Now the world is yours—with a ring around it! Now your heart flutters faster as you choose your Royal Crest Sterling—the solid silver that in its world of beauty best says—you. Choose Royal Crest Sterling and you’ll be happy with it forever—for here are patterns glowing as your engagement ring—everlasting as your wedding ring. Such an important permanent choice can’t be hurried. For your “at home” appointment to see the lovely Royal Crest patterns, write Royal Crest Sterling, Newark, New York State.

And remember—Amy Vanderbilt, Authority on Etiquette, Author and Editor, is Entertaining Etiquette Consultant to Royal Crest Owners and Members of the Royal Crest Society.

Empire Crafts Corporation, Newark, New York State.
CHRONOTHERM is by every standard the outstanding "star" of heating controls. It is the finest thermostat that Honeywell has ever built. Chronotherm's performance is just as beautiful as its appearance. It automatically switches to lower fuel-saving temperature at night. Then in the morning, before you roll out of bed, it automatically restores daytime temperature and keeps it right on the beam from morning to night. In other words, completely automatic "comfort all winter."

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For real fuel economy, plus the greatest heating comfort and convenience you have ever known, put Chronotherm on the job in your home.

MODERNIZE YOUR HEATING PLANT, TOO

If your heating system is not automatic or if it has seen long service, it will pay you to have a heating contractor or dealer look it over and bring it up to date. It will give you far greater comfort and convenience—and may save you money, too!

Order Chronotherm today from your heating, service or appliance dealer. Or call any of the 77 Minneapolis-Honeywell branch offices for dealer information.
The Lauretians
Canada's vast winter playground, the Lauretians, attract vacationists who seek the utmost in winter hospitality, superb food, fine skiing and sports unexcelled. Resort, exquisitely appointed, modern and luxurious, yet suggesting an air of coziness, are scattered throughout this snow-capped paradise. Mont Gabriel Club, Alpine Inn, Chantecleer, Ste. Adele Lodge, Chalet Cochin, Laurentide Inn, Mont Tremblant Lodge and Manor Pinoteau offer the visitor a wonderful winter holiday.

ARIZONA
TUCSON
Arizona Inn, Bungalow rooms with sun terrace, Beautiful gardens, Steam heat, Warm water pool, Bar/Ten room ante rooms, M. Bennett, Mgr.
Santa Rita Hotel, 300 rms. Tucson's Social Center: Western Hoop, & Atmosphere, Superb cuisine, In-house Dance Bands, Polo, Golf, Nick Hall, Mgr.

CALIFORNIA
CORONADO

LOS ANGELES
Chapman Park Hotel & Bungalow. On Wilshire Blvd. Private pool, gardens; entertainment, Ride & Green Broadcast, Famous Zephyr Room.

BOCA GRANDE
Boca Grande Hotel & Club

FT. LAUDERDALE
The Holiday
New, smart hotel on Ft. Lauderdale’s only private beach. Big rms., all with ocean view. Cocktails indoors or out. Superlative food and drinks in the Tropical Room or patio, under the stars. Golf, dancing, swimming, game fishing. Lower rates before January 15 and after March 15. Reservations advisable. Folder, John A. Mobila, Resident Manager.

FLORIDA
DELRAY BEACH

MIAMI BEACH
The Columbus
Discover... 17 floors of breeze-sweep comfort and convenience... overlooking Park, Bar and Ocean... just around the center from the business-fashion-shopping section... downtown passenger terminal for all airlines... right in the center of everything. Catering to every Miami visitor in search of courteous and complete service at any time of the year. Advance reservations advisable. New color brochure on request.

MIAMI BEACH
The Hotel Good
Continuing intact the traditions and policies which have pleased a highly appreciative clientele for more than a decade. Beautiful appointments—gay, friendly atmosphere, conservative policies, Central location—private ocean beach—cabanas. Superior dining room, air conditioned cocktail lounge. Now under same ownership as, and exchanging privileges with The Shoresides, G. S. Pickard, Managing Director.

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The Inn
Ponte Vedha Beach is one of America's most interesting resorts. Year 'round operation, excellent accommodations. A wide choice in The Inn proper, ocean front cottages and apartments. Fine food and service. Golf, tennis, fresh and salt water fishing. Excellent beach, fresh water pool. Consult your travel agent at Win. P. Wolfe, 360 5th Ave., N.Y. Or James Crawford, Pub, Bal, Dir. Box 55, The Inn, Ponte Vedha Beach, Fl.

SKYTOP
Skytop Club
Enjoy rest and relaxation on a 500 acre mountain estate "High in the Poconos". Movies in indoor games. Dancing. Snow brings uncrowded skiing (14 tow). tobogganing, skating, sleigh riding. And Skytop's cuisine is long-famous: Only 2 hours from N. Y. or Phila. Write Skytop Club, Box 21, Skytop, Pa.

TOWER ISLE
The one book that is eagerly awaited by millions of garden lovers every year. 48 pages of Modern Roses and Perennials in natural color—including scores of the finest tested varieties and newest award winners — also many helpful hints and planting suggestions to make your garden a showplace.
On the following ten pages you will see advertisements of Williamsburg reproductions from many manufacturers, licensed by Williamsburg Restoration Inc.:

- Blenko Glass Co.
- Boone Forge
- Dietz Press
- F. Schumacher & Co.
- Folger Adam
- Josiah Wedgwood & Son, Inc.
- Kittinger Co.
- Palin Thorley
- Pittsburgh Plate Glass Co.
- Scalamandre Silks, Inc.
- Seth Thomas Clocks
- The Stieff Co.
- Virginia Conservation
- Virginia Metalcrafters
- Williamsburg Craft House
- Williamsburg Inn & Lodge

For "Williamsburg Revisited," see page 55 in the editorial section.

This is the hallmark of Williamsburg Restoration, Inc.
Exclusive and Authentic

Schumacher's

Williamsburg Collection

Schumacher's accepted a great trust when they became exclusive manufacturers of all woven and printed cotton and linen fabrics for Colonial Williamsburg Restoration. Our reputation made us worthy of this confidence and the fabrics we faithfully reproduced from documents over 150 years old are proud proof of our skill. Every design and fabric lends the graceful charm of yesterday to your home today. See Schumacher’s Williamsburg Collection at your decorator’s, F. Schumacher & Co., 60 West 40th Street, New York 18, New York.

The designs shown above are representative of Schumacher's Williamsburg Collection: “Williamsburg Grapes” (upper fabric) and “The Tulip”

Schumacher's

FABRICS  CARPETS  WALLPAPERS

Exclusive manufacturers of all approved woven and printed cotton and linen fabrics for Colonial Williamsburg Restoration.
House & Garden

One of America's most famous shrines is quaint and lovely Restored Colonial Williamsburg.

Virginia...
AMERICA'S MOST VERSATILE VACATIONLAND

Grand old Virginia is a complete package of vacation enjoyment. Sports, famous resorts, colorful traditional events, scenery unsurpassed and many lovely, historical shrines such as Williamsburg, are all assembled for you in Virginia. . . linked together by modern highways and excellent rail, bus and air facilities. To do the things you've wanted to do, and see the things you've wanted to see, come to Virginia—America's Most Versatile Vacation Land.

Paul Green's The Governor's Garden begins its 4th season at Williamsburg in July.

See famed Natural Bridge—a miracle in stone.
Play golf on famous Virginia courses.
Boating and fishing are time in Virginia.
Beautiful Shenandoah Valley—famed for scenery and history.
Tennis is a vacation favorite.
Motor over Skyline Drive—"roof of the world."
Enjoy horsebacking over picturesque trails.
Visit Virginia's spectacular caverns.
Monticello and countless other shrines invite you to Virginia.

Colorful Beach Resorts.

DEPARTMENT OF CONSERVATION AND DEVELOPMENT
Room 869, 914 Capitol Street—Richmond 19, Virginia

Write for Free Pictorial Booklet • Motion Pictures of Virginia Available

VISIT WILLIAMSBURG

Colonial Williamsburg and House & Garden will sponsor a Symposium which will be presented in February and March.

Readers of House & Garden are invited to attend a Colonial House and Garden Symposium to be conducted by this magazine and Colonial Williamsburg, the organization responsible for restoring that 18th-century city. It will be held in Williamsburg, Virginia, and will take the form of two identical five-day sessions, the first scheduled to begin on February 27, the second March 6. Among the speakers are Dean Joseph Hudnut, A. Edwin Kendrew, A. Lawrence Kocher, Dr. John M. Fagg, Jr., Nancy McClendon, Dr. Francis W. Pennell, William G. Perry, Dr. Donald Wyman, Minor Wine Thomas, Jr., Alden Hopkins, Mrs. John R. Fisher, and two editors of House & Garden. An all-inclusive rate has been worked out by Colonial Williamsburg which covers registration, admission to Exhibition Buildings, tours, lectures and rooms and meals at either the Williamsburg Inn or the Williamsburg Lodge. If you are planning to attend, send a check for $20.00 to the Registrar at Williamsburg for each person registering (it will be applied against total payment). The over-all cost for each five-day session will be $90 at the Inn, $65 at the Lodge per person (two in a room). The all-inclusive rate for single accommodations is $100 at the Inn, $70 at the Lodge. Only 250 people can attend each session. Write: Registrar, Colonial House and Garden Symposium, Goodwin Building, Williamsburg, Va.

A. F. SOZIO

ONCE AN ARMED FORTRESS, once a shelter for wounded of the Continental Army, once devastated by fire, once the scene of brilliant balls and anxious statesmanship, the Governor's Palace at Williamsburg has risen, phoenixlike, from smoldering bricks, to stand permanently restored to a place of honor today.
Williamsburg Restoration
Furniture Reproductions
Made Only by KITTINGER

from the GOVERNOR'S PALACE, Williamsburg

KITTINGER
The FINEST in FURNITURE SINCE 1866
Only Seth Thomas is authorized to create the Williamsburg Wythe House Clock

Seth Thomas, known for expert clock craftsmanship since 1813, is especially proud to present this authentic reproduction of the late 18th century Williamsburg clock...now in production for summer delivery. Hand-rubbed dark mahogany cabinet, holly wood and ebony inlaid design, solid brass trim. Eight-day spring-wound with 11 jewel movement, or electric. Height, 10½ inches. Width, 7½ inches.

SETH THOMAS
Clocks to treasure
Clocks to trust

SETH THOMAS CLOCKS, Thomaston, Conn. Division of General Time Corporation

YOU'LL ENJOY THE RESTFUL ATMOSPHERE
OF
Williamsburg
VIRGINIA

Every American owes it to himself to visit historic Williamsburg—an authentic restoration of one of America's foremost Colonial communities. Here where democracy and freedom were fostered you will find enjoyment and relaxation by visiting the many fascinating exhibition buildings. Fine lodgings in modern hotels, colonial guest houses and taverns.

Driving South—Stop at Williamsburg

Williamsburg Lodge—Single from $3.50, Double from $5
Williamsburg Inn—Single from $7, Double from $10

For information: write direct, see travel agent or Williamsburg Reservation Office, 4th Fl., 17 W. 34th Ave., New York. Telephone Circle 6-8876

TEA CADDIES of old Virginia are now used as tobacco and dresser boxes. Copy in mahogany is 10" long, 6" wide, $25. At Craft House, Williamsburg.

Coffeepot in fine sterling is from original made in 1715, 36 ounces, 11" high, with ebony side handle. Wrought by hand, $187.80 incl. tax, S. Co.

All available at Craft House. Prices are approximate.


FLORA PRINTS, below, from English originals published in 1730. Each represents a calendar month. $73 for portfolio of 12. Single print, $7.50. From Dietz Press.

TRIVETS IN BRASS and wrought iron show cipher of George II (George Rex), in brass, $2.35; iron, $1.10. Virginia Metalcrafters.

Sterling Colonial flatware in exact replicas. Pistol-handled dinner knife, $7.80; three-tined fork, $6.60 inc. tax, S. Co.

EIGHTEENTH-CENTURY style auditions of hand-detailed brass, polished luster. 24" high, $62.50 per pair. By Virginia Metalcrafters.
Small dining room of Governor's Palace.

Scalamandré Silks INC.
The authenticity of design and color can only be obtained with silk fabric.
Now...Famous Williamsburg Colors Are Reproduced In Pittsburgh Paints

Authentic period colors, approved by Williamsburg Restoration, Incorporated, bring new charm and beauty to homes decorated the COLOR DYNAMICS way!

- In your own home today, you can enjoy the beauty of Pittsburgh Paints made to reproduce those glorious, mellow colors which contributed so much to gracious living in the cavalier homes of early Virginia.

Just as careful research paved the way to the faithful restoration of Colonial Williamsburg, so the painstaking work of Pittsburgh scientists and technicians makes it possible to offer you the soft, satin-like lustre of Williamsburg finishes in a wide range of lovely shades, adapted to modern usage and priced well within the range of ordinary paints.

As practical as they are lovely, Pittsburgh's exclusive Historic Wall Paints bear the hallmark of the Williamsburg Restoration, Incorporated. They give you a double bonus of value — COLOR DYNAMICS to insure the right choice of colors and Live Paint Protection to make your home decorations look better longer!

- By scientific use of the energy in color, Pittsburgh's COLOR DYNAMICS helps you bring out the best in every room. Used with Williamsburg colors, it enables you to harmonize these lovely colonial hues to best advantage in modern surroundings. The beautiful results you obtain are made more enduring by the Live Paint Protection of Pittsburgh Paints. Enriched with "Vitalized Oils", these quality wall paints afford a smoother, richer finish that far outlasts ordinary paints.

- Next time you plan to redecorate your home, let your Pittsburgh dealer explain how much more satisfaction you enjoy when you paint right with COLOR DYNAMICS—paint best with Pittsburgh Live Paints!

New Folder Describes Williamsburg Colors

- Your Pittsburgh dealer can obtain a copy of folder showing Pittsburgh's Historic Wall Paints for 25c. Or send 25c with this coupon.


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PI T T S B U R G PA I N T S
PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS

PI T T S B U R G H PA L T E GL A S S CO M P A N Y
Colonial gates and fences

Five interesting varieties of Williamsburg fences and gates, designed for utilitarian strength and grace.

Picket Fence. Slender wood pickets, given rigidity and strength by firm bracing of top and bottom rails, are set off by trellis-like design of the gate. Through its squares, passers-by could see both the orderly pathway and the doorstep. Note how the wide muntins in the window panes frame colonial door on which gate opens.

