mayonnaise (2 tablespoons of mayonnaise to 1 egg) and seasoned to taste with salt and freshly ground black pepper. Cover with a fourth slice of whole-wheat bread, butter side down, spread with a little additional butter, then with watercress and mayonnaise, and cover with slice of white bread, butter side down. Wrap the whole loaf in waxed paper and place in refrigerator for half an hour to chill. To make second loaf, repeat the process, starting with a brown slice this time. Loaves may then be sliced crosswise, making striped ribbon sandwiches. Alternatively, slice only one loaf and liberally coat sides, ends and top of the other with pâte de foie gras softened with mayonnaise and garnish with watercress. Place on platter and cut at table in 1/4" thick slices. Serve on small plates to be eaten with a fork.

PLAIN WATERCRESS SANDWICHES

Wash and pick the leaves from 2 bunches of fresh watercress. Dry and place in the refrigerator in a cloth to chill. To make sandwiches, chop cress lightly on a thin knife. Place in bowl, add a tablespoon of mayonnaise and salt to taste. Spread between very thin buttered slices of white or whole-wheat bread. Trim off crusts and cut sandwiches in half lengthwise.

CUCUMBER SANDWICHES

Peel 2 small tender cucumbers and slice very thin. Cook in salted and chilled for 1 hour. Cut 16 slices of white bread as thin as possible and butter. Drain cucumbers well and pat dry with dish towel. Cover 8 of the bread slices with the cucumbers and sprinkle lightly with coarsely ground pepper. Cover with the remaining 8 slices of bread, butter side down. Remove crusts and cut in two lengthwise. Serve as soon as possible after making. For variety, spread bread with dill butter.

TOMATO AND WATERCRESS SANDWICHES

Wash 1 bunch of watercress, remove all tough stems, drain and pat dry. Chop cress not too fine. Prepare 2 cups of diced, peeled, drained, ripe tomatoes. Season with about 1 teaspoon of celery salt. Add 4 tablespoons of mayonnaise to the tomatoes. Spread on 8 slices of buttered bread. Cover with chopped watercress and several slices of buttered bread. Press lightly together, remove crusts and cut in two or four.

ROLLED ASPARAGUS SANDWICHES

Trim crusts from fresh bread sliced thin, white or whole-wheat. Roll with rolling pin. Spread to edge with soft butter. Lay green asparagus tip across end of each roll up, place seam down on cookie sheet. Cover with waxed paper and chill until ready to serve.

TOASTED MARMALADE AND BUTTER SANDWICHES

Spread 4 or 5 thin well buttered bread slices with orange marmalade. Top with another slice of buttered bread. Remove the crusts and cut into pieces about 1" by 3". These may be made in advance. Keep covered with a damp cloth till ready to toast; then toast quickly on both sides and serve piping hot.

PETITS PAINS AU CHOCOLAT

Split small or large soft rolls lengthwise, but not all the way through. Insert in each a bar of good sweet chocolate. Place on tin in moderate oven long enough to warm the roll and soften the chocolate. Eat at once.

CHOPPED WALNUT AND WATERCRESS SANDWICHES

Wash and remove leaves from a bunch of fresh watercress, dry leaves and chop fine. Add 2 tablespoons of finely chopped English walnuts and a very little mayonnaise. Salt to taste. Butter 12 thin slices of whole-wheat bread, spread 6 with filling, cover with remaining slices and trim off the crusts. Cut in four.

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MINNESOTA

Minneapolis — Dayton's
St. Paul — Dayton's-Schunemann's

MONTANA

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Brooklyn — Abraham & Straus
Buffalo — Adam, Meldrum & Anderson
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SHOPPING INFORMATION
All prices approximate. Include Federal tax.

Kitchens
Pages 144, 145:
Stainless steel wall ovens, dropped-in stainless steel electric cooking top, four cooking units; combination washer-dryer; dishwasher. G. E. Countertops: White Formica, silver and gold flecks.

Pages 146, 147:


Pages 148, 149:

Ventilator, stainless steel hood. Trade-Wind.

Stool, height adjustable 17" to 23". designed by Egon Eiermann. At Designed for Living.

Leisure furniture
Page 161:
1. Coffee table, 24" diam., 18" h., $115; bird cage, 17" diam., 44" h., $275; armoire, $55. By Molla.

English Regency, French and Italian Empire, two of the world's great classics, become contemporary masterpieces of enduring elegance in White's newest dining and bedroom Collection. See the

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![Newest style note: Twin Swing Beds](image)

![Double-duty Divan Bed](image)

![Kingsize comfort: Double-Twin Bed](image)

**SHOPPING INFORMATION continued**

$60. By John Salterini Co.

Turtle bowls, hand-carved mahogany, $9.50 to $24.50. Hat, from a selection of 30 to 40; mahogany planter, copper lined, $17 h., $45; screen, black lacquer frame, woven rush panels, 6 h., $110 per panel; rush matting, 6' x 8', $40, 8' x 10', $60. At Jamaican Originals, 145 E. 62nd St., New York. Tumblers, "Needlepoint," hand blown, $1.50 each. By Fostoria Glass. Galuchat," $3.50 to $10. At Assuam, 902 Lexington Ave., New York. 4. Café table, 30" diam., $19.95; side chair, $9.95; both from "Debonaire by Aristo-Bilt" group,Salmanoff.

**Page 162:**

1. Table, 42" diam., clear glass top, $183; side chair, $35; from Florentine group. By Lee L. Woodard. 2. Director's chair, "Oriental," $15.50. By Telescope Folding Furniture Co. 3. Chair, designed by Norman Hekler. At Otto Gerolian Co., New York, through decorators. Mitting stool, 17" h., 14" w., mahogany, $16.50; lighter, mahogany, $16.50; lignum vitae goblet, $8; ash tray, brass and turquoise, $16.50; felt cushion, Haf "Empire Green and Abie Lah Green," $25; mahogany magazine rack, brass handle, 13" h., 10" w., $67.50. At Jamaican Originals, 145 E. 62nd St., New York.

**Page 163:**


**Page 164:**


**Page 165:**

4. Armchair, 48" h., 30" w. in muslin, $142. By Ficks Reed. 5. Armchairs, 40" h., $55; table, 36" diam., $92; both from Arubug collection. By Gallo Furniture Co. cupboard, $81; goblets, $2.50 each. At Lord & Taylor, New York. 6. Cobweb chair, about 30" diam., $25. At Hammacher Schlemmer, 145 E. 57th St., New York. Kabuki towels, $2.98 ea. By Fieldcrest. 7. Canopied table, 32" x 32"; Sarah canoe; overall height, 78½", $156. Side Chair, $42; both from Pavilion group. By Troy Sunshade Co.

**The lattice look**

Page 166:


Sterling Silver Flatware: "Continental" 6-pc. luncheon setting, $42.50. By International Silver Co. Salad bowl, $18; bread tray, $10; serving tray, $3.50; all black Grammer. At Lord & Taylor, New York. Salt shaker and pepper mill 7½" h., $13.50 ppd. At Designed for Living, 121 East 57th Street, New York. Flamestone coffee pot, $15.95; demi-tasse, $4.25. At Bloomingdale's, New York.


**Page 167:**


Page 168:

LOOK IT UP

continued from page 114

SCIENCE

Golden Nature Guide Series Zim, Herbert S.

Birds—a guide to familiar American birds.

Flowers—a guide to familiar American wildflowers.

Rocks and Minerals—a guide to familiar minerals, gems, ores and rocks.

Seashores—a guide to shells, seaplants, shore birds and other natural features of American coasts.

Stars—a guide to the constellations, sun, moon, planets and other features of the heavens.

Weather—a guide to phenomena and forecasting.

New York: Golden Press. Paper bound $1 each. Cloth or hard cover $2.50 each.

MISCELLANEOUS


For readers who would like to bone up on some of the subjects which appear between the covers of H&G, here is a sampling of books we consider to be tops in their fields:


How to Know American Antiques Winchester, Alice. New York: New American Library. 1951. 50 cents.


COSTS JUST PENNIES! Low in cost, high in efficiency, easy to install, inexpensive to operate—that's a Caloric incinerator! Ends garbage-carrying, trash-dumping, and piles of refuse waiting for collection—for just pennies a day! Nothing's more sanitary than a new smokeless, odorless Gas incinerator! AMERICAN GAS ASSOCIATION

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AUTOMATIC, FOOLPROOF! Caloric operates easily. Turn lever to "lock". Set dial to "secret", "normal" or "dry". Dial automatically locks loading door and ash drawer, starts burning cycle. Cannot be opened, by mistake or by children, until combustion is finished, when unit shuts off and unlocks.

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ONLY GAS does so much more... for so much less!"
THE NEW LEISURE FURNITURE
continued from page 102

The news is: the wonderful variety of chaises
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Linen-like Saran in a palette of gay parfait colors, a trimming of fringe, give a holiday air to an aluminum-framed lounge. Wheels and adjustable back aid sun worshipers. Troy Sunshade Co. $81.

A sleigh base with non-scuff runners is equally kind to paved terrace or playroom floor. Available in 19 baked enamel finishes on aluminum; seven pretty lacing colors. Brown-Jordan Co. $70.

Convertible chaise, a couch for basking outdoors or sleeping an extra guest indoors, has a handsome redwood frame equipped with wheels for easy commuting. Tufted pad comes in cotton or plastic. John Hancock. $27.

A built-in pillow and a foam-rubber padded canvas sling are the luxurious features of the "Sun Scoop," metal-framed lounge with caster legs. W. Wes Williams. $179.

A swivel canopy keeps the sun out of your eyes, off your book. Tie-on cotton- or vinyl-covered foam pad spans unusually broad, metal mesh seat. John B. Salterini. $120.

Criss-cross webbing of resilient vinyl provides air-conditioned comfort, a good combination for the drip-drying bather. Vinyl wraps a firmly braced red or blue aluminum frame. Lawlrite. $49.95.

Here the serene forms and sophisticated ornament of the past merge with contemporary materials to express your wish for dining furniture in which beauty and service are indivisible. Rectangular table comes with easy-care top and legs of laminated walnut plastic, extends from 35x50 to 35x60. Sheraton chair backs match, have brass-finish detail.

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HOW TO BUILD IN EFFICIENT STORAGE

Additional storage is sometimes the bonus of a remodeling program, but more often it is one of the main reasons for undertaking the project in the first place. In making over an old house, you will probably want to amplify and reorganize the storage so it will be handier and hold more of your possessions. In a newer house the problem may be first to find space for extra storage, then to organize it so every inch pays its way. Here are ten solutions for various rooms—some in remodeled houses you will find elsewhere in this issue.

Lining a wall in the Strouds' remodeled house (page 138), a battery of closets 17' long but only 16'' deep provides shelves to ceiling for china, silver, linens. The new, flush doors are plywood.

Tucked above fireplace in the sitting room-guest room of the Stroud house is a cupboard for blankets and bedding, which was created when bookshelves and paneling were built around existing fireplace. Architect: Enslie O. Oglesby Jr.

Concealed by wood paneling when not in use, TV set in the Maslons' remodeled house (page 126) can be pulled out on its sliding shelf for viewing. When pushed back, the set is hidden by folding doors of vertical walnut boards to match this dining room wall. Architect: Ralph Rapson.
Recessed in wall of the Marquis remodeled playroom-kitchen (page 124) is a self-contained pantry which stores glasses, china, linen and place mats near both dishwasher and dining room, and includes space for ironing board. At end of the cabinet, next to planning desk, are shelves for cook books.