Dark Wood Gate forms a contrast with the white picket fence. Colonial carpenters employed native Virginia oak, red cedar, elm, ash, maple, pine, cherry in many uses. Gate shown has solid, mitered panels. Note the distinctive posts, chamfered at top in a mode characteristic of eighteenth-century Williamsburg gates.

Craft House
WILLIAMSBURG, VIRGINIA
Official Sales & Display Center
for authentic WILLIAMSBURG REPRODUCTIONS

Write for free copy of new illustrated leaflets of selected reproductions or send 80¢ for beautiful 56 page catalogue including the complete range of Williamsburg reproductions.

Address Box 726, Williamsburg, Va.

Every approved Williamsburg Restoration article bears this Hallmark and is accompanied by a Certificate of Authenticity.

Know Ye By These Hallmarks...
that authenticity is assured

Faithful reproductions... embodying the charming simplicity of the Colonial Era. You will recognize them by their beauty and the two distinctive hallmarks which guarantee their authenticity. You will find them at your favorite decorators', department stores and gift shops. Write for the name of the one nearest you.

Virginia Metalcrafters
Division of the Moth Corp.
COLONIAL REPRODUCTIONS
In Iron, Bronze, Brass, Silver tone
Wynnewood, Virginia

This is the Hallmark of Williamsburg Restoration, Incorporated. **The Authentic Virginia Metalcrafters Products Bear This Registered Hallmark.
Great colonial interiors

The Governor's Palace symbolizes America's colonial status; the George Wythe House recalls the birth of a new nation. The remembrance of things past is part of our colonial heritage, an enrichment we recapture through seeing palatial buildings of state as well as small Williamsburg dwellings of charm and dignity. Williamsburg has many faces, many magnets of appeal. All are noteworthy for the history they have seen and for the air of welcome which still emanates from paneled walls, magnificent supper rooms, open fireplaces, and old doorways fronting tree-shaded streets. The Governor's Palace itself is a convivial symbol of balls, social assemblies, brilliant gatherings. The Wythe House had for its master Jefferson's law tutor, George Wythe, Attorney General of the Virginia Colony and a signer of the Declaration of Independence.
SOUTHWEST BEDROOM of George Wythe House on the Palace Green. Chimney corner is simply furnished, grouped around the generously proportioned fireplace. Portraits such as these were often rendered by itinerant painters of the period. Old family hatbox stands in corner.

FRONT DRAWING ROOM opposite dining room, Wythe House. Decorative paneling contrasts vividly with white walls, elaborately carved Chippendale-style chair, English needlework rug. Corner cabinet for brio-a-brac, has cupboard below. Flower painting over marble mantel is flanked by brass sconces.

MASTER BEDROOM, Wythe House. Large four-poster bed has a canopy of toile in reds on white. Tailoring is distinctive. On the floor, a colonial rag rug. Interior has quality and simplicity, characteristic of Wythe, the law teacher and statesman. In a codicil of his will, George Wythe left to Thomas Jefferson—then President of the United States—his collection of books, his silver cups and his gold-headed cane.

Authentic Colonial Silver

For you ... Stieff's Williamsburg Restoration Sterling reproductions ... true colonial silver in all its simplicity, dignity and beauty. Fascinating pistol-handled knives. Graceful three-tined forks. Entire service possesses the flowing curves, slender shapes and classic lines styled by eighteenth century master craftsmen. Only exclusive Stieff Sterling reproductions bear the Williamsburg Restoration Hallmark. Guarantee of authenticity and unexcelled craftsmanship. Available through selected dealers in major cities—or direct from manufacturer.

Made Exclusively by Stieff
Silversmiths — Goldsmiths
The Stieff Company
Wyman Park Drive, Baltimore 11, Maryland

florals of yesteryear lend charm today

Beautiful Williamsburg Wythe House Floral Print reproductions from the original 18th Century Furber's make treasured gifts for all occasions. Hand-colored in exact detail, they represent gracious flower arrangements of each month in the year. You may select a complete portfolio of 12 ... for $75 ... or individual prints for $7.50. Each print 18½” x 24” on fine, special-made rag content paper. On sale at all fine stores.

The Dietz Press, Inc.
112 E. Cary St., Richmond 19, Virginia

THIS IS THE HALLMARK OF WILLIAMSBURG RESTORATION, INC.
Many Williamsburg homes were equipped with massive, decorative Brass Rim Locks. Folger Adam reproductions are faithful copies of their colonial originals; even the metal has been analyzed and duplicated. Made in three sizes, up to 10" x 5¾". Supplied with a large polished iron key for interior use, and modern "Yale" cylinder for exteriors. For doors where locks are not used, matching knobs, drop handles, and roses are also available.

BY SPECIAL APPOINTMENT of Williamsburg Restoration, Incorporated, Folger Adam is the only Licensed maker of Williamsburg Restoration Reproductions of Brass Rim Locks.

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Authentic Hardware Reproductions

PALIN THORLEY
makers of fine ceramics
WILLIAMSBURG, VIRGINIA
Ceramic reproductions of exquisite beauty fashioned by master craftsmen... Each piece recaptures the charm and character of its Williamsburg original... inquiries invited.

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HOUSE & GARDEN'S
Complete Guide to Interior Decoration
Price $7.50

HOUSE & GARDEN
GREENWICH, CONN.

GATES AND FENCES
continued from page 11

WOOD SLAT FENCE. The pattern of different width whitewashed slats gives an effect of geometric simplicity. Intended primarily to give privacy, the trim upright boards are softened by interlacing tree branches overhead and a lawn beyond the fence. White strap hinges are typical of the colonial gate.

DOUBLE GATE. Set in a characteristic old Williamsburg wall of mellow, ivied brick, the gate has dark wood finish, is an interesting half-and-half combination of open pickets and broad, closed panels. Here the chamfered posts are varied in design, beveled on the sides.

PAVED BRICK PATH is highlighted by a graceful gate and fence which enclose formal lawns. Pickets are slender and are molded at top. Gate posts have finial-like tops. Crossrails of fence are stoutly defined by the lightness of vertical pieces. Of particular interest: the curving top rail, perhaps borrowed from a half-yoke or from an oxbow.

GLASSWARE REPRODUCTIONS
made exclusively by
BLENKO

Beautiful, exact reproductions, with all the charm and character of the eighteenth century — these are made by the finest and most experienced craftsmen at Blenko Glass Company. The glass is a lead glass with the inherent utility and charm of those far off, magnificent days.

Whether you will want a single piece or set, there is something in Williamsburg Reproduction Glassware that will add to your home. Blenko Glassware is sold at better department stores and gift shops.

Send 10¢ for attractive booklet printed in the eighteenth century manner. This booklet will give you complete details of all the 35 Williamsburg pieces.
Colonial gardens

The green gardens of Williamsburg look trim, cool, all year round, are planted with areas of flowers, vegetables, trees

CENTURIES make no change in the need of a house for a well-planned kitchen garden, fruit trees, an orderly front lawn. These were essential to colonial families in tidewater Virginia two hundred years ago. They are ours today in every part of the country. Aesthetic, useful, sound in the fundamentals of design, many of the Williamsburg gardens—large and small—are now planted with the same fruit trees, hedges and shrubs that were brought in by the colonists in the 1700's as a supplement to the native plants. Today, as we plant around our dooryards and front gates, plan the walks which link our houses to our gardens, we use many of the same materials and design ideas.
Masterpieces of Monticello

Biggs, exclusively commissioned by the Thomas Jefferson Memorial Foundation to reproduce the furniture of historic Monticello, near Charlottesville, Virginia, proudly brings you this exact copy of the Jefferson tilt table.

Beautifil New Illustrated Booklet—25c)

Antique Company, Inc.
900 W. Marshall St.—Richmond, Va.

WASHINGTON—RICHMOND—BALTIMORE—ATLANTA—PHILADELPHIA—CROWCROFT & CLOTHIER

MASTER CRAFTSMEN SINCE 1890

Williamsburg Scene

on FINE ENGLISH BONE CHINA

Create & Order...$5.75

Colonial buckeets make handsome holders for large bunches of green leaves, newspapers or kindling next to the fireplace. Handmade and heavily lacquered to prevent tarnish, they may be had in either copper or brass, are made in three sizes.

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Collectors’ Pine

Hors d’oeuvre table in Collectors pine—fine, hand-rubbed finish. Top 12” x 16”. Height 20½”. Postpaid 16.95

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SHIOPPING

All merchandise shown on these pages, editorially or in advertisements, may be ordered by writing directly to stores. Most prefer to handle orders, so please enclose check or money order. All firms, except those selling personalized services, agree to refund full price of any item returned by unsatisfied readers.

Robert E. Lee, hero of the Confederacy, is depicted for the first time in a spirited equestrian miniature. Made of lead, finished in authentic color, this military piece, imported from France, is a fine addition to lead soldier collections.

Colonial buckets make handsome holders for large bunches of green leaves, newspapers or kindling next to the fireplace. Handmade and heavily lacquered to prevent tarnish, they may be had in either copper or brass, are made in three sizes, 12”, 18”, $13.50; 24”, $18. postpaid. The Days, Buena Vista, Virginia.

Humorous ASH TRAY

You and your friends will get a kick out of this old nag. Her flirtatious glance invites you to deposit ashes in her swayed old back. Made of copper-plated metal with felt bottom. Won’t scratch your finest table. Length about 8 inches. Only $4.99—prepaid. Money back if not delighted.

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Baltimore 1, Md.

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QUINT AMERICAN MILK GLASS

Kitten on Nest

Mr. Forslund "discovered" this in the paying guest room of an old inn. This is made from the exact reproduction of the original moulds, owned exclusively by Mr. Forslund, so that the Kitten on Nest, for your collection, in the entire United States is available only from us. You will delight to see it for cigarettes or candies, or in an old fashioned bedroom for buttons or jewelry. 5½ in. lamp, 4½ in. wide, 4 in. high. $4.95 No. 60, postpaid .... $2.70

 Carl Forslund
EAST FULTON
GRAND RAPIDS 2, MICHIGAN

Send for OUR NEW Spring 1950 Catalog

More exciting than a trip through dozens of old stephens and historical homesteads, our new 80-page catalog is a treasure trove from the Forslund collection of Quaint American Solid Cherry furniture—chests, tables, chairs, cabinets, mirrors—vintage centers upholstery, milk glass from reproductions of the original moulds, documentary wallpaper, old-fashioned carpeting, and authentic lamps and accessories. You will rarely find any of these pieces in any store because they are exclusively from our collection, available only from us by mail. Our largest catalog, of rare interest. Send 25 cents today for your copy.

Antique cup plates of Sandwich glass were pressed into soft clay, glazed cobalt blue, to make these unusual coaster-ash trays. Certain to charm those who are interested in old glass, they are in assorted patterns, measure 3¼ in. in diameter, and the price of each is $1.25, postpaid, from The Lennox Shop, Hewlett, L. I., New York.

Handblown decanters in authentic Williamsburg designs are fine reproductions worthy of the craftsmen who originally produced them. Equally suitable for modern or traditional settings, the square squat shape, 7½ in. high, and the 11½ in. one are $8 ea. Post. 50c. Jenifer House, New Marlboro Stage, Great Barrington, Mass.

THE LISTIK, a handy phone and address index, has space for 130 insertions, yet isn't much bigger than a lipstick. The sheet, made of DuP on material, won't fray, can take innumerable erasures and is washable. It stays put when pulled out, and rewraps automatically, comes with pencil. $1.95 ppd. Emunc Novelities, 541 Madison Ave., N. Y. 22.

Invitation TO SMOKE

Send the next wedding invitation or announcement you receive to us and we'll etch it on a fine Fostoria glass cigarette box. The lucky couple will cherish forever such a lasting reminder of their wonderful wedding day. It measures 5½ in. x 3½ in. x 1½ in. $7.95 postpaid.

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Same training for those who cannot come to New York. Practical, useful and intensely interesting.

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For a color that’s comfortable to live with, that won’t conflict with other colors, you can’t beat nature’s favorite, green. Combined with simple good design as it is in these Libby glasses, you really have something. Sets of eight in 14-, 10- or 6-ounce size are $1.50. Post 35c. Crystalier, 485 Lexington Ave., N. Y. 17.

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This handy double-bladed knife makes fish cleaning simple for sportsmen or housewife. The raw-toothed bottom edges for scaling are designed so scales will not fly in your face. The top edges of the blades have a keen cutting edge for boning. Blades are of highest grade stainless steel. The sturdy bakelite handle is easily removed for complete cleaning.

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TOOLZON for kitchen mixer $3.00

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SHOOPING

The cookshelf combines storage space for cookbooks with a convenient stand to hold open book at a readable angle near eye-level. May be set on a counter or hung on a wall. Strongly made of basswood, it is $2.95 unfinished or $3.50 finished in ivory, green, yellow or red. Ppd. Beekman Woodcraft, Box 1216, New York 17.

Pictorial Folk Art by Alice Ford is a well illustrated, thoroughly documented history of American primitive painting and drawing. From New England to California, it covers every period down to the present-day folk artists. 176 pp., 250 illustrations, 7½” x 10”. Cloth bound. $6.95 p.d. from the Studio Publications, Inc., 381 Fourth Ave., N. Y. 16.

START SEEDLINGS IN YOUR OWN GREENHOUSE!

Here is your round of plant care for the young seedlings that are starting to sprout. Give them plenty of water and air, but watch for disease. Be sure to water thoroughly at least once a week. A small greenhouse will be a great asset to your garden and will save you money.

TOOLZON for kitchen mixer $3.00

For electric workshop drill $2.50

Towle Manufacturing Co.
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START SEEDLINGS IN YOUR OWN GREENHOUSE!

Complete Unit

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AROUND

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Black and white. Hitching posts like their New England antecedents, but made of aluminum, have been scaled down to salt and pepper size. They stand 4½" high and have polished aluminum bases and highlights which give them a dressy appearance. $3.75 a pair; four, $7.00 postpaid. "little joe" Wiesenfeld, Baltimore, Md.

The spacious days of old Virginia inspired these table mats of spongeable, lined paper. Photographs of eight historic kitchens are in piquant contrast to the kitchenettes of today. Nice enough to frame. Spice brown with green borders. Set of 8, $1.50, postpaid. The Dietz Press, 112 E. Cary St., Richmond 19, Virginia.

An old timer. Nostalgic of the early days of railroading, these locomotives are extremely ornamental as well as useful bookends, door stops or substantial paper weights for a train fancier's desk. Made of heavy metal, 7" long, they are $8.95 a pair, postpaid. Malcolm's, 526 North Charles St., Baltimore 1, Maryland.

Kraut Board
Coffee Table

Hand-made of olive-brown antiqued knotty pine by the Lennox Craftsmen.

$24.50
Daisy Table, 28" W. x 22" L. x 28" H.

Our 10th Year

EUNICE NOVELTIES • Dept. H-10, 541 Madison Ave., New York 22, N. Y.

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Refrigerator Space Saver—Only $1.25

Space Saver is a tricky arrangement of chrome-plated steel rods that makes use of between-shelves space. Hooks securely to any refrigerator shelf, and hangs down beneath. Swell for coke bottles, canned or bottled beer, egg cartons or fruit. It not only saves space, but brings things within easy reach. Space Saver is 10" wide and 9½ deep. HK1500. $1.25 postpaid.

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Miles Kimball
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100 BOND ST., OSHKOSH, WIS.
Curries in tiers for a bright outlook this year—
Our news-making, frothy-fresh curries of crisp white organy are edged with embroidered Venise scallops. Use one panel at your tiny windows, or hang one over the other for a charming informal effect. Each panel, thirty-six inches deep, and seventy-two inches wide, only 4.95 each.

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Stamp Dispenser is heavy polished brass, 2" high. Felted to protect desk, weighted to serve as paper weight. Top holds clips. $3.50 ppd.

(No silver plate $2.50 less and post-paid.)

Serve melted butter for seafoods or waffles in this attractive three-piece butter-warming set imported from Sweden. Stainless steel and beechwood are combined to make preparation and serving quick and neat. Lipped pan, 3½" diam., with lid and drip tray. $3.95 ppd.

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with 12" adjustable chain above or with attachment for close ceiling connection. Please specify.
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A built-in thermometer in the handle tells you exactly when the temperature is right for the most perfect, golden-brown, clear-to-the-edge pancakes you've ever eaten! No more "tough" pancakes from a too-cool griddle, or "doughy in the middle" kind from overheating. Heavy cast "Cookware" aluminum, safe-finish Large, square, 4-cake size. Accurate, dependable, guaranteed.

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Now you can pop big lustrous kernels electrically right in your living room. So safe and simple to operate, a child can do it. No shaking. No stirring. Brilliant aluminum with transparent cover. See the corn pop. Big 2-quart popping bowl lifts out for serving. Also, deep-fries doughnuts etc.
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$4.95 per matched pair ($2.95 singly)
Name in Gold on toe 25c per shoe
Send Shoes with Check or Money Order (no C.O.D.'s or stamps) to

Department 7
43 Naising Street, Roxbury 21, Mass.
The Court House at Williamsburg is one of a series of original etchings of Old Virginia Court Houses by Hirst Milhollen. This building, dating from 1770, is notable for its unusual portico. Edition is limited to 100 signed prints. 5 1/4" x 6"; mat. 10" x 13". $5, ppd.

The Better Mouse Trap, 110 S. Pitt Street, Alexandria, Va.

For sentimental reasons, this quaint heart-shaped milk glass plate will occupy a place of honor on a lady's boudoir wall. The valentine, a reproduction of an old one, is hand-painted and the finishing touch is a blue velvet ribbon tied with flowers. 7 1/2" x 7". $5.85, ppd., from Carl Forslund, 122 E. Fulton, Grand Rapids 2, Mich.

From Virginia gardens, fresh flowers, pressed and beautifully arranged, have the lovely soft coloring of old lower prints. In antiqued gold frames, they measure 8 1/2" x 10 1/2". $10 each, or better yet, get a pair for $18.75 postpaid from Flowers from Virginia Gardens, Post Office Box 7001, Richmond 21, Virginia.

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- A new type outdoor disposal unit safely and quickly burns garbage and trash in any weather. All refuse, damp, green or dry, is fully consumed. Scientific draft design completely eliminates fire hazard of flying ash, sparks, burning, blowing bits of paper. Intense combustion removes neighbor-annoying nuisance of flying scraps, smoke, smell. Sturdily built to last for years. Nothing to get out of order. Needs no watching. Will not blow over. Will not destroy grass or shrubs. Ends refuse handling and fire hazards to quickly pay for itself. Measures 23" square at base by 49" high. Weights 19 lbs. Over 2 bu. capacity. Recommended by Bureau of Fire Prevention. Full price $9.95—nothing else to buy. Sent F.O.B. Cleveland. Money back guarantee. Send check, cash, or money order to:
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5 1/4" high x 13 1/4"

$10.50

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Rich, sparkling beauty lies in these twin oven-glazed ceramic stallions. Individually handcrafted with artistic thoughtfulness.

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Herb Chart with colorful border in red, yellow, blue and green. Perfect for gifts, suitable for framing. Size 12 x 18. Price $1.00 postpaid. Send check or money order.

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Complete $2.85 Postpaid

Those extra-fancy, extra-thin party sandwiches will be easy when you get this! Slip an ordinary slice of bread into the 5" by 7" frame, draw the grand Karve King knife through the guide slots—and presto! You have two slices where you only had one before. Complete with Swedish steel scalloped-edge Karve King knife and suggestions for using thin bread. No. HK 2425.

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SHOPPING

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Filled with tea (25 bags of Ming Cha), this attractive kettle is a complete present. Its good lines and attractive Pennsylvania Dutch heart-and-flowers decoration qualify it for a long life of constant usefulness. Design in color is hand-painted on ivory background. Holds six cups. $4.15 ppd. Bren Linda, 545 Fifth Ave., N. Y. 17.

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Shipped to your order immediately. 25¢ if desired, less added. Colorado residents add 2% sales tax.
AROUND

All-purpose French dressing, called simply "S.S." tastes just like the best homemade type. A most versatile dressing, it's perfect for fruit, tossed green or any kind of salad. In a good-looking apothecary bottle for table use, $1.50; 8-oz. refills, 70c. 20c post; 8c for additional bottles. Charles & Co., 340 Madison Ave., New York 17.

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Crackleware

$15.00 complete

Boudoir size Lamp

Shined Ruffy white organdy over yellow underskirt shade. Our wash bowl and pitcher on block white lacquered base, 17 inches high, $28.00 per pair. Shipped express collect. Sorry no C.O.D.'s.

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Boudoir size Lamp

Shined Ruffy white organdy over yellow underskirt shade. Our wash bowl and pitcher on block white lacquered base, 17 inches high, $28.00 per pair. Shipped express collect. Sorry no C.O.D.'s.

The Country Shoppe

Mt. Kisco, New York
Melba Toasters. To keep thin slices of bread from curling, jamming or burning in your automatic toaster, use these inserts. Good for crispin all sorts of small bits that would normally get lost, the Toasto-Grills don’t interfere with mechanism. Of nickel-plated steel wire, $1.25 a pr., p.d. Kay Bullock, Box 92, Lansdowne, Pa.

The jet lock defroster, a scientifically made instrument, will save time and tempos when locks freeze, keys won’t go in, or if they do, won’t turn. Also good for windshields, radiator caps, gas lines, letter boxes, etc. With two steam-producing cartridges, and keychain. $1.00. Bancroft’s, 2435 S. Indiana Ave., Chicago 16.

Quick and quiet, this new dryer makes home hair dressing as luxurious as salon jobs. It takes only 15 to 25 minutes, is easy to use and can be hung on a door at any height or placed on an end table while you stretch out on a couch. Portable, 8 lbs., 14” x 12”, AC, $14.95, postpaid. Hammacher Schlemmer, 145 E. 57 St., N.Y.

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Our lock also includes many other inactive patterns which we are able to supply now or at a very early date. Your order will receive our prompt attention. Prices available on request.

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The jet lock defroster, a scientifically made instrument, will save time and tempos when locks freeze, keys won’t go in, or if they do, won’t turn. Also good for windshields, radiator caps, gas lines, letter boxes, etc. With two steam-producing cartridges, and keychain. $1.00. Bancroft’s, 2435 S. Indiana Ave., Chicago 16.

Quick and quiet, this new dryer makes home hair dressing as luxurious as salon jobs. It takes only 15 to 25 minutes, is easy to use and can be hung on a door at any height or placed on an end table while you stretch out on a couch. Portable, 8 lbs., 14” x 12”, AC, $14.95, postpaid. Hammacher Schlemmer, 145 E. 57 St., N.Y.
Homemade ice cream with the flavor of the old-fashioned hand-turned kind is made in about one hour in this new, completely automatic tray, which stirs the cream as it freezes. It fits into the ice tray compartment of any modern refrigerator, measures 12 1/2" x 4 1/4" x 2 1/2". AC. $14.75 p.d. Freeze-O-Tray Co., 504 Warner Rd., Newport News, Va.

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Convalescing is easier for everyone with this new, single pedestal over-bed table, which the patient can adjust to any height or position. It can be used over chairs too, has storage compartment with mirror in lid, easy for reading and may be had for left- or right-hand service. Specify which. $49.50 express collect. Hill-Rom Co., Inc., Batesville, Ind.
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Finger-tip—open! Saves shoes,Seattle-night!

Scrap scrap's from plate to bag. No handling.

Holds pedlins, coffee grounds, bones, rinds, etc.

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Goodbye to your worst kitchen chore! Now, you, too, can avoid handling, money garbage scrap's! Remove dry bag, fold top, place in pickup garbage can. Keeps can clean, too. This new, quick, clean SCRAP-TRAP is sweeping America. We guarantee you'll be delighted or money back!

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Ducky diner, a combination

plate and cup set for the young­
est member of the household, has a cup shaped to resemble a duck's head (the bill makes a good handle). Dish has vertical walls to prevent spilling. Of polystyrene plastic, 9½" in. pink, blue, white, yellow, $1.75, ppd. Marianne Co., 5310 N. Williams Ave., Portland 11, Ore.

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Faithful reproduction of the traditional well bucket, famed in song and story. Suitable for plants, flowers, as a bottle cooler, waste basket, or for kindling beside a fireplace, and whatever your own ideas may suggest, as well as its original purpose.

It is substantially made of seasoned oak, ¼" thick with iron bands ½" wide. It stands 15" high and is 11" in diameter, with a capacity of three gallons. Price $4.00, Express collect.

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used for about everything under the sun except milking, light brown finish which mellows with age, put one in every spot that needs that authentic New England touch.

Dimensions 10" dia., 12" height.

Price $3.00 each ppd. $5.80 pair

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NEW! A Baby's Toilet Seat That Fits in a Handbag

Yes, if it's a Baby Sitter—mother needn't carry anything embarrassing into rest-rooms or hotels—and baby needn't worry about losing his balance or dignity on a strange seat. Fits any toilet seat, yet folds to 4" square for purse carrying. The plastic-impregnated seat is washable.

Weighs only 8 oz. Pink or Blue (with deflector), Complete with case, only $2.50. Includes postage (if prepaid). COD's OK.

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Somewhere in your house you need a generously-proportioned window to overlook your choicest view. Even if it’s not a large picture window, it should be free of cross-sash and provide unobstructed vision. A fine solution is Twindow, Pittsburgh’s new window with built-in insulation—to cut heat loss, prevent fogging, kill drafts.

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Utica BEAUTICALE Sheets, exquisite percales with a luxurious touch that lasts and lasts. Women who have always owned the finest consider BEAUTICALE Sheets treasured possessions and buy them as the perfect appointment for their homes. For BEAUTICALE’s fully combed cottons, fine-spun threads and finer weave make it a percale of great beauty.

Regardless of price... you can buy nothing finer

Write for your copy of the free booklet, “Beauty Secrets from Your Linen Closet.”

A tulip sprinkler blossoms on a lawn, matching the grace and beauty of the other garden flowers. Single version (not shown) comes in pink, white, yellow or verde, is $5.95. Triple, in verde antique, is $17.95 ppd. Copper and brass construction. The House and Garden Shop, 212 Newbury Street, Boston, Massachusetts.

Amish family group, modeled after careful observation and research by sculptress Hildergard Snow Daffin, is authentic in costume, color and feeling. Of composition, hand-painted and glazed to give a ceramic appearance, actual figures are 8½", children 7". Set of four is $12. Either pair, $7 postpaid. Artstudios, Lititz, Pa.

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NUMBSKULL BOTTLE OPENER

It's Luminous!

"Alas, poor Yorick"—now he's a bottle opener—and a more startling and amusing opener we've never seen. A perfect miniature skull which glows in the dark. Just right for television parties as you can locate the bottle opener without turning on the lights. All metal. Complete with wall screws and gift-boxed $1.50 postpaid—No C.O.D.'s.

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Simulated Double Ruffle (Nationally Advertised—WINDO-TREAT)

Offers: I. 36"x72" Rodless Curtain; $1.75. II. 36"x96" Rodless Curtain; $2.50. III. 36"x108" Rodless Curtain; $3.25. I. AND II. 40½"x72" Rodless Curtain; $2.25. IV. 40½"x108" Rodless Curtain; $3.95.

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Engraved Cherub or Merry weather or any posture. C.O.D.'s not payable. Money back within 10 days if not satisfied.

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As an incentive to the ownership of fine art, these famous artists will sign, individually, each of their original and present to the low price of $5—no matter how much more their works regularly command.

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In genuine ranch mink (deep brown) or silver blue vair, genuine the full effect of the luxurious mink. $19.75 ppd.

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Matching muff $22.50 ppd.

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In this issue

MARY DEPUTY LAMSON, a versatile landscape architect (designing everything from small city gardens to large country places), is an articulate exponent of her ideas in articles (see pages 40-43), lectures and one book. Her relaxations: a farm in N.Y. state, playing the piano and a Kerry Blue. PAUL R. YOUNG has devoted years to making successive waves of children into gardeners, working in the Cleveland public schools. He did memorable work with New York 4-H Clubs, spends spare time getting the maximum of the best vegetables (page 92). He writes on necessary plant foods (page 52). HELEN M. TOTTY is head of the Soils Department at Rutgers University's College of Agriculture. She held a similar position previously at West Virginia and Ohio State and directed agricultural research for American Cyanamid for nine years. She is a director of the International Flower Show, secretary of the Horticultural Society of New York, travels extensively by air to give lectures and write about the article about the newest roses on page 47.

COVER: The rewards of gardening: colorful annual flowers in a vase by Baccarat & Portlault, delphinium and ivy foliage, luscious fruits and vegetables, results of carefully laid plans. Photograph, Herbert Matter.