At one end of writing counter in the remodeled living room of the Marquis house, a niche was built into the wall with shelves for accessories and a compartment for a Japanese tansu (a set of small drawers). Architect: Robert Marquis. Continued on the next page

Fancy a soft-textured awning fabric glamorous enough to decorate the finest homes... yet tough enough to withstand the rigors of sun, wind, and rain. That's the remarkable new canvas now developed by modern textile chemistry. Available in magnificent colors, it gives you years and years of dependable service. Find out all the facts from your nearby canvas products dealer.
Whether it's nest tables such as these, cocktail, end, lamp, step or console tables... you'll find a style to fit your decorating scheme among Hekman's many fashionable groups. Hekman quality is famous... Hekman's modest prices are difficult to match.

Dividing a bedroom in the Anthony Reinacl's house in Scarsdale, N. Y., a free-standing storage wall (good idea for big rooms) separates sleeping area from dressing area. The 12' long rosewood unit has cupboards for blankets and drawers on each side of bed for personal belongings. Behind headboard is storage space for pillows and bed linen. At back of 4' deep unit is a long clothing closet facing dressing area. Night table, right, on each side of bed, is formed by drop drawer-front. Architects, Kramer & Kramer.

Efficient Storage continued

You can add storage to almost any room.

Between two rooms—kitchen and dining area—in Dr. and Mrs. Theodore K. Lee's house in Oakland, Calif., a pair of cabinets serves as a partition. Glass shelves open to both rooms; drop-down shelf forms a pass-through counter. Below china shelves there is space to store folding chairs. Architects: Campbell & Wong.
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Efficient Storage

Adjoining the carport, in the Malcolm McNaghtens' remodeled house in Santa Barbara, Calif., a room was added for storage of luggage, safe, files. Room includes a wrapping counter.

Bordering a walkway between kitchen and carport of McNaghten house, a storage wall with a whole series of compartments for trash cans, garden tools and supplies helps to eliminate clutter from the carport and adjoining yard. Architect: Lutah Maria Riggs.

Under bedroom windows in Dr. Frank Wanamaker's Seattle house, a counter-cabinet, 13' long, affords a lot of extra storage space for personal belongings. Each cupboard is about 2' wide, 18" deep. The marble top serves as a dressing table. Architects: Terry & Moore.

They sit at the summit

These four take their place with dignity and command at the top. The lounge chair: a spare frame belies its ease.

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The Stoddard Chair in mahogany, accented by cane back and brass shoes.

BRING AN OLD BATHROOM

When you remodel a bathroom in the house where you are living, you will have to expect about ten days of inconvenience and discomfort. But there are certain steps you can take to help speed up the work so that your daily routine will not be disrupted for too long. First, clear a path from your service door to the work area. Push aside furniture, cover rugs, and remove decorative accessories so that workmen trekking back and forth will not be slowed down by having to tip-toe around furnishings vulnerable to soil or breakage. Even though a contractor will be in charge of the work, arrange to have a responsible member of the family on hand at all times to take messages for electricians, plumbers and carpenters, and possibly to receive and sign for materials. You can also help to speed construction, when you are planning your remodeling, by selecting stock items that are easily and quickly installed such as those, below, which H&G used in remodeling the bathroom on page 140.

Lavatory with built-in faucets offered an important plus: no additional holes for faucets had to be drilled in the newly built plastic countertop.

A pull-out rod was installed at one end of the tub enclosure to hold drip-dry laundry, keep it out of sight. Wrinkled clothes can also be hung on rod to be steamed with shower door closed. Vertical grab bar over tub is essential safety device for tub-showers.

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Here is a step-by-step log of the work required to remodel the bathroom on page 140

1. **The plumbers** came in first to disconnect and remove the old tub, lavatory and toilet. Then carpenters took out the old cabinet and ripped up the linoleum floor. The first step in rebuilding was to cut out the wall and ceiling around the tub at the end of the room and also the wall above the lavatory. All of the heavy preparatory work took about two days.

2. **The carpenters** hung the storage cabinets (standard kitchen wall cabinets) and the new illuminated medicine cabinet which was connected to the existing wall outlet. After the plumbers had set the new tub in place the carpenters sheathed the furred-out walls with plywood. The old wallpaper was sanded down and then washed.

3. **The owners** hung the new wallpaper and laid the vinyl floor tiles (only feasible do-it-yourself parts of job) after a smooth surface of 3/4" plywood had been laid to bring floor up flush with level of marble slab, required by code, under toilet. Laying tiles over slab eliminated considerable cutting and fitting. Final step: plumbers returned to connect tub, lavatory, toilet.

---

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Dept. 71, 802 Pliamore Rd., Manhasset, N. Y.
A NEW LINEN CLOSET. (1) on plan, was built on top of concrete ledge at one end of chimney which rose through attic. (Ledge would have been costly to remove.) Doors at left of closet lead to storage space under the low-ceilinged eaves.

EIGHT-FOOT CEILING created by raising the roof made it possible to install big windows that make the larger bedroom (2) and the adjoining bath as light and airy as any room on the first floor of the house.

GENEROUS DORMERS. 8' wide, in smaller bedroom (3) and studio (at front of house where roof was not raised) are more satisfactory than standard dormers usually used for remodeling jobs.
When you remodel your house
REMODEL
YOUR LIGHTING

Improved lighting is an essential part of any remodeling project, for the minute you change the shape or size of a room, you automatically change the lighting requirements. The lighting will have to be newly balanced in any case, and if the room is enlarged, the total amount of light will have to be increased as well. Again, if you bring in more daylight by enlarging the windows, you will want to increase the amount of artificial light in order to avoid too sharp a change in the mood of the room after dark. Whatever new lighting effects you want, you will probably find them easier to achieve while remodeling, since it is comparatively simple to install modern devices such as concealed strip lighting or recessed ceiling lights at the same time you are paneling a wall, putting in a new ceiling or building new storage units.

Whether you are altering one room or adding a whole new wing some of the lighting ideas you might consider are:

• Floor outlets directly under the furniture on which table lamps are to be placed. (One good reason for working out your new furniture arrangements in advance.)

• Dimming devices that control all the lights in a room, so you can vary the light level.

• Silent-action light switches.

• Automatic switch plates to install in closet door jambs so lights go on when doors are opened.

• Strip lighting inside the curtain valance over a window-wall, to stand in for daylight when the curtains are drawn—or outdoor lighting to provide a night view through the uncurtained glass.

Here are three modern lighting techniques which might be adapted to a variety of remodeling projects:

1. Flush lights in the ceiling

This is a useful form of light to incorporate in any new ceiling, but it is especially good for basements where ceilings are likely to be lower than 8' and hanging fixtures would get in the way. So before you finish your basement ceiling, take advantage of the 10" or more of space between the joists to house ready-made fixtures that include lamp sockets, casings and diffusers. These come in squares and rectangles and may be installed so diffusers will be flush with finished ceiling.
2. Stair-tread lighting

When you expand your living space by remodeling the basement or the attic, make sure that the stairways up and down are well lighted. A single ceiling light often creates heavy shadows on a stairway—especially on one that turns—so it is safer to light the treads. On a straight stairway, a light for every third step would be adequate but every second step of a turn should be lighted. Since the risers between the steps do not provide important structural support, they can be removed and a low-wattage lamp installed behind each one. Risers can then be replaced by sheets of unbreakable plastic. Lights should be wired to controls at top and foot of stairs.

3. A luminous ceiling

This device turns the whole ceiling of the room into one broad lighting fixture. It is particularly good for small rooms such as an entrance hall, where it creates a welcoming glow, or a small bathroom or kitchen, where it provides an even level of over-all lighting. The proportions of such rooms are often improved by lowering the ceiling to less than the standard 8'. Attach a series of fluorescent fixtures directly to the ceiling. Hang metal frames for diffusers at least 12" below the ceiling by means of metal straps. Diffusing panels of glass or plastic rest on the frames in such a way that they may be removed easily when the lamps need to be changed. The true ceiling above lamps should be painted white to reflect light.

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LET YOUR
GARDEN FLOWERS
GO WILD

BY JEAN HERSEY

You have heard about the pleasures of bringing wildflowers from woods and meadows to your garden. Now, for an equally pleasant switch, consider setting some of your garden flowers run wild. Many perennials that grow in quiet dignity in your well ordered, well weeded border will, if permitted, happily contribute to another area the same color, fragrance and beauty they afford in the garden. Suppose you let them run loose in your own meadow or woods. Your own “meadow”, incidentally, need not be acres but perhaps just that area over behind the paper burner, along the drive or wall, any place that is not mowed lawn or cultivated bed. Neither need your “woods” be huge—a few trees casting shadows and shade and supplying a little protection are woods enough for this project.

Wherever you set them, when flowers naturalize they become as independent as the meadow blooms themselves, needing no watering, no weeding, no feeding, no care. This suggests an ideal way to simplify your gardening life without losing beauty—but rather gaining it. For after all, many of our garden flowers were once wild; the primly domesticated state in which we are used to seeing them isn't their natural one at all.

I was first inspired to experiment one day towards the end of summer when I found iris and corn trying to occupy exactly the same spot in our vegetable garden at the very same moment (we always grow flowers in the vegetable garden). I started uprooting the iris but it was so hearty that I simply could not bear to throw it away. Neighbors and friends took some but there was still plenty left. Shaking the soil out of the roots, I filled the little garden cart many times and with the iris down to the south end of the meadow had had its annual cut a few weeks before.) I tossed it over the rhizomes and promptly forgot them. This year up came the iris full of vigor and all of them blooming like mad. You might not succeed as casually with many perennials but in ways not much more complicated you can return to the uncultivated areas of your outdoors a great number of flowering plants. And the rewards will be great. Instead of that iris cluttering up our vegetable garden, where it needed weeding and some care, it now enhances the meadow and never a lick of attention does it receive except when we go to admire or pick.

You can be too careful

After we pursued the same philosophy in our small perennial border (we had one briefly), it was so uncluttered it became non-existent! But the plants that were in it have multiplied in the meadow, along our stream and against the stone walls where we scattered them. They are now producing flowers in far greater numbers than when they were confined to that limited border.

My mother's favorite flower was lily-of-the-valley. I always wanted some but hesitated because of the need for clearing an area, making a bed, keeping it tended. There is no place for such a bed on our wild meadows. But one day when walking in the neighboring woods we came upon remnants of a long since vanished house—only a bit of stone from the old cellar wall was left standing. The whole area in and around this was one mass of lily-of-the-valley—so solid and dense that no weed could perk up in its midst. If lily-of-the-valley would do that here, why not for us? With permission, I dug up some of the plants and settled them under the trees along our old stone wall.

Continued on page 221

Don't wait to inherit Spode

DISTINCTION you can afford

The Chateau Group was inspired by the classic simplicity of provincial French living. Brandt now makes 32 unusual living room tables and dining room pieces in this style. They're lovely warm cherry with an antiqued fruitwood finish and bright brass hardware. Ask to see them at better stores.

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WHEN IS REMODELING WORTHWHILE?
continued from page 119

An expert can also save you money if you have to rewire your house. Nowadays, people use more and more floor lamps, table lamps or wall brackets—so the obvious place to carry your wiring is close to the floor (perhaps in one of the hollow baseboards now made for this purpose) rather than in the ceiling, where we used to put most of the wiring and some electricians still put it. And an expert can help you in locating a new bathroom or in moving around your kitchen. If you can place new fixtures where they can be con­nected to existing water supply, drainage and vent pipes, you will be saving yourself a great deal of trouble and money.