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Gardening

is its own reward

The dividends your garden pays you are in direct ratio to what you put into it. The actual harvest of flowers, fruits and vegetables may well be the least of these. Even more fruitful is the constant unfolding of new delights, whether your garden is limited to a few potted begonias on a window sill or you paint a larger picture on a canvas of green lawns framed by spreading trees. To the first-time gardener, everything is new. Like Adam in Eden, he lives in a world freshly created for his special pleasure. To the established gardener, the rewards lie in coming closer to perfection of growing and design, and discovering the improvements in varieties of plants introduced each year. But to amateur and expert alike, a garden is an opportunity for self expression, the satisfaction that comes from working with your hands and nurturing living things. Your allies are plant hybridizers and explorers, chemists and equipment designers who labor the year round to make your gardening easier, happier and more productive. Take your troubles to a garden and they recede before its serenity. Relax or rest in a garden and you will probably live longer and be better able to face the vexing problems of human existence with equanimity.

Here are the rewards of gardening, yours for the taking, as great or as small as the work and devotion you choose to give from season to season.

Plan your garden as carefully as you plan your house

To help you with these plans, House & Garden has assembled articles on subjects vital to interesting to gardeners:
- how to choose trees, page 41;
- this year's new plants, page 44;
- the new top roses, page 47;
- important annuals, page 49;
- vegetable gardening, page 91;
- and two authoritative articles on plant foods and soil preparation, page 52.

In addition you will find:
- garden tools for small and large places on page 53;
- procedural directions, drawings and plans are on pages 49-51, 92;
- the Gardener's Guide tells you how to make the most of this year's crop of catalogs, page 94.

Opposite

A SECLUDED CORNER IN THE LONG ISLAND GARDEN OF MR. HORST P. HORST

Blue sky filtered through woodland trees is reflected in this quiet pool rimmed with a combination of wild and cultivated plants. The light gray foliage of Snow-in-Summer (Cerastium tomentosum) flanks the bold, large leaves of skunk cabbage. Delicate pinky-mauve phlox and blue forget-me-not contrast with sword-shaped iris just coming into bloom. A rare Alpine gentian peeks above gray stones, faced down with masses of white ground phlox; in the foreground is a white-flowering primrose.
Make your garden
a lived-in garden

Espalier apple trees bloom against the walls of Mr. and Mrs. Arthur Hill Vincent's garden at Burlingame, California. Thomas D. Church, landscape architect, designed this patio garden as an extension of the house; each room has its own private garden enclosed by planned walls or hedges. The planting is arranged so that flowering trees, shrubs and vines, such as apples, dwarf and standard peaches, Oriental flowering cherries, standard wisteria and roses set in the perennial beds, bloom throughout the spring and summer.
Hedges, above, of the evergreen Japanese ligustrum at right angles to red cedars, surround this intimate Dallas garden and act as a dark green background for the white, light pink and deeper rose of Karume azalea, Camellia sasanqua, with its glossy, leathery, dark evergreen leaves, lends height and contrasts with the azaleas and the evergreen hedges.

Walls, below, of weathered brick frame the Luses' Dallas garden, and are a setting for the shallow pool with its tubs of calla lilies and the flower borders edged with wild blue phlox and hyacinths. Trusses of lavender wistaria, plumes of white spiraea and the tracery of Boston ivy soften the brick. Both gardens were designed by J. O. Lambert, Jr., landscape architect.
How to choose trees

by MARY DEPUTY LAMSON

Trees can make any house look permanent or temporary. People who build new houses on bare land are often tempted to put in too many trees in an effort to mitigate the raw, nude look. If your house is in a wooded section or on an overgrown estate, the opposite can be true. To cut down any tree may seem sacrilege and lead to some acrimonious family arguments. The answer in either case is knowledge of where and when a tree serves a real purpose—either practical, aesthetic or both. To begin with, you must understand the type of tree suitable for a particular place or use. I frequently regret the fact that Joyce Kilmer ever wrote Trees. At least, I wish he had specified which trees he had in mind. A majestic white oak and an old cottonwood have no more in common than Monticello and a tenement. (Continued on page 42)
A

MAPLE is a maple to too many amateurs who are blissfully unaware that a 20-year-old Norway maple is a liability where a sugar maple would have been a constantly increasing asset.

Trees have very definite and clear functions especially when associated with people and their houses. They may screen the house from the street, shade a terrace or a garden seat, cut off hot summer sun from certain rooms. A pair of giant elms in front of many an old New England house is the anchor and frame which sets the foursquare architecture in place, eliminating the need for further planting. A fine specimen, whether indigenous or transplanted, may be the feature around which you design the garden or the house itself. But such a tree must be a specimen that by variety and growing condition is destined for a long, healthy life.

Young trees look astonishingly alike in nursery rows or suburban developments. The planter must know the tree in its maturity (or at least in middle age) to evaluate its permanent usefulness. On the small property, there is literally not ground space for the broad-spreading, low-branching handsomeness of a beech or linden, nor for the greedy Norway maples, willows and poplars. Short-lived, quick-growing box elders, silver maples or Chinese elms are, in my opinion, poor investments on any property. They mature and get shabby before the rest of the place. A hard wind or an ice storm may reduce them to unpresentable skeletons in their youth. Sugar and red maples, almost any variety of oak, honey locust, tulip, sweet gum, have high heads, so sun and air get under and through them. They have

(Continued on page 97)
New faces for your garden

A color parade of new annuals, perennials and shrubs to use in your garden this year

Each year, the seedsmen and nurserymen introduce a few tried and tested plants to an eager gardening public. These plants have been under trial and observation by experts from two to five years or more during which the plants are observed, checked and passed on by experienced growers. Seedsmen sponsor the All-America Selections which embrace annual flowers and vegetable plants. Trial gardens, strategically located as to climatic conditions throughout the United States and Canada, are utilized to test these new plants publicly, prior to introduction. Gold, Silver and Bronze Medals, as well as Honorable Mention Certificates, are available for award, depending on the recommendations of the official judges. New plants which have been amazingly successful in amateur gardens have first appeared on the market through these trials for the past 17 years.

In addition to these plants, there are others which, for one reason or another, do not find their way into a public trial prior to introduction. The gardener's assurance of quality in such cases rests on the fact that almost invariably such plants are introduced by reputable firms which have carefully checked the excellence and performance of the plants and stake their reputations on their worthiness.

As yet no public trials have been organized to test perennials, vines, trees and shrubs, fruits, nuts and berries. Scattered trials on some of these plants are conducted by private groups such as garden clubs, garden centers, members of plant societies specializing in iris, dahlias, peonies, gladiolus, chrysanthemums, daylilies and others. Nurserymen who propagate and grow these plants and others are constantly checking and evaluating all new developments which appear as the result of the hybridizer's work or of special selection. The following list of flowers includes both prize winners and outstanding new introductions. (Vegetable winners will be found on page 90.)

The 21 judges who constitute the council of experts for annual flowers of the All-America Selections announce the first Gold Medal winner since 1939: **FIRE CHIEF PETUNIA** is its name, spectrum red its color. This flower received more points than any annual flower has ever received since the beginning of the All-America trials 17 years ago, an enviable record. Petunias have always been a popular and useful plant but have lacked the brilliant, glowing scarlet-red of **FIRE CHIEF**, which bright weather will not dim. Dwarf, but erect in habit, this red petunia branches freely, forming a compact clump about 1' in height. The foliage is a rich, medium green. The flowers which cover the plant profusely throughout the growing season are single, about 2½" across—large for a bedding petunia—of good substance and lasting quality, rich and velvety in texture. **FIRE CHIEF PETUNIA** will provide an excellent color note for your flower beds and borders used in groups or as an edger or for use in window boxes and pots. It is the only winner in annual flowers judged by the All-America Selections for introduction this year.

Another brilliant annual worthy of consideration for the taller section of your border is the vibrant, scarlet-red **ZINNIA FLORADALE SCARLET**, which will reach 2½' to 3' in good, fertile gardens and bear blossoms as much as 5" across and 3" deep if given good care. The strap-shaped, slightly ruffled florets which recurve downward give the effect of dahlias; the bright coloring of the upper surfaces is softer on the back and changes as the light strikes the florets from different angles. **ZINNIA FLORADALE SCARLET** will be a striking addition to the midsummer and fall effects of your garden.

Among other commendable introductions for 1950, the adventurous gardener will be eager to try the dwarf, single French type of **MARGOLD SUNNY**, which received an Award of Merit from the Royal Horticultural Society in Great Britain. Well-rounded plants 10" in height are covered with single, bright yellow flowers 2" across, with wavy edges. **SUNNY** starts blooming early and will continue through the season and is an excellent addition for the mid-section of the border or for the cutting garden. For the taller part of the border, try the new 3' to 3½' tall double African **MARGOLD SUN GIANTS**. This is a new mixed strain which bears carnation-type, spongelike flowers as much as 4½" across in varying shades of pale, deep and buff primrose, other tones of yellow, gold and orange, including a deep orange, and unusual bicolors.

For the mid-border there is a new cut-and-come-again **ZINNIA TANGERINE**. Bright fiery orange, nicely rounded flowers 1½" to 2½" across are borne on 18" to 24" plants with almost as much spread.

Sweet Pea fanciers will want to try four new ones: **CUTIES**, **Serenade**, **William** and **JIMMY**. The last two are Cuthbertson strains. **CUTIES**, a delicate pink which shades into a soft pink at the edges and lighter, creamy pink at the base of the keel, won an Award of Merit from the National Sweet Pea Society of Great Britain and is available to American gardeners for the coming season. (Continued on page 100)
In her Lake Forest garden

Mrs. Howard B. Peabody, an enthusiastic gardener, transplants dwarf ageratum and brilliant marigolds.
In her garden at "Bellevue" Mrs. Neill Phillips of Warrenton, Virginia, grows fine hybrid tea roses as standards.
A great year for roses

Four new varieties have swept the rose world: 15 others make notable news

by HELEN M. TOTTY

Fashion is the rose which dominates the rose world this year. This exquisite coral-pink floribunda rose made its debut in Paris, took a gold medal at Bagatelle in 1949, was awarded another gold medal in London and scored top honors in all test gardens at home and abroad. Its flowers are an entirely new tone in roses and the plant is never out of bloom: a true All-America winner and the first to receive this triple crown of highest honors. Plant fashion massed in large beds or surrounding a bird bath; even the birds will be attracted by its charm. Its luminous coral-pink tones overlaid with gold are emphasized by the glowing central cluster of yellow stamens.

California is rapidly becoming an important center of rose growing. Among the California All-America winners introduced this year are Capistrano, a richly fragrant large-flowered clear rose-pink and Mission Bells, a glowing salmon-pink, the first of a new race of roses to be named in honor of the California missions. Vigorous in growth, fairly large in flower, they will be excellent as exhibition roses, as well as for gardens and flower arrangements.

The deep, glowing rose-pink of the bud of rose Capistrano is retained in the fully open flower, which will reach as much as 6" across with 36 petals. The clinging, heavy fragrance of even a few blooms will permeate a large room. The long, firm stems will reach to 4' or 5' when the plant is well grown and the foliage is of equally good substance, large, almost leathery in texture and, because of its vigor, very resistant to diseases which attack roses.

The second hybrid tea from California, Mission Bells, is equally strong in growth, but its color tones are a deep salmon-pink opening to a clear shrimp-pink. The buds are more pointed than in Capistrano, borne on long, firm stems about as tall, and the full-centered flowers will be as large as 5½" across. The plants branch well, with a coppery green foliage on stems which have very few thorns. The color of the flower is deeper in cool weather and it does not fade.

Sutter's Gold, though Californian in origin, is truly cosmopolitan, having won the 1948 gold medal award at Bagatelle as well as the All-America 1950 award. Its rich golden-yellow flower is carried on strong, disease-resistant plants.

The long, pointed buds of Sutter's Gold open up into a semi-double flower with many tonal variations from a rich deep orange through the palette of yellows, shades varying with the weather and location of the planting. Sutter's Gold has a pronounced tea fragrance, a richness of perfume which excels that of any other yellow rose. The light green foliage is glossy and luxuriant, an excellent background for the brilliant tones of the buds and flowers.

From the same seed pod as Fashion comes its sister, Vogue, deeper pink and less spectacular but sturdy and extremely dependable. Vogue is bigger in growth than Fashion, with darker foliage, a good floribunda which gives plenty of bloom and requires little care.

Perfume is the pièce de résistance of Tom Breneman, still another new California variety, the memory of whose haunting fragrance remains with you long after the coral-pink flowers have faded and gone. Also rare Ruth, that lovely copper-salmon which, like its namesake, never lets you down. It is always in bloom.

Fandango, as judged last autumn on the Eastern Shore of Virginia, had merit and was also very fine on the West Coast. Its large ruffled petals of scarlet-cerise hold their color well in the fall and the spring. Its fragrance is good and it blooms fairly constantly throughout the summer but during the hot weather it will lose in size and petalage. It is at its best in the early spring and cooler months.

Olive Percival is as happy in the garden at Bagatelle, France, as in its home in California. It is slender and graceful, with bright cherry-red buds opening slowly to a quaintly old-fashioned semi-double bloom.

As companion pieces in your garden, why not try two lovely Dutch rose originations? One, the most widely grown rose seen in Holland, aptly named Golden Sceptre, will add gold tones. Its long, thorny canes and dark green, glossy foliage are crowned by a long, pointed bud of rich gold. Very floriferous, it keeps remarkably well when cut and does not fade, holding the rich golden color until the petals drop.

The foil for Golden Sceptre is Orange Delight, the prosaic name for a breathtakingly beautiful rose. Its leathery dark green foliage makes an excellent background for the brilliant deep orange flowers with highlights of gold and deep copper for additional shading. Orange Delight may never be the finest rose in your garden, but it will certainly be one of the most beautiful for color.

The newest addition to the popular Pinocchio family is Yellow Pinocchio, sturdy and free-flowering. At the height of its bloom, it presents a well-rounded mound of apricot-yellow, well adapted to a border, foundation or massed planting.

As entertaining as a patchwork quilt is Masquerade, any one spray of which will run the full gamut of color from yellow through corals

(Continued on page 99)
Nine flower favorites make a color parade

**COSMOS PINK**
is tall, good for background.

**CELOSIA CHILDSDI**
is a round-headed cockscomb.

**COSMOS YELLOW FLARE**
will often self-sow.

**CLEOME PINK QUEEN**
will reach over four feet.

**RUDBECKIA KELVEDON STAR**
is easy to grow.

**CYNOGLOSSUM BLANCHE BURPEE**
is white and blue.

**TRACHYMENE COERULEA**
is the Blue Lace Flower.

**HUNNEMANNIA SUNLIGHT**
a fine variety of Mexican Tulip Poppy.

**LARKSPUR SUPER MAJESTIC DEEP SALMON**
is a new color in this strain.
Vary your garden with annuals

by PATRICK J. McKENNA

Instead of growing the same few old annuals year after year in the same old way, you were to follow a planting and growing scheme, you could take full advantage of many fine new introductions as well as of less well known types. Some of these are shown opposite and included in the plan for an annual garden on page 51. Annuals can be planted to follow spring bulbs, to supplement the early summer perennials or, as in this plan, to provide fine color combinations throughout the growing season. A greenhouse, hothead or cold frame is an asset for starting seeds early, but pots or flats may also be useful if you have a well-lighted plant window. To be sure that you will have the exact colors and types that you want, you should grow them from seed purchased by variety name.

The time for sowing your seeds indoors is determined largely by the approximate time you want them ready to plant outdoors. If you have a greenhouse, you can allow eight to 10 weeks from the time you sow your seed until your plants are ready to be set out. In a hothead, whether heated by electric cable or with manure, allow six to eight weeks. A cold frame will give you four weeks’ start over the date when you can sow your seeds directly where they are to grow. Certain annuals which resent transplanting should be sown where they are to grow as soon as the frost has left the ground (towards the end of March in the New York area). Hardy annuals to be treated in this way include larkspur, Shirley and opium poppies, centaurea and sweet peas. These need early sowing in order to permit good root development during the cool weather. Sow them sparsely and thin them out so they stand 6” to 9” apart. Broadcast sowing will suit all but the sweet peas, which are handled better in drills or narrow trenches. Towards the end of March or early April, start your marigolds, cosmos, Cleome (spider flower), Cynoglossum (Chinese forget-me-not) and the later types of China asters indoors or under glass.

How to grow seeds in flats: six steps

1. Buy or make shallow boxes (called “flats”). Bore holes in the bottom at frequent intervals to facilitate drainage.
2. Scatter crushed stone or pot shards over holes to prevent undue leaks, then cover these with a layer of sphagnum moss.
3. Fill box to within 1 ½” of top with soil (1 part sand to two parts peat). Mark out even rows with beveled edge.
5. Cover box with cheesecloth on a frame or folded newspaper; seeds do not need light until they start to germinate.
6. Use fine-pointed implement to “prick off” or transplant crowded seedlings into new flats, give them room to grow.
How to grow seeds in pots: 11 steps

1. Components: ½ garden loam, ½ leaf-mold or well-rotted peat moss, ½ fine sand. 2. Screen each to remove lumps and sticks or stones. 3. Mix the three ingredients together thoroughly and then sterilize (by putting into 170 degree oven for two hours) to kill the spores which can be so fatal later to tender growing seedlings.

HOW TO PREPARE THE POT
4. Cover the drainage hole in the bottom with a large shard. 5. Add a layer of smaller pieces of broken pots, shaken well so they settle evenly. 6. Over this fit a layer of sphagnum moss; then fill pot with prepared soil (see above). 7. Level off excess soil on top so that it is ready to be planted.

HOW TO PLANT THE SEEDS
8. Scatter seeds evenly and thinly over the level surface of the soil. 9. Fill strainer with sand or fine soil mixture and sift a thin layer over the seeds. 10. Tamp the surface flat and firm with a wooden disc on a handle. 11. Sprinkle the surface with lukewarm water, using a rubber bulb with a fine spray so seeds are not disturbed. Repeat this, as soil tends to dry out, till plants are ready to be moved out-of-doors.

Place annuals to please the eye; include a location to feature continuous color effects

Ideally, the annual garden or border should be located where it can be seen easily from the house or the terrace and near enough for you to enjoy the mingled scents of the fragrant flowers. When you have chosen the site, draw to scale a rough plan of your planting area and make a list of the annuals you want to grow. Choose varieties in the plan opposite, or similar ones from seedsmen’s lists. You can have two borders alike or vary them as shown on the plan. The best display comes from mass grouping, but avoid crowding the plants too much if you wish to have the greatest possible number of blooms throughout a long season. Allow 4” to 5” for edging plants; 9” for phlox, Helenium, scabiosa, Cynoglossum, Trachymene, snapdragons, pinks and carnations; give the taller cosmos, sunflowers and nicotiana 18” to 24” and other, medium tall ones, 12” to 15”. Allow wider spacing between the different groups than between the plants within each group. Some annuals will naturally bloom ahead of others, but there will be a long period when all will bloom together. Then some of the very early kinds will start to go by. Phlox, the centaureas and poppies are among these. Seed sown from mid-June to July first will produce plants that later will revive the border and provide flowers until the end of the growing season. Keep your annual garden at its best by watering and feeding it well, and by removing flowers that have passed.
Display your annuals in informally blended color patterns

The design of an annual garden can be flexible. You can enclose your garden completely with a low brick or stone wall, add cross paths or use the annual borders to form the boundary of a simple rectangle of grass, as is done here. A garden gate or other architectural structure will serve as a focal point. Even the background admits of wide variation in treatment. Use a trellis or fence with annual vines or try tall-growing annuals.

<table>
<thead>
<tr>
<th>Flowers of 6&quot;-12&quot; height</th>
</tr>
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<tbody>
<tr>
<td>1 Pinks Chinese double mixed</td>
</tr>
<tr>
<td>2 Centaurea Jubilee Gem</td>
</tr>
<tr>
<td>3 Verbena salmon pink</td>
</tr>
<tr>
<td>4 Petunia Snowstorm</td>
</tr>
<tr>
<td>5 Abyssum Carpet of Snow</td>
</tr>
<tr>
<td>6 Petunia Elks Pride</td>
</tr>
<tr>
<td>7 Phlox drummondii Chamois Rose</td>
</tr>
<tr>
<td>8 Petunia Glow</td>
</tr>
<tr>
<td>9 Zinnia Midget Snowball</td>
</tr>
<tr>
<td>10 Petunia Velvet Violet</td>
</tr>
<tr>
<td>11 Sanvitalia procumbens</td>
</tr>
<tr>
<td>12 Verbena pink</td>
</tr>
<tr>
<td>13 Zinnia linearis</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flowers of 12&quot;-30&quot; height</th>
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</thead>
<tbody>
<tr>
<td>14 Marigold Yellowstone</td>
</tr>
<tr>
<td>15 Ageratum Blue Perfection</td>
</tr>
<tr>
<td>16 Snapdragon yellow</td>
</tr>
<tr>
<td>17 Poppy American Legion</td>
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<tr>
<td>18 Zinnia Dream</td>
</tr>
<tr>
<td>19 Scabiosa Siasta</td>
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<tr>
<td>20 Snapdragon Indian Summer</td>
</tr>
<tr>
<td>21 Zinnia Golden Dawn</td>
</tr>
<tr>
<td>22 Zinnia Crimson Monarch</td>
</tr>
<tr>
<td>23 Trachymene coerulae</td>
</tr>
<tr>
<td>24 Zinnia Golden State</td>
</tr>
<tr>
<td>25 Cynoglossum amabile</td>
</tr>
<tr>
<td>26 Chrysanthemum Northern Star</td>
</tr>
<tr>
<td>27 Marigold Orange Sunset</td>
</tr>
<tr>
<td>28 Zinnia Lemon Queen</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Flowers of 2'/2-5' height</th>
</tr>
</thead>
<tbody>
<tr>
<td>29 Scabiosa King of the Blacks</td>
</tr>
<tr>
<td>30 Humemaria fumariaefolia</td>
</tr>
<tr>
<td>31 Celosia Flame of Fire</td>
</tr>
<tr>
<td>32 Marigold Guinea Gold</td>
</tr>
<tr>
<td>33 Rudbeckia Kelvedon Star</td>
</tr>
<tr>
<td>34 Zinnia Crimson King</td>
</tr>
<tr>
<td>35 Scabiosa blue</td>
</tr>
<tr>
<td>36 Rudbeckia Starlight</td>
</tr>
<tr>
<td>37 Argemone platyceveras rosea</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flowers of 5'-6' height</th>
</tr>
</thead>
<tbody>
<tr>
<td>38 Cosmos red</td>
</tr>
<tr>
<td>39 Salvia farinacea</td>
</tr>
<tr>
<td>40 Nicotiana sylvestris</td>
</tr>
<tr>
<td>41 Cosmos pink</td>
</tr>
<tr>
<td>42 Centaurea americana</td>
</tr>
<tr>
<td>43 Cosmos white</td>
</tr>
<tr>
<td>44 Larkspur white</td>
</tr>
<tr>
<td>45 Cleome Pink Queen</td>
</tr>
<tr>
<td>46 Zinnia Elderado</td>
</tr>
<tr>
<td>47 Larkspur pink</td>
</tr>
<tr>
<td>48 Larkspur Blue Spire</td>
</tr>
<tr>
<td>49 Larkspur Lilac King</td>
</tr>
<tr>
<td>50 Celosia red</td>
</tr>
<tr>
<td>51 Cosmos yellow</td>
</tr>
<tr>
<td>52 Larkspur Dazzler</td>
</tr>
<tr>
<td>53 Zinnia Burpee's Giant</td>
</tr>
<tr>
<td>54 Marigold Orange Supreme</td>
</tr>
<tr>
<td>55 Morning Glory blue and white</td>
</tr>
</tbody>
</table>

Tithonia Avalin Earli-l. -| a<cil 2' apart

Each border is 6' wide.
Plant foods and soil preparation

What a beginner should know about plant foods

by FIRMAN E. BEAR
Dr. Bear is Chief of Soils Department, Rutgers University

It takes more than a “green thumb” to grow a carpet of grass, a bed of flowers or a patch of vegetables on the kind of soil that you find around many new houses. You will generally need (a) organic matter (b) lime (c) plant foods and (d) the “know-how” to make good use of all of them. (Today, many manufacturers use the term “plant foods” for fertilizers and it is used here in that sense.)

Organic Matter. Every soil is improved by the addition of organic matter. This can be supplied either by top dressing with good rich loam, by working cultivated peat, compost or well-rotted manure into the soil, or by growing a good crop of rye grass and clover and turning it under while it is still in a young green state. Manufactured plant foods, valuable for the mineral nutrients they contain, need to be supplemented by organic matter.

Lime. East of the Mississippi River, practically all soils are acid and need to be limed to grow a good lawn, many flowers, most vegetables. This is especially true if you like a little clover in your grass and if lettuce and tomatoes are important parts of your vegetable garden. As a rule, an application of pulverized limestone at the rate of 100 pounds per 1000 square feet (or 75 pounds per 1000 square feet, if you use hydrated lime) will meet the requirements at the start of soil preparation. Half that amount every second year will suffice thereafter. It is best to keep the lime away from evergreens, from members of the ericaceae family (such as rhododendrons, azaleas, blueberries, heaths and heathers) and from such vegetables as white and sweet potatoes. If you have a sandy soil, your regular applications of lime should be cut in half.

Mineral Plant Foods. Organic matter and lime alone are not enough to give you a good, fertile soil. These materials need to be reinforced with at least one yearly dose of a complete or balanced mineral plant food. There

Prepare your garden soil before you plant

by P. P. PRORONE
Dr. Pirone is Plant Pathologist at the New York Botanical Garden

Many gardeners think that soil is an inert mixture of sand, silt, stones, clay and organic matter. Actually, it is an active natural body in which physical, chemical and biological changes are constantly occurring. Its composition varies from day to day and even from minute to minute. Soil serves as a storehouse for plant nutrients, an abode for microorganisms and a reservoir of water for the plant’s growth. It also provides anchorage for the plant.

The average garden soil is composed largely of elements that plants do not need or cannot use. The greater portion is made up of silicon, aluminum and iron. In regions where rainfall has been plentiful over thousands of years, most of the elements that are soluble in water have been leached out. Because many of these are needed by plants, your job as a gardener is to recover such materials and put them back into the garden. The whole commercial plant food industry is based on this premise. Besides putting back what the rainfall has taken away, you may need to change the physical condition of the soil to make it more favorable for plant growth. You may have to alter a heavy, or perhaps a sandy, soil to one that is porous and spongy—one that will not bake hard or dry out excessively during dry spells.

Correct preparation of the soil is the first and most essential step toward a successful garden. It includes providing good drainage and mixing into the soil certain necessary materials. Most garden soils in urban areas are not the natural ones found there when our country was first settled. They are remade or relocated soils. Many consist largely of subsoil taken from cellar excavations. Such soils may have a layer of hauled-in topsoil which covers rocks, tin cans, bricks, plaster, cinders and other debris. They may be productive on the surface but highly unproductive below. No matter what the origin or present condition of the soil, however, you can provide

(Continued on page 102)
Mechanics of gardening

These power-driven tools will save wear and tear on your back if you do your own gardening; if you employ a yard boy or handy man they will cut his time by hours (and his day's bill) and thus repay your original investment in a very short time. These are manufacturers' new 1950 models.
Williamsburg revisited

The restoration of Williamsburg has grown in stature and mellowed in the 12 years since House & Garden devoted an entire issue to it. Although the work of restoration is still going forward, today we see Williamsburg not as a tour de force but in its true perspective, as an evocation of a remarkable period in American history and manners. Williamsburg is more than a record; it is a vital influence on today's taste. If you are decorating a room, study the eight pages which follow. They are rich in ideas. If you want to add an authentic Williamsburg air to your house, turn to page 62 for photographs of Williamsburg reproductions. If you are building a small house and planning a garden for it, you might go to one of the two sessions beginning February 27 and March 6 co-sponsored by House & Garden and Colonial Williamsburg (for further details, see page 6) devoted to its small houses and gardens. The Registrar at Williamsburg, Virginia, will send you complete information on them. Go to Williamsburg this spring and enjoy the brilliant recapitulation of its great houses, the charm of its small ones. This colonial capital of Virginia has been restored with singular devotion and foresight in order "that the future may learn from the past."

Opposite

THE GOVERNOR'S PALACE IS SET IN GARDENS.

IN THE FOREGROUND THE MAZE OF CLIPPED HOLLY,
AN EIGHTEENTH-CENTURY ORNAMENT AND DIVERSION;
BEYOND THE BRICK WALL, THE FRUIT GARDEN.
Epitomizing the past greatness of Williamsburg, the pictures on these pages recapture the era when it was a colonial capital and a setting for history. These buildings, close by the most historic avenue in all America, Duke of Gloucester Street, constitute a remarkable record of life in eighteenth-century Virginia, characterized by English elegance and native American vitality, by vigorous architecture and by handsome decoration.