Finally there are ways of saving money in refinishing the sur­faces of the house. A good rule of thumb, in this field, is to leave well enough alone: don't tear down plaster, don't tear up old floors, don't tear off old siding if you can possibly help it. Just cover up whatever is there. There will be times, of course, when you have to remove finishes that have de­teriorated badly and will tend to affect other parts of the house. But unless this is so, it is much better to cover up the existing surface with furring strips, then attach the new finished surface to these. You may lose an inch or two of floor space by doing this, but the lost space is by no means wasted, for the air spaces created between the old and the new surfaces give you added insulation and can conceal additional wiring. In remodeling a basement, for example, the air space between the old basement walls and floor and the new wall and floor surfaces will help keep the place dry. Face-lifting alone is not real­ly the most difficult remodeling problem. The reason many people move to a new house is that they need more space—or more space of a different kind and in a differ­ent place.

Most older houses built be­fore the end of World War II were often inadequate for anyone today except a bachelor who spends most of his time out of town. Yet many families have continued to hang on to these houses because of their relatively good location...
and their basic economy. In any case, the too-big (but impractical) house represents remodeling problems different from those of the too-small house.

The chief thing that is wrong with the houses built in the Nineteen Twenties and earlier is that they usually face the street. The front porch was a great thing in its day, when the street was a kind of communal meeting place. But now that most of our streets have been turned into gasoline alleys—and now that we have learned quite a bit about outdoor living in rear gardens—a house that faces the street has ceased to be satisfactory.

There are many versions of the street-oriented house, but most of them are generally similar in plan. First came the front porch; next came either a center hall or a hall along one side of the house, with a stair leading up to the bedroom floor. Off the downstairs hall, there would be the living room and the dining room (both of which, in the center-hall plan, faced the street); and, finally, there would be the kitchen and pantry to the rear. Sometimes there might be a kitchen porch in back of the kitchen itself, and this would effectively block the view of the garden behind the house. Originally the plan might have looked something like this:

A type of house very popular in the Nineteen Thirties also had a center hall, but the living room was placed at one side of the house so that it looked out both on the street and on the garden:

Such houses can be expanded fairly easily at the back, if the lot is deep enough—and there is no need to move the kitchen.

The No. 1078 Low Chest has exceptionally graceful lines. It is shown with a beautiful White and Gold finish as is the No. 201 Linenfold Clock. The No. 55 Chairs are richly finished Fruitwood with plumes in Black and the foam rubber cushions are covered with Dupioni Silk. All designs are by Robert Kuykendall and are but a few of over 70 pieces for the living room, dining room and bedroom. Consult your dealer about the "Colonnade Collection".

WONDERFUL IDEA FOR EXTRA LIVABILITY IN YOUR KITCHEN

Open your kitchen to the outdoors by installing a row of beautiful Andersen Gliding Windows over your sink. They’ll admit oceans of cheerful sunshine and fresh air. Close weathertight to seal out drafts and dirt. And they’ll let you keep tabs on backyard play while you work... or enjoy a restful view. Get 32 more ideas FREE by mailing the coupon below. For additional planning help, consult your architect, builder, lumber or millwork dealer.

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Please send my FREE copy of "32 Ideas for Window Beauty" plus other planning tips.

Name
Address
City Zone State

Continued on page 228
FIRST THINGS FIRST
Let Davey feed and spray your lovely trees

Sprucing up the man-made furnishings of your outdoor living room can wait—at least until you protect the living furnishings. Your priceless trees! How little care they require! What joy they give!

Now, at the beginning of the growing season, your trees need Davey professional deep-root feeding. Spraying, too. To protect them against the ravages of insects. To give you a summer full of lusher, lovelier foliage.

Davey tree care has a three-generation reputation for satisfaction. Davey experts are schooled and experienced to give TLC—tree-loving care—with the most modern equipment.

This summer, surrounded by cleaner, healthier, more luxuriant trees, you'll be glad you did first things first in your outdoor living room. Look up DAVEY TREE SERVICE in your phone book or write to

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THE OLDEST AND LARGEST TREE SAVING SERVICE IN THE WORLD

H&G's GARDENER'S
LET THE MECHANICAL MUSCLES DO YOUR GARDEN PUSH-UPS

Since the dawn of time, man has spent most of his waking hours devising ways of avoiding hard work. Nowhere have his efforts been more purposeful than in the garden—perhaps because gardening is essentially an enjoyable pastime, and anybody knows you do your best work when you are enjoying yourself. So the humming, purring, buzzing and roaring noises you hear in the nation's backyards come from some of the most astonishing labor-saving machines ever devised. And because gardeners are becoming masters of these machines with unexampled proficiency, you are now seeing some of the loveliest gardens on record, too. Use machines for garden drudgery, keep hands for garden craftsmanship—the more time and effort you save with the one, the more time and devotion you can spare for the other. So here is H&G's 1960 concentrated capsule summary of what's new in the newest garden-saving—and possibly people-saving—machinery, supplies and equipment.
MONTH

Working on the theory that you can't enjoy your garden if you run yourself ragged taking care of it, we devote these April pages to garden maintenance.

1 lawn care

OBJECTIVES: To reduce lawn mowing, trimming and sweeping to the briefest, simplest terms consonant with neat and healthy turf. Some home owners relish exercise walking behind a mower; others must ride at all costs. (It takes all kinds to make a lawn.)

TRENDS: Toward complete removal of clippings from lawn at mowing time or immediately thereafter; as opposed to tossing clippings back on grass as a mulch (fashions in plant culture change as do fashions in plants). Most notable features of new mower models: provision for grass catching (mechanically or by suction); also mechanized sweepers (to reduce pushing). Some mower makers stress "pulverizing" of clippings. Electric starters appear to be de-emphasized. Colors are ever gayer.

WHAT TO BUY: Still the same story: top quality reel mowers for table-top turf; rotaries for average-smooth to meadow-rough grass. Ride as you mow on big lawns; save time and walk on small areas. Basis for choice: first, an established brand; second, a dependable dealer who will service competently the brand he sells. Avoid cheapest "competitive" models.

COSTS: Walking rotaries, $75 to $150; riders, $100 to $275; reel types, $90 (walking) to $700 (riding). Trimmer-edges, $40 up. Sweepers, $35 to $50; power, $100 to $200. Good non-power reel mowers, $30 to $40.

2 tilling

OBJECTIVES: To stir, turn or crumble the soil without actually pulverizing it. To get adequate power for reasonable ground speed, yet maintain slow turning or tilling speed.

TRENDS: Toward small riding tractors, with attachments; also walking power units adaptable to several accessories. (Portable hand-held power tillers are worth watching.)

WHAT TO BUY: Single-purpose tools or power unit lines with heavy duty attachments and a first class, convenient power hook-up or "hitch."

COSTS: $100 for single duty walkers to $700 plus for day-in-day-out tractors.

Continued on next page

Cut it with Wiss

New Wiss Hy-Power Pruning Shears, with fitted vinyl grips, cut toughest limbs with ease. This No. 907-G, $3.25 at hardware, garden supply, and department stores everywhere. Others from $2.75 to $4.25.

Ask for your copy of the authoritative WISS PRUNING GUIDE from your nearest Wiss dealer, or use coupon below to order it direct.

OTHER FINE WISS CUTTING TOOLS

"Grass Master"
No. 701
$2.75
Easiest cutting grass shears made! Special vinyl "comfort" grips protect hands. $2.75. Others from $1.39 to $4.95.

"Landscaper" model is perfectly balanced. Tapered concave blades; one edge serrated to prevent slips. Others from $2.89.

Wiss Pruning Shears
No. 609
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Perfect for heavy trimming. Wide blade opening for maximum cutting capacity. Keenly edged blade...handy closing latch.

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Street
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J. WISS & SONS CO., Newark 7, N.J.
MECHANICAL MUSCLES continued

3 fertilizing

OBJECTIVES: To supply, with as little effort as possible, the basic and special nutrients needed by lawn grasses and plants generally to meet the critical demands of fussy gardeners or proud home owners (or both).

TRENDS: Toward "lightweight" fertilizers (more concentrated nutrients, less bulky "carriers"); delayed-release sources of nitrogen (to reduce frequency of application); granular compounds (to retard or prevent deterioration). Soluble concentrates still good.

WHERE TO BUY: From garden and supply dealers, distributors and retailers who handle established brands or, where region or climate impose special conditions, to meet suggestions of county agents, experiment stations.

COSTS: Variable. HaG's rough rule of thumb, based on yearly need of lawns for about 4 pounds of nitrogen in one form or another: from $10 to $20 per 1,000 sq. ft. of cultivated growing ground per season.

NEW fmc ORBIT-AIR

makes grass clippings disappear like magic as you mow

You'll be amazed! Grass clippings are gone! Once over and it's all over with the revolutionary new ORBIT-AIR! Your lawn is clean, smooth, beautiful, with no clippings to sweep or rake. The grass clippings, held in orbit until cut to fertilizer size, disappear into your lawn as you mow. The fine-mulched particles penetrate to the grass roots — giving your lawn that "putting green" look. Leaves disappear just as easily — wet or dry. You mow, clean and mulch your lawn in one operation with the ORBIT-AIR.

ORBIT-AIR is truly safe, too! ORBIT-AIR is the safest mower built. Its ground-hugging, fully enclosed steel orbit chamber, safety guards, front and rear, and adjustable flip-guard discharge cover assure complete mowing safety.

ORBIT-AIR — $99.95. Heavy Duty Model — $114.95, f.o.b. factory. (Prices slightly higher West of the Rockies and in Canada.)

The most important decision in the life of your lawn — is when you decide to buy an ORBIT-AIR.

In the hourglass-shaped chamber of the ORBIT-AIR the exclusive multi-pitch blades cut and recut the clippings into fine particles as you mow, providing organic mulch for a healthier lawn.

If you prefer not to mulch your lawn, just snap on the ORBIT-AIR bagging attachment. (Optional accessory.)

Write for free literature and nearest dealer

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South Milwaukee, Wisconsin

4 plant protection

OBJECTIVES: To prevent injury to plants from attacks by insects and diseases if prevention is possible; to cure infestations when they are observed; to eliminate competition from undesirable organisms or plants (weeds, crab grass) that threaten good plants.

TRENDS: Toward pesticides that will control large numbers of common insects without developing insect resistance to chemicals or endangering human or other animal life; toward pre-emergence herbicides, e.g., crabgrass preventers and selective weed controls.

WHERE TO BUY: Some recommendations as for fertilizers. And this goes for the equipment with which you apply the materials, since it often may be the same, e.g., spreaders and hose applicators.

COSTS: Impossible to estimate, though pre-emergence herbicides may cost up to $20 per 5,000-sq.-ft. lawn.
5 plant grooming

OBJECTIVES: To keep roses, fruit trees properly pruned and shaped; to remove cleanly and safely injured branches of trees and shrubs; to trim hedges, train espaliers, rake lawns, beds and borders; to dig holes.

TRENDS: Toward stainless blades (except for very big or critically tempered tools); toward better, cleaner, more functional design (fake "streamlining" aside); toward more dependable powered hand tools.

WHERE TO BUY: Good garden supply dealers and hardware stores franchised by reputable makers of saws, hedge trimmers, cultivators, secateurs (anvil and scissors).

COSTS: Hedge trimmers (electric), $80 to $40. Secateurs, $3 to $5. Saws and hand pruners, $3 to $10. Rakes, hoes, spades, etc., $3 to $5. Others variable.

6 watering

OBJECTIVES: To get adequate amounts of water into the ground rapidly yet gently enough so soil is neither washed away around plants nor compacted over roots.