The Capitol, Governor's Palace, Raleigh Tavern, Wythe House and the shops are American landmarks.
THE LITTLE DINING ROOM in the Palace, used by the Governor and his family, is painted gray-green. The sumptuous chandelier is silver. On the mantel is a Whieldon agateware tea set; on the Chippendale mahogany table, a Lowestoft bowl. The particularly fine Queen Anne chairs have original needlepoint seats. As in many great houses of the period, an Oriental rug is used. Furnishings of the Palace comprised "standing furniture," provided by the Assembly, and the private possessions of the Governors. Old inventories are the basis of the present furnishings of Williamsburg.
Two centuries ago Williamsburgers planned small houses and gardens which we still find charming.

In 1759 Andrew Burnaby described Williamsburg as a place of “agreeable residence.” In 1950 the description is still applicable and people all over America turn to the small houses and gardens of Williamsburg for inspiration. By the plan which Governor Nicholson drew up in 1699, each house had a lot at least one-half acre in size, room for a garden and orchard, and stood at least six feet from the broad street. Outbuildings followed the design of the house. The story-and-a-half house, with steep-pitched “A” roof and high dormers, recurs repeatedly. There was frequently a brick chimney at either end of the clapboard building and a central hall which led out to the gardens in the rear. Sometimes the hall was at one side, sometimes the layout was one room deep, sometimes two. The variety is surprising. The rooms, even when small, were well proportioned, tidily arranged. Like them, the gardens were orderly with brick walks and clipped hedges bordering the geometric beds. The yard for domestic services was conveniently arranged and, with the gardens, was often enclosed with painted wooden fences.
How to identify Colonial furniture at Williamsburg

On these two pages is a guide to Williamsburg's distinguished colonial past when Royal Governors and well-to-do tobacco planters furnished their houses in the Virginia capital with imports from London and the finest that the colonies could produce. Here you can trace the influence of Thomas Chippendale on a masterly chair or a sofa whose design was inspired by originals fashioned at #60 St. Martin's Lane, London, in the 1770's. You can recognize the royal taste of Queen...
Anne in tea tables and lacquered cabinets brought to Virginia by British ships in the eighteenth century. If you collect Wedgwood, you will discover that “Queen’s Ware, Husk Design,” was made for Queen Charlotte of England, by Josiah Wedgwood in 1776, who became “Her Majesty’s Potter.” As you study these drawings you will find that the hand-blown glass, china, silver and furniture reflect their epochs. You will see here the “fashions” of two centuries—the seventeenth and eighteenth. Perhaps most interesting is the change wrought on English Georgian models by American craftsmen. The American character makes itself apparent in simplification and added strength. To appreciate the best of Williamsburg, look for characteristics such as: the bracket foot, cabriole leg, the lyre, hawknot, rosette, lion’s masque and paws, baluster-stem and tear-drop goblets, pistol-handled knives, hand-filed brass, keyhole escutcheons, acanthus leaf and scallop shell.
Williamsburg can belong to you

In order that the beautiful furnishings of Williamsburg can become part of the pattern of contemporary American life, 20 manufacturers are licensed to make faithful replicas of them. The licensee for brassware, ironware is Virginia Metalcrafters; for ceramics, Palin Thorley; clocks, Seth Thomas; cotton and linen fabrics, Schumacher; dinnerware, commemorative plates, Wedgwood; floral prints, Dietz Press; foods, Lucy Ann Gray; furniture, Kittinger; glassware, Blenko; hand-wrought iron, Boone Forge; brass rim locks, Folger Adam; mirrors, Friedman Bros.; needlepoint, Emile Bernat; paint, Pittsburgh Plate Glass Co.; paper dolls, samplers, Samuel Gabriel; pewterware, brassware, Max Rieg; silk fabrics, Scalamandre; silverware, Stieff; wallpaper, Katzenbach and Warren; writing paper, Eaton. The center of the reproduction program is the Craft House, Williamsburg, where all of these reproductions are on display and sale. Many of them are at stores listed on page 112. Full shopping data, page 112.

THE REPRODUCTION PROGRAM recreates with equal finesse such diverse items as the pistol-handled silver of the eighteenth century, above, the attractive mahogany tray (alcohol proofed) and the handsome Stencil Square wallpaper.

A WEALTH OF ACCESSORIES, right, includes Queen's Ware styled after an original husk design plate in the Governor's Palace, a reproduction of shelves made about 1760, a muffiner after one hallmarked in London, 1709, a tin sconce, silk damask and a tall glass hurricane shade for a candle.

EVEN LETTER PAPERS have been copied, bear water marks of the arms and cipher of George I and II. The original of the brass candleabrum with adjustable arms is in the Governor's Palace. Magnificent brocades and impressive mahogany furniture alternate with sprightly country cottons and linens.

MIRRORED in a Queen Anne looking glass, right, whose lacquered frame is gilded with figures in the Chinese manner, are a faithful reproduction of a Bristol Delft jardiniere and a length of Williamsburg Floral Bough cotton. Note the handmade Tear-Drop footed glasses.

Williamsburg's lovely colors are embodied in the paint swatches of Raleigh Tavern Chinese Red, Wythe House Yellow and Palace Ballroom Blue. Charming in color and design is the Raleigh Tavern cotton in the foreground, while a more elegant note is struck by the silk damask on His Lordship's inlaid mahogany chair. On the Queen Anne tea table is a commemorative plate, one of a series of a dozen Williamsburg scenes.
The South, new and old

The traveler who visits the South to savor the spirit of its romantic past will see as well

the signs of its industrial and agricultural renascence. Terraced,

curving patterns of contour farming have begun to stretch between historic shrines

is making capital of its traditional charm and hospitality, the South has perhaps unwittingly given the public
a narrower view of its attractions than is necessary. The charm is there—in the Georgian and antebellum houses, in
the magic of the romantic gardens—but so are the low, clean-cut profiles of today’s industrial plants, the serpentine
patterns of modern contour planting. For if it is true that a part of the South lives in its magnolia-scented past à la
Tennessee Williams and Truman Capote, another part lives realistically, its eyes on the future. Between the old South
and the new, there are any number of reasons for migrating in that direction. The historic house and garden tours which
begin toward the end of April are among the favorite perennial haunts of HOUSE & GARDEN readers. So are the spas,
those peculiarly American combinations of luxury hotels, curative waters and golf courses—i.e., the Greenbrier at
White Sulphur Springs, West Virginia, and the Homestead at Hot Springs, Virginia. Golf courses abound in North Carolina resorts such as Pinehurst, Southern Pines, Tryon and Sedgefield. And for the aquatic-minded who prefer to meet the summer halfway in spring, there are The Cloisters at Sea Island, Georgia, the Cavalier Hotel at Virginia Beach and the Tides Inn at Irvington, Virginia. The grandeur of the landscape is nowhere better displayed than in Shenandoah and Great Smoky Mountains National Parks, connected by the Skyline Drive and the Blue Ridge Parkway. Of the latter’s 477 miles, more than 300 miles are now usable on paved or crushed stone surfaces, linked by state highways.

Elegance out of the past

PRE-REVOLUTIONARY DECORATION reached its height in the elaborate stucco work of the Great Room at Kenmore, Fredericksburg, Virginia. George Washington imported a French artisan to execute this superb ceiling in the home of his sister and her husband, Colonel Fielding Lewis. Chandelier is Waterford glass.
Outline for a southern tour

House & Garden suggests what to see, where to stay, between Fredericksburg and Savannah.

**Fredericksburg**

FREDERICKSBURG, VIRGINIA, is a city literally crammed with the memorabilia of history. It was founded and took its present name in 1727. Some members of the Washington family lived there, and James Monroe set up his first law office in the city. Between 1861 and 1865 Fredericksburg was an armed camp and, from time to time, the scene of some of the bloodiest battles of the Civil War. By the end of the war it was practically desolate, its houses torn by shot and shell. Today, it is a small, forward-looking city.

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**Charlottesville**

CHARLOTTESVILLE, VIRGINIA, at the foot of the Blue Ridge Mountains, is an altogether lovely university town, a center of well-tended, rolling estates, fox hunts and apple and peach orchards. The entire vicinity is permeated with the aura of Thomas Jefferson. Dominating the city is the University of Virginia, designed by him, and probably our most beautiful educational buildings. Nearby are Monticello and fine country houses.

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**Richmond**

RICHMOND, the capital of Virginia, sits on seven hills, overlooking the island-strewn James River, whose lower banks are in turn lined with many fine colonial houses. At first glance it appears to be a completely modern city, but it, too, has its quota of historic landmarks and shrines. Not, however, as many as it might have had, if Lee, upon evacuating the capital, had not ordered the government warehouse burned. The flames nearly wiped out the city. Today, it is a great tobacco market.

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**Charleston**

CHARLESTON, SOUTH CAROLINA, is practically synonymous with flowers. In the gardens of the city and outlying plantations there are an unbelievable succession of wisteria, japonicas (camellias), azaleas, daphne, magnolias, Banks roses, erape myrtles and oleanders. Owing to the fact that many Englishmen came to Carolina by way of Barbados, its early houses combine Georgian with West Indian characteristics: lazy iron work twines around windows and garden gates. Its ante bellum houses are grandly magnificent, their exterior walls patterned with Greek porticos, huge doorways and floor-to-ceiling windows. First named Charles Town in honor of Charles II, the city was founded as an English colony under Governor William Sayle in 1670, and was the first permanent settlement in the Carolinas. By 1775, Charleston was one of the most important colonial seaports, and the scene of a luxurious way of life. Its inhabitants were described as the "gayest in America."

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**Savannah**

SAVANNAH, GEORGIA, is reputed to be the first planned city in the United States, and although today it has outgrown its original plan, it retains much of its original charm. It fronts a landlocked harbor, is backed by oaks and pines. Although its tempo is leisurely, it is the world's leading port for naval stores and the most important South Atlantic cotton port.
KEMORE: open daily, 9 to 5:30, evenings by appointment; $50. Home of George Washington's sister and her husband, Col. Fielding Lewis, has remarkable stucco ceilings (see page 64, also House & Garden, July 1948). MARY WASHINGTON HOUSE: open weekdays, 9 to 6, daily in spring and summer; $30. House Washington bought for his mother in 1772 has notable old English garden. STRATFORD HALL: 42 miles east of Fredericksburg; $50. Birthday of members of the Lee family; unusual example of early Georgian style. HISTORIC GARDEN WEEK: April 22 to 29. Private houses and gardens in and around Fredericksburg open to public. For details consult the Garden Club of Virginia, Princess Anne and Stratford Hotels, Houses to watch for: the Doggett House, Belmont, Marmion, Waverly, Wakefield.

MONTICELLO: open daily, 8 to 5; 3 miles southeast of Charlottesville; $50. Jefferson's celebrated home begun by him in 1760 and completed in 1809. ASH LAWN: open daily, 7 to 7; 2 miles beyond Monticello; $50. Home of President James Monroe; estate covers 630 acres, is noted for boxwood. HISTORIC GARDEN WEEK: April 22 to 29. Many houses and gardens in and around Charlottesville open to public. For details consult Garden Club of Virginia, Monticello Hotel, Houses to watch for: Kinloch, Castle Hill, Old Keswick, Montpelier, Morven, Redlands and Rose Hill.

ROBERT E. LEE HOUSE: open weekdays, 9 to 4:30, Saturday to noon. Built in 1845, occupied by Lee during the Civil War; home of Virginia Historical Society. JOHN MARSHALL HOUSE: open weekdays, 9 to 5, Saturday to 1; 25$. A quaint red brick house built by the Chief Justice about 1790. MAYMONT PARK: formerly a private estate, it was given to city by Major James Dooley, contains the Dooley House, now a museum, and gardens. EDGAR ALLAN POE MEMORIAL: Tuesday to Saturday, 9:30 to 5: Sunday, Monday, 2:30 to 5:30; 25$. Old Stone House, teahouse and garden. HISTORIC GARDEN WEEK: April 22 to 29. Private houses and gardens open to the public. For details consult Garden Club of Virginia, Hotel Jefferson.

JOSEPH MANICHAUT HOUSE: open weekdays, 10 to 5 during tourist season, other times, mornings; $50. Fine example of post-colonial style. HEYWARD-WASHINGTON HOUSE: open weekdays, 10 to 6 in March and April, 10 to 2 other months; $50. It is a fine example of early Georgian, PRINGLE HOUSE: open weekdays, 10 to 1 and 3 to 5; $1. Built about 1765 by Miles Brewton, it is a stately example of the Charleston "double house." MULBERRY PLANTATION: daily December to May, 9 to 6; 26 miles north of Charleston; $2. Handsome example of pre-revolutionary architecture. SWORD GATE HOUSE: open daily, 10 to 1 and 3 to 5; 50$. Romantic house and garden (1808-25) behind gates after which it is named. MAGNOLIA, MIDDLETON, CYPRESS GARDENS: three world-famous gardens northwest of Charleston; Thanksgiving to February 22, $1.30 each; February 22 to May, $2 each, or $5 for all three. PIERSART CRUZE: open all year; across the harbor from city; December-May, $2; May-December, $1. Secluded gardens on an estate by the sea. HISTORIC CHARLESTON FOUNDATION TOURS: March 20 to April 15. About 20 historic private houses, dating 1712-1822, open to public. For details consult Historic Charleston Foundation, 94 Church St.

TETF I FAIR HOUSE: houses Telfair Academy of Arts & Sciences, built 1820. BARNETT HOUSE: a handsome ante bellum house on the Isle of Hope. COLONIAL BAMES HOUSE: home of Juliette Low, founder of Girl Scouts. GILES BURR HOUSE: former home of Aaron Burr's aunt, built prior to 1800. MECALPIN HOUSE: designed by Henry McAllpin about 1835. WORMSLOE PLANTATION: the most famous private garden in Savannah; may not be open. For details on Savannah houses and gardens, consult Garden Club of Savannah.
Old maps paper the entrance hall which is a mosaic of Regency furniture and objets.
The house in the park

At Wilton, England, an 18th-century school has been restored as a house by the Hon. David Herbert

When, in 1533, Henry VIII dealt out confiscated monasteries with a lavish hand, he bestowed on Sir William Herbert, first Earl of Pembroke, Wilton Abbey and the lands belonging to it. Ever since then, there have been Herberths at Wilton. One of the Herberths, progressive Lady Georgina, opened a school for the children of her father's tenants in the eighteenth century. The school was housed in a charming small building. Its façade of richly carved stone (taken from an earlier folie and ascribed to Inigo Jones) overlooks the gentle stream of the River Nadder. Its gardens are sweet with clipped lavender and rosemary. In the same Park School, the Honorable David Herbert, second son of the present Earl of Pembroke, saw possibilities for a delightful house. The rooms, though small, are handsomely proportioned, with high, vaulted ceilings which are admirable for the elegant furniture and beguiling objets d'art which he likes.

Within the small confines of Park School, Mr. Herbert has recaptured something of the spirit of Wilton House, which was so celebrated in the early days of splendor and expensive taste. The decoration of his tiny house and the highly personal nature of Mr. Herbert's possessions gain in coziness and charm from the proportions of Park School. Like his ancestors, Mr. Herbert enjoys punctuating his garden with statuary. With the help of his friend, Cecil Beaton, who lives nearby at Reddish House (see House & Garden for June, 1949), Mr. Herbert, an enthusiastic gardener, carried an elaborate rose arbor from Paris. It is now a canopy of white roses for a piece of Greek statuary.
House in the Park continued

Baroque fantasy pervades the flock-papered dining room.

Extravagant Chinese embroidered silk curtains cascade from an elaborate Regency pelmet, between a sunburst clock and barometer. Beyond the Venetian blackamoor, Mr. Herbert's initial appears on a painted column at the right. Hepplewhite chairs are drawn up to the round, pearwood table. Over the sideboard, opposite, with painted end panels repeating the design of the central grille, is an interesting painting from the time of Charles II. The walls are covered with a roller flock paper and the carpet has a fine all-over geometric pattern. Felix Harbord was the decorator.
**Lattice Pavilion in the Hawaiian Gardens of Mr. Robert Allerton**

**On the Island of Kauai, It Painted Dead White, Contrasts with Lush Tropical Greenery Outside.**

**Patio living**

The patio is a happy compromise between indoors and outdoors. Like its Spanish predecessor, it is a more formal place than outdoors, yet its atmosphere is gayer than indoors. As an extension of the house, it should be furnished in the same spirit, but with lighter, sturdier materials. Designers today are producing weather-resistant furniture which has all the graces of the living room. Aluminum, reformed from its tubular past, is molded into classic elegance with attention to detail. The colors, including many introduced by House & Garden, have been made weather-fast for the first time (even light blue is guaranteed not to fade). There is a great selection of tables—square, round, low, expansible—the answer to the lunch, coffee, tea or cocktail hours which you will spend in your new outdoor-living room.

*Opposite*

Interplay of three blues and white against tropic green

Whimsical French Blue Molla aluminum furniture has cushions of bright navy (at Cannell & Chaffin, Los Angeles; W & J Sloane, New York; and The Four Seasons Shop, Memphis). Matouk table linen, a deeper blue, sets off Wedgwood “Traditional” plates and “Bradfield” goblets and Frank Smith’s “Fiddle Thread” sterling. Photographed at the New York Botanical Garden against a background of a cycad, heart-leaved anthurium and tropical lianas of Cissus sicyoides.

Shopping data, page 109, place setting, page 116.
Opposite: Cool iron furniture, romantic color


Graceful aluminum furniture, tropical greens

The long terrace of Mr. and Mrs. George Moody's house on Old Pali Road, above Honolulu, ends in two lanais, furnished like outdoor living rooms with crisp off-white aluminum furniture and a Wei-period Chinese votive altar. Jade-green sailcloth upholstery echoes the greens of azaleas, camellias and jade plants in pots, Kamani trees and tropical verdure in the garden below. At night the terrace is lit by dancing flares from copper torches and reflected in a tranquil garden pool.
New rattan furniture combines a solid look, subtle color

Designed by Paul Laszlo for Ficks Reed, this terrace furniture (in natural and five colors including white) is as comfortable as its indoor counterpart. Cushions can be ordered upholstered in eight decorator colors: papaya, romaine, peacock, chartreuse, coffee, mango, mint, saffron. Available after March 1 at Paine's of Boston; Halle Bros., Cleveland; Marshall Field, Chicago. Shopping data for these two pages will be found on page 109.

Opposite

The indoor-outdoor feeling in gracefully-wrought iron

Subtle color schemes lend distinction to the new Lee Woodard furniture, available at Wanamaker's, Philadelphia; Marshall Field, Chicago; Hammacher Schlemmer, New York. The china is Franciscan "Tiempo" pattern; American handmade glasses and decanter by Blenko; linen by Leacock. In the background, the four palmate plants are varieties of cycad, the upright-growing one is a croton, photographed at the New York Botanical Garden. Place setting, p. 116.
IN A PALM-RIMMED PATIO: BUTTONED CUSHIONS AND A DASH OF PLAID ON FURNITURE BY WOODARD
Laundry is sun-filled, thanks to an Orlyt greenhouse by Lord & Burnham, which can be ordered in different sections, put up by an amateur.
Don't suffer from kitchen bends

Comfort is a matter of height; your own inches are the yardstick in buying this flexible new equipment.

Like the proverbial glove, the work center of the house should be an exact fit for the woman who spends the greater part of her days in it. It must not only reflect her taste, it should actually be scaled to her dimensions if she is going to get maximum efficiency out of her equipment. Manufacturers today are producing such versatile appliances as we show here and on the next four pages. These have either built-in flexibility, such as retractable legs and adjustable seats, or are of the portable type which can be placed above, or at, floor level. Take, for example, the Frigidaire laundry we show opposite. The dryer has been raised on a platform because the woman for whom this particular laundry was planned is tall. To avoid stooping, she uses the ironing board and chair shown at right extended to their full height. For her, the cabinets, with removable shelves, could be raised (for a short woman they would be lowered) to bring her work within the radius of her reach.

Shopping data on pages 110-111

Opposite

A THREE-PURPOSE LAUNDRY tailored to its owner's measure. Because she loves house plants and goes in for herb cookery, an Orlyt greenhouse has been built on. Its slanted roof catches the angle of the winter sun, turns this room into a cold-weather solarium. Floor is paved to withstand plant drip. Raised dryer makes a good stand for portable television set. Dillingham folding chairs, stored in cabinets, add to family's living space.

If you can't buy the right height, build it, as in the appliance lineup above. Dryer has been raised so door is proper height for production-line efficiency. Well-balanced, it runs smoothly on a sturdy base. Four units, Frigidaire.
The food preparation area is a part of, yet distinct from, this three-way room. It forms an "L," one arm of which is high enough to screen out the living area, the other, low enough to facilitate passing dishes to the dining table.

This kitchen is one third of a common room used for living, dining and food preparation. It would suit a family all of whose members like to cook. The decentralized plan, with its different working heights, permits several occupations to go on at once. To be in close touch with the dining area, the sink arm is low. At the left end is a counter-height GE refrigerator for bottles and ice whose top can be used both for making appetizers and drinks. Well out of the host's way, the full-size food storage refrigerator is near the end of the "L," right. The counter-height...

You can sit high or low, depending on the job you're doing.
Cook high or low? There is an ideal height for every job

Chambers gas range takes care of pot-and-pan cooking, has a high griddle and broiler built into the range top. Small-operation baking, stewing, steaming and roasting can be done in the Thermowell, which also holds a lift-out Thermobaker. The Chambers oven-on-oven can be watched without stooping. It allows you to bake and roast simultaneously. Both units cook by retained heat (pre-heat oven, use gas for a short time, cooking is completed with gas turned off). Insulation maintains interior heat, holds cooking temperature, keeps room from heating.

OVEN-ON-OVEN is high enough to be watched without bending. Heavy insulation retains heat, keeps kitchen comfortably cool. COUNTER-HIGH REFRIGERATOR is used for ice cubes, bottles, does not impede traffic to and from food storage refrigerator. TWO-IN-ONE combination has a home freezer in top section, fresh food refrigeration with built-in butter conditioner. DEMOUNTABLE PANELS on the Chambers ranges are made in seven decorator colors, can be exchanged for a nominal fee.
On the left side of this kitchen is its sewing center. This was created by adding a low, cantilevered counter to an antique Swedish cabinet. The portable sewing machine, kept inside this cabinet when not in use, is easy to operate from an adjustable Knoll chair set at sewing height. The peninsula counter is high enough to house the mobile chef's table under it, is a good height for a person sitting in Knoll's Nakashima armchair.

As the two Hardwick high-oven gas ranges provide eight surface burners, two ovens, two broilers, a large family can be catered to in this kitchen. Inspired by the painted cabinet, its design avoids the clinical look, is warm and livable. Even the storage cabinets serve a decorative purpose, their interior illumination, diffused through ground glass panels, forms a band of light which is repeated in the clerestory window above them. Sink, dishwasher, refrigerator and supplementary freezer are around corner.

For floor plan and shopping data, see page 140-111.
High and low counters serve many needs

ADJUSTABLE CHAIR by Knoll fits individual leg length, back angle. END-TO-END RANGES, high ovens, broilers, double cooking space. TWO-RACK DISHWASHER saves lifting and loads plates vertically. MOBILE CHEF'S TABLE brings food, spices, utensils to the cook. PERFORATED SHELVES distribute inside light throughout cabinet. DIRECTED LIGHT under cabinets shines down upon work centers. PORTABLE SEWING MACHINE and case, take minimum space. FREEZER-REFRIGERATOR serves for two kinds of food storage.
This is the seventeenth chapter in House & Garden's series for Young Marrieds

Party-perfect tables

A stock situation at most buffet meals is the one you see above. For lack of a place to set down their plates, the guests are strained and uncomfortable. At the right of the couple is our solution: a small folding table which adds the indispensable element of ease to Young Marrieds' buffet parties. Finished in alcohol-resistant black or forest green lacquer with gold striping, it stands 14 inches high. Its top (15½ by 11½ inches) is large enough to hold a place setting, ash tray and split-size bottle of wine. Stowable when not needed, this little table is inexpensive enough to buy by the half-dozen. The table at the right is HOUSE & GARDEN's solution to the no-less-urgent problem of how to give a cocktail party without confusion: the host dashing from living room to pantry in search of liquor and ice, the hostess carrying clean or used glasses to and fro, the hors d'oeuvres out of sight or out of reach. A replica of the classic hunt table, it assembles all of the elements of hospitality. In its trough are glasses, ice, soda. Cocktail makings are at either end, appetizers between. In other ways the table proves an investment. You can remove the plant trough and use it as a desk. With both wings down, it becomes a console; wings up, it is practical for dining.
MAHOGANY HUNT TABLE on casters (below) has removable copper trough in center, costs $249 at The Dayton Co., Minneapolis; H. Chambers Co., Baltimore. Other hunt tables can be had for under $150 at Wamamaker's and under $200 at Hathaway's, in New York. The "Yo-Yo" pattern cocktail glasses, by Susquehanna Glass Co., cost $7.20 a dozen at Macy's, New York. Silver-plated ice bucket by Friedman Silver Co., $28; sterling trays, $85 ea., Black, Starr & Gorham, New York. Oval and fluted raffia serving baskets, $2.80 ea., Piazza, House of Italian Handicrafts, New York. Martini jug by Viking Glass Co., $3.20 at Wayne Silversmiths, Yonkers, N.Y. All liquor shown in these pictures, courtesy Vendome Liqueur, Inc., New York. Silver prices on these pages include Fed. tax.

Choral compositions by Brahms, Beethoven and Berlioz

COLUMBIA has lately brought out on Long Playing records three large-scale works which should gladden devotees of choral singing: Brahms' *German Requiem*, Berlioz' *Requiem* and Beethoven's Symphony No. 9. Another release contains music of an opposite nature: Handel's *Twelve Concerti Grossi*, just about the most gallant and sprightly chamber music ever composed. The Brahms has been recorded by Herbert Von Karajan, leading the Singverein der Gesellschaft der Musik Freunde in Wien, and the Vienna Philharmonic. It is an excellent performance, including some beautiful solo work by Elizabeth Schwarzkopf, soprano (Set SL-154; $9.70). A comparison of the Brahms with the Berlioz *Requiem* is somewhat unfortunate for the latter, although the Emile Plassani Choir and Orchestra under Ean Fournel seem to do everything that can be done with it. The *German Requiem*, a noble composition at once passionate and tender, is consistently communicative. The Berlioz, while still music worth reckoning with, is better in part than in toto (Set SL-159; $9.70). Beethoven's *Ninth* is played by Bruno Walter and the New York Philharmonic, with Irma Gonzalez, Elena Nikolaidi, Raoul Jobin, Mack Harrell and the Westminster Choir. Mr. Walter is a sound, temperate conductor who can convey the meaning of a piece without driving it to extremes. He does just that in this case (Set SL-156; $9.70).

SNAP, CRACKLE, POP

Handel's *Concerti Grossi* as performed by the Busch Chamber Players are an unmitigated delight. They ripple, they soar, they sparkle with *boshomie*. Wonder succeeds delight when one realizes that the entire set of twelve was composed within one month (Set SL-158; $19.40). Equally satisfying, but on a different level, is Stravinsky's ballet score, *Orpheus*, presented by RCA Victor with the composer leading the RCA Victor Symphony (45 rpm Album WDM-1320; $4.51). One of Stravinsky's most lyric scores of recent date, its chief virtues are its taut, yet expressive melodic line and its special sonority. To return to more standard fare, we recommend Alexander Brailowsky's firm, full-bodied interpretation of the *Concerto No. 1 in E Minor* by Chopin. He is accompanied by the RCA Victor Symphony (RCA Victor Album WDM-1317; $4.51). Turntable Prices include Federal Excise Tax.
How to get the best house for your money

The merit of any house you may plan to build depends considerably on the knowledge you bring to it. To keep you posted on materials, methods, and equipment, House & Garden introduces a new building series. During 1950 we will guide you, step by step, through the rudiments of house building from foundations to finishes, give you basic data on walls, roofs, insulation, windows, doors, painting, heating, lighting, flooring, plumbing, etc. These articles are not intended to transform you into a contractor or builder; but, by enlarging your knowledge of what to look for and ask for, they can help you build a better house. First of all—before we take up construction problems—we give you this primer on planning. It briefly outlines the factors that enter into the design and planning of a house. These principles can be applied to houses of any size or type—they are vital to every good house plan.

Like choosing the best mate in life, building the best house is a highly individual matter. Tastes differ. What pleases one person fails on another. But one rule is basic. All successful houses are designed from the inside out. They are cut to the measure of a family and its way of living, its possessions and preferences. A prospective home builder’s first requirement then is to know what he really wants.

How to choose a neighborhood: Before you decide on your site, investigate the neighborhood surrounding it; the value of any house you build or buy will fluctuate with its rise or fall. Does it have zoning regulations for the area, deed restrictions on individual lots? They safeguard the neighborhood for residential building, prohibit commercial structures (apartments, stores). They also prescribe the type and size of house which may be built, its minimum cost, how far from the street it must be built, the distance between houses. The city engineer’s office should be able to tell you about these regulations. Ask the city assessor about tax rates, too.