TRENDS: Toward no-splash, no-wash hose waterers (perforated plastic, old-favorite canvas, dripless nozzles, atomizing sprays); toward jet impulse sprinklers, which may do a better job in areas of low water pressure than some oscillating sprinklers. Do-it-yourself underground sprinkler kits are deservedly on the wane, though the plastic piping that gave them initial impetus is of increasing landscape importance.

WHERE TO BUY: Regular garden equipment sources.

COSTS: From $2 for a good cast-brass nozzle to $25 for a fine sprinkler that will last you twenty-five years.
Easy does it!

STANLEY PRUNER
PA12
$2.50

High-carbon steel blade slices large branches with ease. New soft-feel grips of resilient plastic in Stanley yellow and steel-blue. Easy to see if dropped in grass!

FREE!

GARDENING HELPS
BOOKLET

Pick up your hardware store or garden center for this book. Always look for the name Stanley—first-quality of down-to-earth price.

STANLEY

GARDENING TIME IS ALL THE TIME

... SUMMER or WINTER

Don't miss one minute of your favorite relaxation... Get away from your everyday cares... Garden in the shady day or night... Just any time you please in one of Lord & Burnham's spacious, "climate-centralized" Orlytt. Fill it with your favorite plants and it will become the most enjoyable spot in your home.

The seed sowing is greatly dependent on the warming up of the soil and the draining away of excess moisture. Compaction, even by footprints, lets in the indescribable thrashing about with heavy-wheeled tools, prolongs saturation (by capillarity) with cold subsoil water and prevents the admission of warming spring air from above.

... Seed sowing invites the ritual parading of booted feet up and down the rows: first, to rake down the strip, perhaps, then back to pick up a hoe and down again to open the furrow, then back to get the seed and down again to plant it, then back to get the hoe again and down to cover the seed and tamp it, then back to start the whole process over again for the next row... Suggestions: carry seed packets and labels in your pocket; plant to a pre-arranged plan; have duplicate rakes or hoes, one at either side of the garden; perform two sets of operations in adjoining rows from one set of footprints (for example, cover and firm part of planted row A, on your left, and open part of the new furrow in row B on your right before advancing each step across the plot)... Who said seed sowing had to be a bore?

First Weekend

Saving steps, if we may be permitted to twist the phrase, the most saving steps in the April garden are the ones you do not take. Reason: the less you tread on the cold wet ground of early spring, the more you help the soil structure to return to good growing condition—frail, well drained of winter water, properly infused with springtime air. If you will pause before putting up your tools after a long Saturday's planting and review your comings and goings, you may—and probably should—be appalled at the number of times you stepped on the same ground. Nowhere is this trail-heading tendency more apparent, or more damaging, than in the vegetable garden, where speedy germination and emergence of seedlings is greatly dependent on the warming up of the soil and the draining away of excess moisture. Compaction, even by footprints, lets in the indescribable thrashing about with heavy-wheeled tools, prolongs saturation (by capillarity) with cold subsoil water and prevents the admission of warming spring air from above.

... Seed sowing invites the ritual parading of booted feet up and down the rows: first, to rake down the strip, perhaps, then back to pick up a hoe and down again to open the furrow, then back to get the seed and down again to plant it, then back to get the hoe again and down to cover the seed and tamp it, then back to start the whole process over again for the next row... Suggestions: carry seed packets and labels in your pocket; plant to a pre-arranged plan; have duplicate rakes or hoes, one at either side of the garden; perform two sets of operations in adjoining rows from one set of footprints (for example, cover and firm part of planted row A, on your left, and open part of the new furrow in row B on your right before advancing each step across the plot)... Who said seed sowing had to be a bore?

Second Weekend

Soil bank. This paragraph is strictly non-political and has to do merely with the basic importance of putting back into the soil this year the growth elements your plants took out of the soil last year. Nowhere is this more important, or more often neglected, than in the rose garden, where general cultivation and fertilization of the whole area each spring are usually not feasible because of the plants that remain in place. Fundamental renewal of the ground is quite possible, however, if, when setting new or replacement plants, you are at pains to enrich the soil dug from the planting hole before you replace it. Here is a useful routine where more than just two or three new rose plants are involved: Mix peatmoss, dried cattle manure, compost, superphosphate in a wheelbarrow; from this central supply, take basketfuls into the garden with you; mix two or three big shovelfuls of the supplemental mixture with the existing earth from the garden; use any surplus volume of earth to mound up around the base of the new plants until top-growth starts... This barren-to-basket-to-garden ritual will actually save steps (see First Weekend above) and insure a uniform supplement... The new plant should always be "hilled" up for at least two weeks after the dormant bush has been put in place. No matter how warm the weather, there is always risk that the new shoots, no matter how far advanced, will dry out before the full growth cycle of the plant be comes established. Many birds will shivel anyway in contact with the air and sun. But formation of new basal "breaks" will be speeded under the protection of a 6-inch mound of earth.

Special delivery. The postman is likely to ring not twice but half a dozen times at this season (have you noticed, by the way, how often a prized package arrives on Monday, after the weekend work is over?) to deliver what you ordered earlier from the new catalogues. When the shipments arrive too thick or fast for ready assimilation into the garden, you have two alternatives: (1) "heel in" the plants (setting them in planting rows in trenches where they may be shaded while their roots soak up needed moisture for a few days); (2) leave the plants in the package they arrived in—provided the condition of the package assures good aeration without depriving the roots of essential moisture. This means, in two words, polyethylene packaging. With plants that good nurserymen choose to ship in this "permeable" water-tight plastic, you may often do as well to leave the package intact as to risk temporary planting... Whatever the nature of the package, and of the plants it contains, place your new acquisitions in their own garden positions as soon as you can after their receipt: the best package in the world is no substitute for sunny springtime loam...

Continued on page 221
STOP RAKING . . .

START LIVING . . .

Sweep lawn, patio and drive clean of grass clippings, leaves, twigs, all debris, the easy way . . . as you stroll along.

No more back-breaking hand raking again. Year round use: for spring clean-up; later on, for autumn's leaves. See your dealer . . . FREE DEMONSTRATION

THE PARKERETTE . . . 20 and 28 inch sweeping widths, America's most wanted lawn sweeper.

AMAZING NEW ROTO-SWEEP ACTION

Total sweeping power with quality Bassine brushes set four square on friction-free ball bearings. The result: Roto-Sweep action . . . a Parker Feature.

A PARKER SWEEPER FOR EVERY NEED

The Parkerette, the Springfield, deluxe hand-operated sweeper. The Homemaster, powered with 2 3/4 h.p. 4 cycle engine. The Electro-sweep, electric powered. And for garden tractors and riding mowers: The Suburbanite, with side dumping hamper, the Trailette, end over dumping, and the Estate Master giant 76 inch sweeping width. The Pelican Lawn Cart, 101 uses around the garden.

PARKER SWEEPER COMPANY • SPRINGFIELD, OHIO
FOR THE GARDENER'S BOOKSHELF

A collection of new titles that proves some gardeners are even more versatile between covers than they are outside in the garden.

To fill that "long-felt want" is the ambition of every author worth his ink. How pleasant, then, to report that the Nehrlings (Arno and his wife Irene) have plugged admirably a major gap in the bookshelf with their Peonies Outdoors and In (Hearthside Press, $5.95).

The authors have wisely chosen to communicate the basic information, an enormous amount of it, without indulging in fine writing or flights of subjective appreciation. They review in orderly fashion all the old ground (and much of the peony ground is, alas, very old) and indicate for the first time in a special book on the subject the enormously hopeful future that lies ahead in the development of new interspecific peony hybrids. In these hybrids—both the herbaceous garden types and the extraordinary tree peonies—lies the real news about this ancient and taken-for-granted flower. The Nehrlings (he is Executive Secretary of the prestigious Massachusetts Horticultural Society) have devoted almost as many pages to the showing and enjoyment of peonies as they have to selection and cultivation. And in lieu of extensive personal evaluation of varieties they include lists based on popular polls and opinions of specialists.

For the kitchen gardener (to name one kind), A Herb a Week (Tool Shed Herb Nursery, $1) is as good as an encyclopaedia. Arranged in the form of a simple calendar, the "work" provides seven paragraphs of invaluable information about each of fifty-two annual and perennial herbs (for the "seventh day," the authors provide an apt and pleasant quotation). You don't often get calendars that make as good reading as this.

People who would rather look at wood than grow it will delight in The Driftwood Book by Mary E. Thompson and Leonid Skvirsky (Van Nostrand, $5.95). With its practical how-to-arrange-it tips and 128 handsome photographs, the book climbs right into the show niche with the arranger. It should become the driftwood Bible.

A couple of dedicated professionals have come up with The Book of Landscape Design (Barrows, $3.95) that relates the past, present and possible future of an underrated subject. The authors are H. Stuart Ortloff and Henry B. Raymore, and their book, while it is informed to the point of erudition, is practical and readable. It discusses the origins of landscape architecture as such and tells the home owner how to hire a landscape architect and why.

For the dedicated gardener's reference shelf it would be hard to overlook A Handbook of British Flowering Plants (Abelard-Shuman, $10). While many of the plants described and illustrated with botanical thoroughness are known in American gardens, be not deceived into thinking this a guide to growing such plants in this country. It is not. It is confined to British species. Lovingly assembled, it would make a perfect gift for a flower devotee.

New, improved, richer way to feed flowers, vegetables, shrubs and trees

NEW PINK VIGORO
COMPLETE PLANT FOOD
the really-complete all-purpose plant food for more vigorous growth of foliage, flowers, fruits and roots

It's richer—More food per pound. Goes 30% farther. Less weight to carry.
Completely balanced—No guesswork feeding. The right amount of everything plants need except sun, air and water.
Easier to use—Clean, dust-free, odorless particles in a new, lightweight form.

Look for the new easy-to-carry bag at Garden Stores & Supermarkets
A DOZEN DIFFERENT WORK DO-ER'S
... custom lawnkeeping for every kind of grass that grows

What's under the bonnet of these new lawnkeeping beauties? The heartiest, huskiest grass cutting machines a homeowner ever had to choose from. Spanking new rotaries with fuss-free features like new instant Spin-Start (you just wind up and GO!) ... quick wheel cutting height adjustments (no fumblin' with tools) ... and Homko's own Planitor Drive. Reel mowers, too ... with 6 precision cutting blades (front throw or rear) to give your lawn the cleanest cut you can imagine. Riders? The finest in the field! Homko gives you the top quality mower in every class. Which one's best for you? See your Homko Dealer and decide!

NOW! Homko Flexor Blade Unconditionally Guaranteed to Eliminate Bent Crankshafts!

Thanks to its exclusive Flexor Blade, Homko now gives you lifetime insurance against the major cause of rotary mower repairs. If the blade strikes a rock or water pipe, the flexible tips swing back, absorbing the shock so that it cannot bend the crankshaft. Buy any new 1960 Homko Rotary featuring a Flexor Blade and this fully guaranteed protection is yours for as long as you own it.

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Write for complete line literature in beautiful color ... no obligation, of course.
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Color can lower ceilings, raise spirits, hide doors, renew floors. It can heighten, brighten, minimize or magnify.

COLOR IS MARTIN SENOUR PAINT — the charmed touch of decorating.
Make a wish in any color—and it’s yours — in any finish you wish. Or discover a rare color of your own—and the accomplished Martin Senour Dealer will match it, in minutes. Even painting with Martin Senour is more pleasure than problem — it flows on effortlessly, dries to a wondrous richness. Next painting make your plans with Martin Senour — outside, inside, all through the house — costs no more — always a shade more elegant.

COLOR IS MAGIC!

SURPRISING OR SUBDUED — there’s a Martin Senour Color for you in flat, semi-gloss or full gloss finishes. See all these exclusive stylist-created colors now at your Martin Senour Dealer—he’s listed in the Yellow Pages.
difficult to determine the level at which they stood in the soil originally. With small succulent plants especially, the depth at which you replant them may be very critical. Observe each plant carefully and, if you are not familiar with its nature, use great care to transplant it so the crown—that point where the root turns into top and vice versa—will be exactly at the surface after the watered-in soil has become settled around it. No matter what anybody says, you can’t go very far wrong if you are careful to follow that rule.

Fourth Weekend

Just one more. There never was a shrub border, however well planned, that could not spare the space for just one more particularly good plant—not one more of the same, but one other kind of plant. For example, in a planting rung strongly to broadleaf evergreens or to bedding azaleas, you can almost always find root room for, in the one case, a rather narrow deciduous accent plant such as a goldonia or a Stewartia (both with spectacular white summer blossoms); in the other case, an evergreen viburnum (F. rhytidophyllum, the leaf-leaf) or the new camellia variety Flirtation (Saluenensis-japonica hybrid). If your winters are severe, try the lost tree of China, the “dawn redwood” (Metasequoia glyptostroboides, so help us). This tree grows rapidly and attains considerable size, so don’t plant it against a house wall. ... Whatever you sandwich into a well balanced bed should provide accent of a harmonious sort, if that is not a contradiction in terms. Don’t put the too tall plant with the very low; neither need you put a big low plant with the very tall one. Above all, make sure that the new plant will have its own space of root room and no more. Where groundcovers are present, there may be little enough nourishment for shrubs that are already competing for sustenance, and you may be wise to root out the groundcover. Extra care with fertilizer and water will almost surely be required. ... But plant you must, somewhere. After all, are you going to stop gardening just because you don’t happen to need any more plants?

The most exciting
GARDEN CATALOG
.. in the world...today

To get your copy of this valuable new book, please send $1.00 to cover postage and handling. There is no other catalog to compare with it in size or wealth of selection. 256 pages filled with hundreds of true-color illustrations and helpful cultural directions.

SEND FOR THE WORLD’S FINEST HORTICULTURAL BOOK-CATALOG

33 MENTOR AVE., MENTOR, OHIO

Wayside Gardens

my soil used to be

HARD AS

A BRICK!

I had poor luck with
lawns, flowers and vegetables
until a neighbor advised
Terra-Lite soil conditioner!

now it's
rich and

loamy!

Everybody
enjoys my lovely
lawn and garden.

Terra-Lite is a time-defying water- and air-retaining mineral soil conditioner. It loosens and aerates hard, heavy soil, gives water-holding body to thin, sandy soil... turns the soil into a rich reservoir of air and moisture. This means luxy growth, lovelier lawns, gardens—less work, less watering. And only a few cents at square yard conditions your lawn or garden!

LET YOUR GARDEN FLOWERS GO WILD

continued from page 209

There they thrive with no care, producing masses of flowers each season. The first year or so I kept the weeds out—and now in December, if I feel benevolent, I give
the lilies a few tosses of manure. (Since they grow next to the mature pile this is simple.)

It's a hummingbird jungle

Bee-balm gave us another pleasant experience. Down in a semi-shaded area along the stream, where the ground is not boggy but never gets really bone dry either, there was a tangle of jewel-weed and miscellaneous grasses. I planted the bee-balm in the midst of the tangle. All I did was to sickle the area. This time I did not set the plants on top of the earth but in it, though I did not worry about surrounding weeds. In the three years since, they have grown and multiplied amazingly. We have the fun each year of watching the hummingbirds come to this plant for their summer dinners and from the terrace we often look down and see several ruby-throats hovering among the scarlet blossoms.

In our meadow, I set out a half-dozen plants of sun-loving coreopsis. I had seen fields of them running riot in New England, so I had no qualms. Ours have exceeded all expectations, spreading over three times the original area. All summer we can, at will, cut gold bouquets for the house.

One huge day-lily, a nameless but most beautiful golden yellow, flowers along a wall in semi-shade. It gets no attention from one year to another, yet all through each July it creates a sensation sending up the loveliest of yellow trumpets. Nearly thirty flowers come at once on our plant and, though we can see it from the living room windows, it is worth frequent trips outside to examine more closely.

There are many other plants that seem to do as well. Sometimes hollyhocks will grow wild and sometimes not—they are a bit temperamental. If you have an area around a pile of manure or compost where the soil is ever so rich and black and where it is sunny, hollyhocks are worth trying. Once I saw masses emerging from the edge of a dump in Vermont. If they do take hold and like it, they will return year after year, cross fertilizing and bringing a variety of colors and shades.

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YARD and GARDEN TRACTOR

221
H & G’s 1960 GUIDE TO LAWN MAINTENANCE

The difference between good and poor turf is often nothing more than the difference between good and poor maintenance. Grass is alive, and needs regular care if it is to do its best. Don’t be afraid that good maintenance costs more in time, money and effort than it is worth: often it avoids the necessity for costly reconstruction of neglected turf.

A program for proper maintenance should consist of at least four and possibly six parts, depending upon conditions. Mowing cannot be avoided, yet all too often is left to anyone who can be persuaded to go through the motions. The next three most important factors in caring for a lawn are seeding, feeding and watering. Watering is a variable requirement, critical in dry years or on droughty soils, less important otherwise. Pest control is the most neglected phase of maintenance and often makes the difference between a thick luxurious lawn and no lawn at all. So perhaps you should consider it first.

Don’t let insects or disease ruin your lawn

<table>
<thead>
<tr>
<th>PEST</th>
<th>CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROWN PATCH: Small “smoke rings” spread, killing out patches of grass. Blades light brown when dead.</td>
<td>Formula Z, Kromad or Arasan 42. Organic mercury compounds also effective.</td>
</tr>
<tr>
<td>EARTHWORMS: Need no description. Watch for worm casts.</td>
<td>Pre-emergence treatment with calcium arsenate also kills earthworms. Or apply chlordane, DDT or dieldrin to sod.</td>
</tr>
<tr>
<td>JAPANESE BEETLE GRUBS: Small whitish curled grubs in sod.</td>
<td>Same as for earthworms.</td>
</tr>
<tr>
<td>LEAF SPOTS: Various fungus diseases brown out bluegrasses and fescues in warm weather.</td>
<td>Same as for brown patch. Merion is resistant.</td>
</tr>
<tr>
<td>SOD WEB WORM: Small moths fly up when disturbed. Silky webs at base of grass blades.</td>
<td>Chlordane or DDT applied to turf.</td>
</tr>
<tr>
<td>WHITE GRUBS: Larger than Jap. Beetle larvae; white with darker heads, curled. Grass dies in patches, or may come away entirely if pulled.</td>
<td>Same control as for earthworms.</td>
</tr>
</tbody>
</table>

MOWING. Maintain a regular schedule. Never allow grass to grow long and then cut it back severely. Where you maintain a good feeding program, at least once-weekly mowings should be necessary. In early spring, the combination of high moisture and spring fertilizer may necessitate twice-weekly mowings. Bent grasses, where used, should be

Continued on next page
mowed at least twice a week, often if growth gets above 1" between mowings.

Height of cut: Most grasses are cut too long. This allows disease to build up at base. Formerly recommended as a partial control of crab grass, high mowing is no longer needed, because chemicals can now control this pest successfully. Do not juggle height of cut between seasons. Make any change in height gradually, not more than "/"" per mowing. These are recommended heights for various grasses:

- Common Kentucky bluegrass 1½"
- Merion Kentucky bluegrass 1"
- Other improved bluegrasses 1½"
- Fescues, in sun 1½"
- Fescues, in shade 1½"
- Poa trivialis, in shade 1½"
- Bermuda (1½" to 2½". Mow at least twice a week).
- Zoysias 1½" to 2½"

These recommendations are for lawns along the New York-Chicago line. Farther south, maintain 1½" to 2½" longer cut, farther north, same length or up to 1½" shorter.

SEEDING. It's not easy to change the type of grass in a lawn by simply overseeding one kind with another. (An exception may be Merion bluegrass, which will take over a lawn in three to four years if adapted to conditions.) Use same mixture as original turf unless a complete renovation job is needed. The earlier that seeding of thin patches is done, the better. To speed germination and shorten the period during which seedlings must compete with old turf, soak seed overnight. In the morning, rinse until water runs clean, then spread out to dry several hours on sheets of newspaper before sowing. Seeding on hard soil is useless. Tear up soil with a rake or a lawn renovating tool. Sow seed, then work it with the rake or tool so it is covered lightly. To be sure seed does not dry out, water at least 20 minutes night and morning on every day rain does not fall. The important point is to get new seed up and growing to minimize competition from weeds and established turf. Do not use chemical weed killers on new seedlings until lawn has been mowed at least twice (with sharp mower).

FEEDING. Modern fertilizing practices call for applying about four times as much nitrogen as formerly recommended. Today, for top growth, at least 4 pounds of actual nitrogen to 1,000 sq. ft. of lawn is recommended. This should be so applied that some nitrogen is available to plants whenever grass is in active growth.

If you use mixed ureaform fertilizers (newest and simplest way to feed a lawn): A single application, say 20 pounds of a 20-5-5 mixed ureaform to 1,000 sq. ft., made in early spring, feeds for an entire season. Such mixed ureaform fertilizers contain both quick acting and slowly available nitrogen, feeding early and late. They also contain phosphorus and potash, plus minor elements for complete nutrition.

If you use straight ureaform nitrogen: It releases nutrient slowly and does not contain other elements. Apply in early spring at rate of 10 pounds to 1,000 sq. ft. At same time, apply a mixed chemical fertilizer (20 pounds of a 5-10-5 or 10 pounds of a 10-6-4) to supply other needs. If clippings are removed, a second application at same rate of the chemical plant food alone—may be needed to supply more phosphorus and potash.

If you use lightweight 20-10-3: Approximately 20 pounds will cover 5,000 sq. ft. of lawn, for one application. To supply enough nitrogen for top-growth, use at least four additional feedings to follow first. This means feeding in March, April, May, June, July and August in New England; April, May, June, July, August and September farther south.

If you use regular mixed chemical plant foods: Still preferred by many, these should be used at higher rates than formerly recommended. In place of one application in early spring, four should be used: one as early as convenient in spring, the second on Memorial Day, the third on July 4th and the last on Labor Day (dates are not critical but help fix approximate application times).

Note: Rates above are designed to give better-than-average growth. Still better results will follow double-rate applications (except on fine-leaved fescues). If economy dictates, half of above rates can be used and should produce good average growth.

WEEDING. Pre-emergence controls: Newest method of fighting annual weeds is to apply chemicals in late fall or very early spring to prevent weeds from growing. Crab grass, annual bluegrasses, chickweed and knotweed are affected. With newest formulations, up to 100 per cent control of crab grass is possible. Chickweed is almost as successfully controlled, while Poa annua (dwarf meadow grass) and knotweed are suppressed so they do not produce viable seed.

Continued on next page
LAWN GUIDE

to plant protection

Other proprietary pre-emergence crab grass controls with similar properties are available. Observe two precautions: Follow directions fully and don't apply too late in spring. Otherwise, crab grass will not be killed and seeds of permanent grasses may not sprout. Never apply after apple tree blossoms show pink.

Post-emergence controls: Spraying (when air temperatures are above 70 and weeds are growing) with 2, 4-D or with a mixture of 2, 4-D and 2, 4, 5-T will kill most broad-leaf weeds. Exceptions are veronica, which can be killed with Endothal, and Vepeta hederacea (creeping Jenny), which needs a mixture of 2, 4-D and potassium cyanate. Crab grass, goose grass and barnyard grass can be killed (without injury to turf) by spraying with SODAR (DSMA) or liquid SODAR (OAMN + DAMA). Several applications may be needed: Don't, however, use on bents or fescues; for these, use phenyl mercuric acetate (PMAS). This will kill crab grass, but not goose grass or barnyard grass.

WATERING. Though overdone, watering is an important step in lawn maintenance. Except under very dry conditions, fescues are better off without any artificial water. The bent need water practically every day rain does not fall. Common Kentucky bluegrass and most of the improved bluegrasses should be watered to a depth of 4" to 6" and then allowed to dry out between waterings. Merion Kentucky bluegrass is an exception; it should be watered only enough to keep it from wilting. Overwatering is the major cause of rust. However, when you do water, deep watering is important because roots go deep in the soil. Allow turf to dry almost to wilting point before watering again. Do not confuse watering with syringing. The latter is using a light spray of cool water on lawns when air temperatures go above 90°. This is a golf course practice, not always too easy to apply to home lawns, though it helps. Do not substitute syringing for regular watering which serves an entirely different purpose.

PEST AND DISEASE CONTROL. A healthy, vigorous turf of permanent grasses can usually resist many of the troubles which attack weaker lawns. Proper maintenance helps reduce care needed. The chart on page 222 will help you recognize and treat your troubles. Follow manufacturers' directions in applying controls.

Peony: Blasted buds.
Tulip: Grayish mold on leaves, watery petals on flowers.
Lily: Oval brown leaf spots.
Azalea petal: Flowers brown and slimy.
Camellia flower: Brown flowers with hard centers.

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PES T

ANTS: Wingless 6-legged creepers with three-part bodies. (Winged males appear at times.)

APHIDS: Plant live with soft bodies. Feed by sucking. Pine and green on roses; black on ivy, chrysanthemum, nasturtium; red on delphinium; yellow on lily. Leaves are curled, buds deformed.

Pine bark aphid: White, wooly patches resemble whitewash.

COTTLE: Swollen tips on blue spruce twigs; at base of Norway spruce twigs. Cut off before July 1 and burn promptly.

BAGWORMS: Bags of sticks and twigs up to 2" long. On arborvitae, hemlock, larch, etc. Leaves are curled, buds deformed.


Elm bark: (carries Dutch elm disease).

Various adult beetles eat all types of flowers June to September.

BLIGHTS: Sudden wilting and death.

Peony: Blasted buds.
Tulip: Grayish mold on leaves, watery petals on flowers.
Lily: Oval brown leaf spots.
Azalea petal: Flowers brown and slimy.
Camellia flower: Brown flowers with hard centers.

HOUSE & GARDEN

The best control of garden pests is prevention—regular spraying or dusting with a general-purpose mixture that will control most diseases and insects found on your plants. Typical mixtures are formulations of phthalan, DDT and malathion, or captan, karathane, DDT and malathion. Where sudden heavy invasions call for prompt action, specific chemicals are needed. H&G's 1960 Guide to Plant Protection describes most of the pests commonly found on garden plants.

By all means respect the manufacturer's directions for the use of pesticides. To neglect them may mean failure to achieve control—even cause personal injury to the user. Modern insecticides are safe to use if precautions printed on the label are observed. Timing of special controls is important. This varies throughout the United States, so follow dates on the package, or those in the chart below.

PEST

CONTROL

Dust runs and hills with chlor dane or dieldrin.

Spray with pyrethrum-rotenone, malathion, lindane or nicotine sulfate. Use aerosol bomb on house plants. Look for on roses in spring and fall.

Spray with lindane or malathion when apple blossoms are open.

Spray with dormant oil before growth begins.

Cut off bags as soon as seen. Spray with malathion or lead arsenate when young hatches (about June around New York).

12% DDT spray applied with mist blower before April 15 (professional job). Burn dead branches, twigs or trees.

Spray or dust weekly with DDT, methoxychlor or lead arsenate.

Spray soil with phthalan or zinc as soon as shoots break through the soil in spring.

Bordeaux or other copper spray. Zinc each 2 to 3 days as azaleas come into bloom (only in South).

Plant only healthy stock. Use only bare-root plants and remove any buds showing color.
PEST

**Fireblight**: Flowers of quince, pear, apple, cotoneaster, hawthorn and pyracantha turn black.

**Hawthorn leaf**: Defoliation occurring in August.

**BORERS**:

**Iris**: Water-soaked ragged foliage.

**Dahlia**: Holes in stalks, causing stalks to break.

**Dogwood, Blue rhododendron**:

**BUGS**: Sucking; wings half-membrane, folded over back.

**Lace**: Spiny larvae, lace-winged adults on underside of leaves that are flecked with brown. Upper surface stippled gray (on andromeda), yellow (rhododendron), coffee (azalea), white (pyracantha, hawthorn and cotoneaster).

**CANKER**: Dead spots on stems.

**Rose**: Canes sometimes girdled.

**Boxwood crown**:

**CATERPILLARS**:

**Tent**: Webs form tents in crotches.

**Fall webworm**: Webs around ends of branches June to Sept.

**Cankerworm**: Inchworms feeding on trees soon after leafing out.

**Dodder**: Parasite with orange tendrils that envelop chrysanthemums and other plants.

**LEAFHOPPERS**: Wedge-shaped insects feeding on underside of leaves, flying when disturbed.

**Potato**: Feeds on dahlias, browning and curling leaves.

**Rose; apple**: Leaves stippled with white, growing more apparent in fall.

**CONTROL**

**Fireblight**: Destroy all affected blossoms. Cut off infected limbs several inches below dead portion. Where disease is prevalent, spray open flowers with streptomycin.

**Hawthorn leaf**: Zinc when leaves unfold; repeat in 10 and 20 days.

**BORERS**:

**Iris**: Burn off old tops in fall. In spring, spray with DDT once a week until flowers fade.

**Dahlia**: Spray base of stems with DDT every 2 weeks.

**Dogwood, Blue rhododendron**: Spray trunks with dieldrin-petroleum compound or with DDT in late spring. Squirt lindane paste in borer hole.

**BUGS**: Spray with malathion when bugs hatch. Andromeda bug has broods from April to October, rhododendron late May through July. Azalea lace bug has third brood in late summer.

**CANKER**: Avoid too moist a winter cover. Cut out affected canes in spring. Avoid injuring bark (wire guards will sometimes help).

**Rose**: Clean out all dead growth. Spray with 1:50 lime-sulfur.

**Boxwood**: Tear out nests or squirt in DDT. Don’t burn on tree.

**CATERPILLARS**:

**Tent**: Tear out nests or squirt in DDT. Don’t burn on tree.

**Fall webworm**: Cut off and burn when noticed.

**Cankerworm**: Have oaks and elms sprayed during years when infestation is especially heavy.

**Dodder**: Never allow dodder to seed. Cut out and burn as soon as seen.

**LEAFHOPPERS**: DDT every 10 days throughout summer.

If rose spray does not contain DDT, add it from late August on.

Continued on next page
Bob Cummings says:

"Yard care is a picnic..."

See for yourself! Drive the new Porter-Cable Mark 24 out on your lawn and the whole family will clamor to help with the yard chores. Dad will appreciate its automotive features... Mom will find its sleek styling, simple controls and ease of handling irresistible. What's more, foolproof safety features make it fun for the whole family to use.

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Get full information. Mail the coupon for illustrated brochure and name of your nearest Porter-Cable dealer.

**PLANT PROTECTION continued**

<table>
<thead>
<tr>
<th>PEST</th>
<th>CONTROL</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAF MINERS (inside leaves):</td>
<td>DDT just before flies emerge (mid-May in New York).</td>
</tr>
<tr>
<td>Boxwood: Blisters in leaves, orange flies.</td>
<td>DDT just after emergence and again in 10 days. Watch from early May on around New York.</td>
</tr>
<tr>
<td>Holly: Blotches and tunnels in leaves, black flies.</td>
<td>Malathion in mid-May and June.</td>
</tr>
<tr>
<td>Birch: Leaves browned.</td>
<td>Add zineb or phalan to borer spray.</td>
</tr>
<tr>
<td>LEAF SPOTS:</td>
<td>Spray with copper, captan or phalan when leaves are half open, again 30 and 20 days later.</td>
</tr>
<tr>
<td>Iris: Small brown spots.</td>
<td>Regular spray program every 7 days vital. Mixed spray should contain phalan, captan, ferbam, maneb, zineb or a copper compound.</td>
</tr>
<tr>
<td>Laurel: Brown blotches or spots.</td>
<td>MEALYBUGS: Soft cottony masses on house plants or outdoors on yew and catalpa.</td>
</tr>
<tr>
<td>Rose blackspot: Black spots with fringed margins on leaves; may or may not turn yellow and drop. Black patches on canes.</td>
<td>Indoors, use aerosol. Spray yews in May or June with malathion covering all parts thoroughly.</td>
</tr>
<tr>
<td>Spruce: Causes needles of evergreens to turn rusty brown.</td>
<td>DDT in late April. Cut off affected tips before June and burn.</td>
</tr>
<tr>
<td>Two-spotted: Turns rose, phlox foliage yellow or gray or burned; dark specks on underside. Web sometimes visible.</td>
<td>Spray delphiniums in very early spring with Dimite, repeating once a week until June.</td>
</tr>
<tr>
<td>MOTHS:</td>
<td>Spray with aramite, malathion or oxi in late May or early June.</td>
</tr>
<tr>
<td>Pine shoot: Dead tips marked by oozing pitch.</td>
<td>Aromatic, malathion or kethane from mid-May until cool weather returns.</td>
</tr>
<tr>
<td>NEMATODES: Barely visible red-worms (visible in full sun as wiggling white threads).</td>
<td>Propagate only from young tips and don't use divisions of old crown. Spray base of stems with malathion in late May.</td>
</tr>
<tr>
<td>Chrysanthemum leaf: Leaves die upward on stem.</td>
<td>Treat soil with Nemagon (follow directions for living plants).</td>
</tr>
<tr>
<td>Meadow: Yellow foliage on boxwood, azaleas, other plants. Growth stunted.</td>
<td>Treat soil with Nemagon (if living plants are present). If soil is not in use, treat with D-D or ethylene dibromide.</td>
</tr>
<tr>
<td>Rootknot: Swollen knots on roots.</td>
<td>PWDROY MILDEW: White felted or powdery growth; leaves somewhat curled, buds deformed. Common on rose, phlox, annuals and lilacs late in summer.</td>
</tr>
<tr>
<td></td>
<td>Add karathane or phalan to regular sprays. If not in regular rose spray, include in May and again in late summer. Spray phlox June to August. Lilacs not helped by treatment.</td>
</tr>
</tbody>
</table>

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**ADVANCED ENGINEERING.** All Porter-Cable riders offer Select-A-Cut to adjust instantly for different cutting heights. The Mark 26 Rotary and Mark 30 Reel (illustrated) models have five forward speeds and a floating pan for a carpet-like cut.

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PEST | CONTROL
--- | ---
ROTS: Plants dying. | Remove diseased plants and surrounding soil immediately. Treat suspected soil before using with terrachlor worked thoroughly into top few inches.
Crown: Of delphinium, ajuga and many other plants. Reddish brown seedlike bodies and white threads in crown. | Don't plant in shade, avoid crowding and prevent iris borers.
Soft: On iris, vile-smelling. | 
RUSTS: | Cut off galls on cedars in winter. Spray with actidione or elgetil as horns emerge. Plant only resistant oriental crab apples and avoid planting red-cedars (Juniperus virginiana) near apple orchards.
Cedar-apple: Galls with orange horns on red-cedars. Orange spots on leaves of apple, crab apple, hawthorn. Trees may die following defoliation year after year. | Remove rusted leaves when seen. Burn. Dust with sulfur or phaldan.
Hollyhock: Rusty pustules on leaf stems. | Plant only resistant varieties. Spray with zineb or phaldan.
Snapdragon: Dark brown pustules. | Watch for very young larvae and spray as soon as seen with DDT or lead arsenate. May hatch from May to August. General all-purpose dust or spray program will control.
SAWFLIES: Caterpillar-like larvae. | Dormant oil sprays for adults; when young crawlers are seen, spray with malathion (late spring, early summer). Lime-sulfur as dormant control. Spray crawlers with malathion.
Pine: Larvae hatch from eggs on needles, feed and move to next branch when old needles are gone. | Metaldehyde baits under boards or shingles (to protect birds).
Rose slugs: Leaves skeletonized. | Many insects excrete honeydew. Spraying trees overhead stops this nuisance.
SCALEs: Hard-shelled insects on bark. Young crawling stage looks like a louse. Many species. | 
Juniper pine needle, rose. | 
SLUGS: Shell-less snails that leave slimy trails. Eat large holes in leaves near ground. | 
THRIPS: Minute, bristle-winged. Eat by rasping. | DDT spray or dust every 10 days to flowering.
Gladiolus: Leaves silvery or tan. Flowers streaked, spotted. | 
WEEVILS: Beetles with snouts. | As soon as adults appear, spray ground and foliage with chlor dane or dieldrin.
Black vine: Small white grubs feed on roots of yew, hemlock, etc. Hard, dark wingless adults notch margins of rhododendron and yew leaves at night. | Apply DDT in early spring. Cut out dead leader; train side branch to replace it. Difficult to control. Spraying with malathion best. Be sure to cover underside of leaves.
White pine: Kill leaders of white pines. | 
White flies: Tiny white "moths" and pale green scale-like nymphs. | 

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**STATE**
WHEN IS REMODELING WORTHWHILE?

continued from page 211

have to set back your house from the street and from the sidelines of your property. For the chances are that you will have to add on to your house to make it workable, and you may find that your property is too small. But if there is room to expand, the too-small house of the late Nineteen Forties may be worth holding on to for several reasons: it is probably in pretty good shape; it cost very little to start with; and its location may be a lot better than one farther out of town. Some of these small houses had a full basement which might lend itself to remodeling; others had an expansion attic big enough for an extra bath and two more bedrooms.

But if you want to add more storage space, or a family room, or a dining room, the only way to do it is to expand the house horizontally—perhaps in this manner:

One way would be to convert the living room to a bedroom, add a new living room at the back of the house, and move the main entrance around from the front to the side—as below:

It may also make sense to add a wing to the somewhat larger, postwar houses of the early Nineteen Fifties. These, too, were built in large numbers all over the country, and are still being built today. They lend themselves to expansion—but only if there is enough property into which to expand.

If the kitchen is in the front, it might be expanded into a kitchen-playroom and a new living room added at the back of the house:

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MAIL EARLY IN THE DAY—IT'S THE BETTER WAY!
Regardless of whether you have a house that is too big and inefficient, or too small, you should try to figure out at the start just how much remodeling you will have to do to satisfy all your long-term requirements. You may come up with quite a project, and you will probably have to tackle it in several stages. But if you have thought of each stage as a step toward a definite, final objective, you can avoid a lot of waste motion—and false moves.

As we have said, remodeling is not cheap. On page 119 are listed several ways of raising the necessary cash. You should realize it is nowhere near as simple to borrow money for remodeling an old house as it is to get a mortgage on a new one, especially a new one in a place like Jonestown. Still, for the reasons we have mentioned, you may, when the dust has settled, thank your lucky stars that you remodeled the old place instead of moving away. Recently, American families have been bouncing around from one domicile to another like peas in a shell-game, or at an average rate of five times or more in a single generation. And the process seems to be accelerating. What this does to something known as our "social fabric" is becoming alarmingly evident. What it has done to some of our children makes the statistics seem menacing in a rather personal way.

Quite apart from this, remodeling your old house will keep you amused, infuriated, exhilarated, broke and vastly interesting to your neighbors for a good many months and, possibly, years to come. In fact, it's a bargain at twice the price.

**REMODELING TIPS**

*continued from page 201*

Can older heating systems be brought up to date?

Yes. The part of the system you actually see, such as the old-fashioned radiators or grilles in the floor, can be replaced with more modern units built into the wall. The pipes or ducts and the furnace or boiler need not be changed if they are in good working order.

What is the most important factor in remodeling a basement?

It must be dry. Money spent in installing new wall surfaces and a finished floor will be wasted if the new materials are subjected to dampness and water seepage.

Can a basement be waterproofed?

Yes—in most cases. Leakage points in the walls can be repaired with quick-setting putty and the entire wall surface covered with waterproof compound. Since the water comes through the wall from outside after seeping down through the earth, the sources of seepage also should be halted. All downspouts that carry rain water from the roof should be piped away from the house, the ground around the house should slope away from it so that water will not accumulate next to the basement walls. Inside the basement, condensation (droplets of water) may form on the cold-water return of a hot-water heating system. This can be checked by wrapping the pipes with strip insulation covered with a vapor barrier. All such moisture problems should be solved by an expert, an expense well worth while if your newly finished basement is to be a long-lasting improvement.

What is the best way to finish a basement?

There are several. If the basement is moisture free, existing concrete, concrete block or brick walls can be painted, or narrow strips of wood (hurting strips) can be fixed to the walls and any type of wood, plywood or composition board panels attached to them. A concrete basement floor can also be painted or covered with tiles, using a waterproof mastic (better check the manufacturer's recommendations, however, before installing any material directly to concrete). Wood strips (called sleepers) can be attached to the concrete floor to provide a nailing surface for a plywood subfloor. On top of the plywood, any flooring material may be used.

How can a basement be made more accessible?

Existing entrances, both from first floor to basement and from basement to outdoors, may have to be remodeled to take care of the increase in traffic. The interior stairway to the first floor should be finished or reconstructed so that it is well lighted, safe and comfortable for you and your guests. The exterior stairway of the basement should be widened if necessary so that garden furniture can be quickly moved indoors in case of rain, and workshop supplies, such as sheets of plywood and long pieces of lumber can be carried in and out easily.

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229
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How to save and where

For a free copy of your nearest Kohler plant's literature, write:

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Make your own rules

There are no special rules or habits about establishing plants in this manner in the wild. Unmoved areas and woods are easier digging after or during a rain, and you need a sharp spade. It will pay you to water the plants when you set them out and, if it is midsummer when you transplant, keep them watered a few days (in early spring the rains will probably take care of the matter). They will get a better start if, the first year or so, you also keep the extraneous weeds and tall grasses in their immediate vicinity pulled out. But once they get a start, those who have already mentioned may be expected to do well with no further care or attention. There are some others that will do as well. Here is a list which includes height, color of bloom, flowering period, the best exposure and other points that seem to me worth bearing in mind.

Bee-balm: 3'; scarlet, pink, lavender; June, July; sun, semi-shade; vibrant red color attracts hummingbirds.

Columbine: 3'; lavender, pink, blue, yellow, red; May; sun, semi-shade, shade; also attracts ruby-throated hummingbirds, spreads rapidly.

Coreopsis: 3'; yellow; July, August; sun; lovely in bouquets with verbena.

Sweet William: 2'; purple, red, rose, white; June; sun; fragrant, especially at dusk.

Spice pinks: 18'; rose purple, white; June; sun; fragrant, scent carries long distances.

Eupatorium: 3'; blue to violet; fall; sun; semi-shade; long blooming period, keeps a long time in the house.

Forget-me-not: 6-10'; light blue; June, July; sun, semi-shade; lots of drama, for emphasis from a distance.

Hollyhock: 6'; red, pink, yellow, maroon, white; July, August; sun, semi-shade; dramatic in large groups of plants.

Iris (bearded): 3'; blue, purple, yellow, white; June; sun; good flower for picking.

Lily-of-the-valley: 8'; white; May, June; shade; lovely for use in front of a line in the house.

Johnny-jump-up: 1'; blue violet, yellow; all summer; sun, semi-shade; trim plant back twice during summer to keep it in flower.

Lupine: 2'; blue, pink, white; June, sun; shade; transplant early, or grow from seed.

Evening-primrose: 3'; yellow; June, July; sun; very showy.

Blue phlox: 12-18'; blue lavender; May, June; sun, semi-shade; spreads rapidly, plants doubles or tripling each year.

Periwinkle: 6'; blue, white; May, June; semi-shade or shade; lovely with ground ivy.

Truedescitia: 3'; red, blue, pink, white; spring and fall; sun, semi-shade; good foliage.

Verbena: 15'; purple; summer; sun; good in bouquets, rapid spreader.

Yucca: 8'; white; summer; lasts many years, slow spreader.

House & Garden
**Unusual paintings**

Speaking of restaurants, put on your list for Zurich Frau Zumsteg's Kronenhalle, not so much for the substantial food as for the unexpected series of paintings on the walls. Frau Zumsteg started life as a poor girl in the country, but when she and her husband succeeded with their restaurant, she put her savings into paintings, and the canvases on her wall are signed Chagall, Braque, Bonnard, Utrillo, Vaillard, Picasso. It was here that the writer James Joyce came each day during the last couple of years of his life. It was Frau Zumsteg who arranged for him to stay in Switzerland when he arrived from Paris as a war refugee. This appreciation of fine paintings is a side of the Swiss character that one seldom hears about abroad. Unobtrusively over the 150 years of blessed neutrality since the Napoleonic wars, Swiss families have amassed more than their share of the world's best pictures. Their presence is usually unknown to the outer world, for the home of a Swiss family is an intimate and closed one.

The visitor is not apt to see the treasures within the homes of the burgurers of Zurich, Berne, or Basel. But fortunately one superb group of paintings has just been opened to the public by its owner, the Baron Thyssen-Bornemitsa. The authoritative art magazine "Oeil" calls it "the greatest private collection in the world today." The Thyssen family started collecting two generations ago. Reversing the usual trend, they have bought in America and repatriated to Europe examples from the Pierpont Morgan and Otto Kahn collections. They have recently built a special gallery to house their masterpieces next to their home, the Villa Favorita, outside Lugano. Daylight from overhead floods seventeen windowless rooms, superbly lighting the no less than 500 paintings notable not only for their origins, but for their quality and condition.

**Old masters and new**

Imagine a roster that includes: Fra Angelico, Bellini, Bosch, Canaletto, Caravaggio, Clouet, Cranach, Dürer, Van Dyck, van Eyck, Goya, Hals, Lippi, Memling, Mantegna, Rembrandt, Tiepolo, Titian, Uccello, Velasquez, Vermeer, and how many others! Any art lover who visits Europe must offer himself this adventure, but note that the collection is open to the public from May 15 to November 15, only, on Fridays and Saturdays from 10 to 12 and 2 to 5, and on Sundays from 2 to 5.

The Thyssen private collection at Lugano is in the grand tradition, made up almost entirely of "old masters." At the other end of the country, one finds Switzerland's most celebrated public collection, the Kunstmuseum of Basel. Its interest lies in two widely divergent art expressions, both in time and in sentiment. The first is the series of works by Hans Holbein, a native of Basel. Only Windsor Castle boasts another group by Holbein, who passed some years in England as court painter to Henry VIII. In Basel are no less than sixty-eight of his beautiful and analytical portrait drawings from this period. Skipping four centuries and twenty halls of paintings I come to the museum's other glory: the moderns—including four of the most important Gauguins, four Cézannes, four van Goghs, eight Picassos, ten Braques, six Gris, as well as

Continued on next page
SWITZERLAND

works by Matisse, Derain, Rouault, Kokoschka to represent the Fauves, Léger, Chagall, Kandinsky, Klee, Miro, Moore, Calder.
The Swiss cities are favorite and probably lucrative haunts for concert musicians during the winter months; a spate of music festivals brightens up the summer. In the last few years, the country has also been adopted as a permanent home by an extraordinary number of writers and composers who find it conducive to creative effort, and of actors and international socialites who appreciate a land where the word income tax is never mentioned in polite company.

Apart from these other good reasons, the standard of comfort makes it possible for British or French families, even for us spoiled Americans, to settle in Switzerland with the least wrench. The stores carry everything in the way of equipment or gadgets that one can hope for. This has perhaps the disadvantage for the foreign visitor of cutting down on the adventure of shopping. The department stores are filled with well manufactured goods very similar to those in the U. S.; there is nothing especially quaint or picturesque in the aisles of a Swiss department store. The design, the pattern, of merchandise may be a bit different from the American, but the purpose and standard are the same.

Good shopping

Geneva is of course the capital for clocks and watches, priced considerably less than when exported. The great luxury watch makers have their own shops but it is probably better for the visitor to go to a shop like Gubelin (the highest class) or Henri Blanc, or Au Diamant, or Collet, where many leading brands can be examined in the same shop. All of these shops are in mid-town Geneva, near the Mont Blanc bridge.

Langenthal, rue de la Confédération, has very fine household linens and handkerchiefs and does beautiful monogramming if you have time. L'Ors de Berne sells platters, bowls, boxes carved in wood, and Dannhauser specializes in copper, both old and new. La Marjolaine, rue de la Croix d'Or, has a large choice of fine leather goods. On the south bank of the lake, near the medieval section of Geneva, are many good antique shops.

Zurich's good shopping district is on Bahnhofstrasse, extending down to the lake. This city is the capital of Switzerland's lively ready-to-wear industry. Models by Marty are said to be especially good and are expected as far away as Dallas, but they cost rather more there than on Bahnhofstrasse. Zurich is the town to shop for the fine embroidered cottons, organdies and organzas made in nearby St. Gall. The great name in the industry is Forsterwilli, well known by the haute couture in Paris and New York. Those beautiful Ottavia tambour curtains that you find on New York’s Fifth Avenue come from St. Gall region. Some of the best designs are made exclusively for the American market but there are lots of others to look through at Grieder's, Oscar Weber's or Nurrsegger's. Another type of embroidery, almost always in blue on white, comes from the district of Appenzell and is attractive on handkerchiefs or luncheon sets.

The Swiss summer calendar is filled by a succession of events during which the Swiss, after their long winter, set out to make fun for themselves. Here are a few dates and places which may also tempt their visitors:

May 8, Berne: Football; Swiss Cup Final.
May 21-22, La Chaux-de-Fonds: Swiss Musicians Festival.
May 21-28, Lucerne: International Horse Show.
May 22-28, Schaffhausen: Sixth International Bach Festival.
May 28-30, Lausanne: International Dog Show.
June 1-28, Zurich: June Festival Weeks 1960: Symphony concerts, opera, plays, exhibitions.
June 3-12, Neuchâtel: Swiss Culinary Exhibition.
Mid-June, All St. Johann: Cable are driven to Alpine summer pastures—a very picturesque event.
Last half of June: Geneva, June Exhibition, 1,000 varieties at their best.
July 9-10, Gstaad: International Fencing Tournament.
July 9-10, Lucerne: Rotsee: International Rowing Regatta.
July 14 to Sept. 11, Interlaken: Continued on page 236
REPOTTING ORCHIDS
IN BARK IS EASY

There's no longer any good excuse for tolerating overgrown plants now that pine or fir bark has largely replaced cantankerous osmunda for potting.

When to repot is determined by the condition of the plant and the inclination of the grower. In general, you repot only when the actual bulbs are growing out of the pot, when the potting medium starts to rot, or when plant gets too big to handle readily.

Above: a plant in old osmunda fiber ready to be repotted in bark.

Remove from old pot after prying roots carefully from outside with spatula or knife. This is time to survey way rhizomes grow and decide where actual division can best be made. In addition to loosening roots on outside it may be necessary to pry plant from old pot with wire. Allow at least three rhizomes to a pot.

Remove old osmunda from root mass, and with it all dead roots, being careful not to harm healthy new white roots. In repotting into container bark, it is important to work roots clean.

Continued on page 234
REPOTTING ORCHIDS continued from page 233

Make clean cut with knife or razor blade (never pruning shears or scissors), once you have determined where division should be made. Consider not only amount and placement of rhizomes and bulbs but disposition of good roots that must be counted on to anchor plant in bark.

Separate the parts by hand, teasing the roots apart after cutting only the connecting rhizome. Any remaining bits of osmunda and dead root can also be removed now. New pots should be only large enough to hold plant for two or three seasons.

Place rhizome carefully so back end is at back of pot, front end pointing toward front to allow maximum growing room between front bulb and pot edge. Hold firmly in position with left hand as you fill. Be sure to provide adequate crocking for drainage in pot bottom.

Fill around roots while the plant is being held firmly. Work bark (medium-to-coarse ground for the general run of orchids such as this) around roots without permitting plant to be pulled away from growing position toward back of pot. Shake down and pack bark firmly.

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### Foods & Beverages
* Cherry Heering... 66
* Grand Marnier Liqueur... 177
* King's Ransom Scotch... 177
* LaVie Ron Lakes... 177
* Moët & Chandon Champagne... 177
* Purina Cheese... 177

### Furniture
- Albano Furniture... 234
- American of Martinsville Furniture... 104
- American Walnut Manufacturers... 183
- Baker Furniture... 236
- Biggs Furniture... 206
- Brandt Cabinets... 289
- Burton-Bixie Mattresses... 50
- Daystrom Furniture... 195
- Drexel Furniture... 43, 44, 45, 46
- Dunbar Furniture... 201
- Eclipse Sleep Products... 50, 51
- Empire Furniture... 187
- Febcol Sheets... 49
- Ficks Reed Furniture... 181
- Gillman Furniture... 220
- Harvard Red Frames... 192
- Hekman Furniture... 198
- Heritage Furniture... 61
- Jamestown "Colonial Collection"... 211
- Johnson Furniture... 99
- Kroehler Furniture... 192
- Lloyd Taylor Furniture... 61
- Meadowcraft Wrought Iron Furniture... 179
- Mola Metal Furniture... 110
- Nichols & Stone Chairs... 35
- Old Colony Furniture... 202
- Hoover Furniture... 227
- Richardson/Memphis Furniture... 213
- Samsonite Flair Portable Furniture... 102
- Shepherd Casters... 232
- Simmons Beautysleep Adjustable Bed... 106
- Simmons Sofas... 106
- Spring Air Mattresses... 26
- Union-National Furniture... 231
- U.S. Rubber Kylon Foam Cushions... 8
- Woman Furniture... 58
- White Furniture... 191
- Woodard Wrought Iron Furniture... 57

### Kitchens & Equipment
* Athens Vesta Built-Ins... 248
  * Ben Hur Food Freezers... 205
  * Delta Single Handle Faucets... 196
  * General Electric Kitchen... 157
  * Revo Bilt-In Refrigeration... 16, 17
  * Thermador Bilt-In Ranges & Refrigerator Freezers... 9
  * Whitekith Cabinets... 239
  * Youngstown Kitchens... 180, 181

### Lighting & Lamps
* Artolier Lighting Fixtures... 221
  * Eziholder Lighting Fixtures... 40, 41
  * Moe Light Lighting Fixtures... 27
  * Steffel Lamps... 105
  * Virden Lighting... 115

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House & Garden's Traveling... 106, 109
Moore-McCormack Lines... Back Cover

**Upholstery & Upholstery Fabrics**
American Enka Jetpees... 107
Chenestrand Acrilina Upholstery Fabrics... 59
National Cotton Council... 28
U.S. Rubber Naugahyde Upholstery Fabrics... 32

**Miscellaneous**
* Chicago School of Interior Decoration... 231
  * Consolidated Chemical Works... 232
    * Dr. Scholl's Zino-pads... 232
    * Lowe's, Inc... 229
  * Nature Products... 239

**Retail Stores & Mail Order Services**
Lord & Taylor... 1
Palleys... 73
Sears, Roebuck and Co... 77
Sherle Wagner... 50
Shopping Around... 69-80
SWITZERLAND
continued from page 232

Open-air performances of William Tell: July 14, 21, 27, 28, 30; August 4, 6, 9, 11, 13, 18, 21, 28; Sept. 4, 11.

Mid-July, Locarno: Thirteenth International Locarno Film Festival.

Mid-July to Mid-Aug., Engadine: Twentieth series of summer concerts in the Upper Engadine.

Beginning of August, St. Moritz: St. Moritz Sailing Regatta Week.

Aug. 6–8, Adelboden: Open Tennis Tournament.

Aug. 7–8, Säntis�: National Horse Market and Horse Races.

Aug. 9–10, Gstaad: Fourth Yehudi Menuhin Festival.

Aug. 10, Grindelwald: Mountain Folk Festival.

Aug. 13–26, St. Moritz: St. Moritz Tennis Fortnight.


End of August, St. Moritz: Fourth Menuhin Festival.


Antique painted Swiss furniture in the house of Mr. and Mrs. Robert Berenson at Klostereim. Antiques of this type are very popular by collectors.

YOUR MUSIC SYSTEM
continued from page 65

Improving your radio tuner

There are several things you can do to enhance the performance of your radio tuner.

A proper antenna is important for good reception of broadcasts. Most tuners are sold with indoor antennas, which are fine if you live within 15 miles of your favorite radio stations. But if you live further than 15 miles from a station you want to hear, you will need an outdoor antenna. Don't try to economize by using your TV antenna for an FM tuner—it will only give you a lot of unnecessary interference. Find out what type of antenna your tuner needs and hook it onto your TV antenna.

If your radio and records play through the same speaker and you have to change the volume control to a different setting every time you switch from one to the other, check to see if your radio tuner has a "level set" knob so you can permanently adjust its output to match that of your phonograph. This will make listening and operating much easier.

If you hear static distortion on your tuner, check with a neighbor listening to the same station to see if he hears the same noise on his set. If he does, the trouble is not in your set—but probably at the radio station. If he doesn't, have your tuner checked at a local radio repair shop.

Cleaning a tape recorder

The main things you can do to maintain the performance excellence of your tape recorder are to keep the tape heads clean and demagnetized.

Tapes leave deposits of oxide when passing over the tape heads, which in time tend to muffle the sound, so the tape heads should be cleaned off every 10–20 hours of recording or playing. There are several cleaning solutions for this job available at hi fi dealers; you can apply them with a Q-tip or a small, soft paint brush.

If you hear a steady hissing noise in the background of a tape, it probably means the tape heads need to be demagnetized. This job should be done every time you clean the tape heads. Buy a tape head demagnetizer (available at hi fi dealers for about $3.95–$10) and follow the simple instructions.

Once a year treat your whole music system to a thorough check-up at a hi fi repair shop.
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