The neighborhoods you consider will probably be those with which you are acquainted. Check transportation facilities, the time it takes to go to and from work, food markets and parking, availability of servants. Investigate the schools that your children will attend (this will give you a good idea of the community), churches, police and fire protection, the hazards and congestion of traffic. You can get a good index of the neighborhood, whether it is improving or declining, by the houses and grounds. Are they reasonably new and well maintained? Are they occupied by the owners or by renters?

How to choose a lot: The topography of your lot is a basic factor in deciding how your house will be planned, how it will look. A site sloping uphill or downhill usually requires a house on several levels. A flat site permits a rambling, one-story scheme. Choose the lot first, preferably with your architect’s help. Don’t try to make it fit a preconceived house plan or façade. You may find it expensively unco-operative. Plan the house to fit the lot’s slope and terrain for best results. And hold out for a site where you can place main rooms so they enjoy the most sun, the best outlook and will be screened from the street and neighbors. This generally means a lot on the south side of the street where the front of the

(Continued on page 89)
PRINCIPLES OF GOOD PLANNING

1. PLAN THE SITE WITH THE HOUSE: Plan outdoor areas to complement your rooms. Provide parking space, inviting front entrance; drying yard, garden tool storage, a garden work area near service entrance; terraces for lounging, sun bathing, meals; a shaded, screened porch; flower and vegetable gardens.

2. ORIENT THE HOUSE WELL: Place house (in relation to compass points) to enjoy most sun and breeze, most protection from weather. This can make house warmer in winter (by solar heat), cooler in summer. Use planting for summer sun control.

3. PLAN AN INTERIOR THAT WORKS WELL: Good circulation—all rooms and parts of house in easy reach of each other and outdoors. Keep halls at minimum, avoid having to reach one room through another. Allow ample storage, space for furniture.

4. INCORPORATE LIVABILITY: Get flexible, double-duty use of rooms, a study-bedroom, utility-playroom, etc. Include space for music, sewing, study, children's play, adult entertaining.

5. INSURE PRIVACY: Plan adequate separation of living, sleeping, service parts of house from each other and also screening of outdoor areas, window walls, from street and neighbors.

6. GET GOOD DESIGN AND CONSTRUCTION: Inside and out, the house must have good scale, proportion, texture, show honest use of materials. Make it sound in structure and workmanship.

7. PLAN FOR CLIMATE: Incorporate new design and construction methods, new equipment, to provide for the mildness or severity of your climate, for heat, cold, sun, rain and wind.

8. INCLUDE EASY MAINTENANCE: Structural materials that need little upkeep; automatic, time and labor-saving equipment; new, easily-cleaned surface finishes can provide a carefree house.

9. BUILD HEALTH, COMFORT, SAFETY IN THE HOUSE: Good lighting by day and night, proper heating, plumbing and ventilating, security against fire and accidents are plan essentials.

10. PLAN FOR THE FUTURE: A plan that provides for future changes means less expense if the house has to be altered later.
(continued) A house can face north and principal rooms face a south garden. Each lot poses an individual orientation problem.

Learn from city or county engineer if the lot has, or is accessible to adequate water, sewer and storm drainage, an electric power line, gas and telephone service. If they don’t exist, you’ll have to install them. A lot without these utilities costs much less than an improved one but don’t forget you must add their cost to lot cost. In general, improved land should cost about 20% to 25% what the house costs. For your protection take these precautions in buying land: have a survey made to learn the exact boundary lines of a lot; have a title search to be sure the title is free and clear; be certain back taxes on the property are paid; examine deed restrictions that may limit the type and cost of the house you build. For a moderate fee, a bank will appraise your lot.

**HOW TO PLAN THE HOUSE:** A good house plan is really a chart of the activities, interests and possessions of a family. It should provide adults and children with pleasant, well-organized rooms for rest, for meals, for entertainment, for the countless factors that enter into housekeeping and family living. In general, you will get a more livable house if living and dining rooms, kitchen and laundry, bedrooms and bath are planned as three contiguous parts. They overlap in use, they must be connected with the least amount of waste hall space; each has individual storage requirements. The house plan on the opposite page, designed in this way, shows how good planning can produce a satisfactory result. The summary below describes how plan works.

### How This Plan Works:

This six-room house was designed in order to point out typical planning problems and possibilities in a moderate-size house. It contains 3241 sq. ft., garage 506 sq. ft., all on one floor. As shown, it is planned for a lot 125’ by 200’ on the southwest side of the street. It is intended for a young couple with one child but provides space for an additional child. The cost of building this house could be approximated by multiplying its square footage by the square foot cost of frame construction in your community. SITE PLAN: Parking lot for four cars. Two-car garage gives easy access, a short driveway to build and maintain. Service Yard has drying court, work area with tool storage and potting sheds, vegetable garden, cold frame; it adjoins kitchen but is well separated from outdoor living areas. Service Entrance is easily accessible but well screened. Front Entrance has attractive approach, is shielded by roof overhang. Terrace for front rooms is screened from street and neighbor. It gets morning sun, is protected from hot summer sun on south and west by shadow of house and trees. Patio for master bedroom extends room outdoors, enclosing hedge gives it privacy. Trees on south and west give shade from summer sun. Main Terrace, adjoining living room, dining room, pantry, doubles living space of house; includes outdoor fireplace (with storage), corner for outdoor meals shielded by trellis. Trees on south and west screen it from sun and neighbors in summer; house protects it on north allowing outdoor living in spring and fall in corner sun coves. FLOOR PLAN: Entrance Hall uses little space (note small hall area in whole house) but gives privacy to living room. Heater room (house has no basement), powder room and kitchen adjoin entrance directly. Tile floor needs little maintenance, takes hard usage. Living Room has through ventilation from windows along two long sides. South side window wall is shielded in summer by roof overhang, admits solar heat in winter. Tile floor along front wall connects hall with bedroom wing, keeps traffic out of living room without partition. Dining Room can be part of living room or closed off. Gabled south window is protected by overhang; plant beds are on either side of window. Pantry is buffer between kitchen and dining room; includes extra storage, flower sink, corner for breakfast or quick meals. Kitchen and Laundry form one large room divided by peninsula counter. Maid’s Room and Bath are separated from rest of house. Garage for two cars includes storage. Study-Guest Room gives quiet corner, extra bedroom. Bedroom Wing is secluded, has storage walls between rooms. Front Bedroom and Study could become large room for two children by removing storage wall; by restoring wall it could be two rooms when children grow up. Master Bedroom has storage-dressing room and terrace. Baths have economical back-to-back plumbing fixtures.
The vegetable

TOPCROP BUSH SNAPBEAN merited a Gold Medal award from All-America Selections.

CHINESE CABBAGE, above, planted between gladiolus, which are supported with twine and stakes.

LATE CABBAGE, below, in three rows, where two rows of snap beans have already been harvested.

UCONN SQUASH, above, another All-America gold medal winner, resulted from crossing Acorn with Early Prolific Straightneck. It has the shape, skin and flavor of the former, the bush form, earliness and productivity of the latter.

TOMATOES, above, grown on stakes, require less room than when allowed to sprawl. Tying, with tapes, is done weekly, pruning as necessary, until plants reach the tops of the stakes. Fruit is cleaner, healthier, bigger.
you grow always tastes better

If you follow the simple directions set forth by this writer, who has managed a large vegetable garden for many years,

you can grow your own vegetables with ease

by PAUL R. YOUNG

Vegetables are easy to grow. A few of them present difficulties but even a beginner can have a well-rounded garden which is easy to raise and fun, too. The satisfaction of bringing a basket full of vegetables into the kitchen at noon and eating them within the hour is hard to equal. Flowers are fine; I grow them and enjoy them. But when it comes to a choice, I find myself in the vegetable garden. That is where I get the most for my time, work and money.

Success with vegetables, as in all gardening, requires attention to several basic factors: first, the soil must be right; second, you must have a clear plan of what you want to raise and where; third, you will need a calendar of when to plant; and finally, good tools and "know-how" are essential.

The ideal soil for your vegetable garden is a deep, well-drained, sandy or gravelly loam, rich in organic matter or humus. Commercial vegetable gardeners have to have this kind of soil, home gardeners must grow their vegetables in the soil they happen to have. Your problem is to make your soil as nearly ideal as possible. The better it is, the greater your chance of success. But good vegetables may be grown in soil which is far from perfect.

Organic matter (in the form of manure, peat moss, peat humus or homemade compost and green manure crops turned under) is a universal means of improving soil. If your soil is hard, lumpy clay, slow to dry out in the spring, liberal additions of organic matter will mellow it and improve its drainage surprisingly. If dry, blowy sand is your problem, liberal amounts of organic matter will hold it together and give it the water-retaining character it must have to produce vegetables (or any plants) successfully. Three to six cubic yards of the bulk organic materials enumerated, or the same number of bales of peat moss per 1000 square feet of soil, will be none too much for the average soil. Figure also on using about four pounds per 100 square feet of one of the complete "plant foods" (as many commercial fertilizers are now called). I like to use three pounds at planting time and save the fourth for side dressing along the rows or around individual plants when the crops near maturity.

If garden beets have done well in your garden, you can safely assume that the soil doesn't need lime. If your beets are poor, it is a sign that you had better have your soil tested for acidity and use lime as the results indicate.

If you dig deep by hand or till deep with power tools, you can provide the proper depth of worked soil. A loose, permeable soil, nine to 12 inches deep, is especially important in growing good root crops and contributes to the good growth of all vegetables as well as to other plants.

From all this, the alert gardener will realize that a crucial part of his gardening program is laying in supplies well in advance. Another form of planning, which is even more important, is plotting his garden, as shown in the drawing on the next page. Like the plan of a house, this shows the layout of the ground, down to the last inch. In addition, it indicates when to plant each vegetable. The time schedule is just as important as the plot plan in achieving a successful garden. Using it, you can buy seeds intelligently and plant them effectively from the very beginning of the season. You can use it to plan companion and succession plantings of vegetables so that they will use all your space, all through the season. After you have had a little experience, you will find that it is a challenging and fascinating wintertime project to allocate your garden so it will produce to the hilt next summer. To a considerable degree, the ease and success of your vegetable gardening depend on such strategy. (Continued on page 97)

For a detailed vegetable garden plan, turn to the next page.
### Vegetable plan for plot 25 by 40 feet

<table>
<thead>
<tr>
<th>0'</th>
<th>5'</th>
<th>10'</th>
<th>15'</th>
<th>20'</th>
<th>25'</th>
<th>Inches</th>
</tr>
</thead>
</table>
| ![Vegetable Plan Diagram](chart)

**Sweet Corn—May 20**
- 6 Hills Squash—May 20

**Head Lettuce Plants—May 25**
- Leaf Lettuce—April 25
- Kohlrabi—April 25
- Spinach—April 20
- Spinach—May 1
- Spinach—May 10
- 10 Early Cabbage—April 25
- Chard—May 10
- Parsnips—May 10
- Parsley—May 10

**Peas—April 25**
- [16 Late Cabbage Plants—July 1]
- [16 Late Broccoli Plants—July 1]
- [Lettuce—Aug. 15]
- [Chinese Cabbage—July 15]

**Onions, Seeds or Sets—April 25**
- Beets—May 1
- Carrots—May 1
- Long Season Beets—May 10
- Onion Sets—April 25
- Radishes—April 25

**Peas—April 25**
- [Endive—July 15]
- [Turnips—Aug. 1]

**Carrots—May 1**
- [Carrots—June 15]

**Beets—May 1**
- [Carrots—June 15]

---

**ALL dates on this plan are approximate for the New York City and Cleveland, Ohio, area; they may vary by a week or two either way, depending on your location and average frost dates. Sweet corn is planted in rows 30" apart, the seed sewn 3"-5" apart. When the plants are 8"-10" tall, thin out the poorer ones, leaving the best 8"-10" apart. Broken lines indicate early interplantings of lettuce, kohlrabi and spinach; they will be harvested when tomatoes and other plants need more room.**

**Set peppers 2' apart in the row after all danger of frost is past; eggplants will need 3' between the plants. Plant lima beans 4"-6" apart in the rows and thin them to stand 8"-10" apart to obtain the best yield. Dust them weekly with a standard rotenone dust to keep off Mexican bean beetles. Set cabbage plants 2' apart in the row, except for Chinese cabbage which may be seeded where it is to grow and the plants thinned to stand 12" apart in the row. Cauliflower requires 24"-30" between the plants, as does broccoli. Dust all members of the cabbage family weekly with rotenone to prevent formation of worms.**
In all this world, no other plant like it!

New Colors of Wondrous Beauty!

A panorama of color August till heavy frost... three months of blooming magic. Fast-growing, easy to grow... winter-hardy. 600 large, gorgeous blooms per plant the first year, double that number the second year. Exciting new colors now ready! Sweetheart, a glowing pink; Christmas White, a large pure white variety; Summer Sunset in variegated hues of orchid, orange, yellow, apricot; Papoose, rich wine red; Nugget, bright glittering yellow; Honey Chile, deep pink; Princess in lovely opalescent blending of rare shades; Pink Dream, dainty Fairyland pink; Snow White, white and graceful as Christmas snowflakes; and others.

One-in-a-Thousand Varieties

Thousands of rare, new varieties developed yearly, but only a carefully chosen few meet Kellogg's exacting standards of beauty, health and vigor. You get only the top best. Actually well over a thousand varieties are discarded for every one retained, for your pleasure. Each plant shipped is fully guaranteed.

Garden Treasures in Fruit, Too

New Skinless Grape

California Type

Sweet, tender, delicious. A juicy munch. Eat the whole grape... no skins to bother with. Have fresh from vine for family table, pies, preserves. Grow for profit... a money-maker... customers report well-filled bunches, large yield. Hardy grower in north.

New Kind of Garden Book!

Kellogg's Famous Flowers and How to Grow Them is no mere catalog, but contains up-to-date information on What and How to plant. Shows you how you can have bigger, better, more beautiful flowers... a prize-winning garden. Brilliant color pictures of new flowers... clear, how-to-do drawings to assure your success in world's most inspiring hobby—one the whole family can enjoy. Of this valuable book, one customer says, "The cultural instructions are plain, and all information is clear." Another writes, "The diagrams are particularly good. I find myself reading them all." Send for your free copy now.

LETTERS OF PRAISE FROM EVERY STATE

They say of Kellogg's "Famous Flowers" book: "The best yet. I'm going to replant my whole garden according to your cultural directions." "Your catalog contains more information than any of the others." "Sent your catalog to a few neighbors. Will you please send them copies, as the 'How To Grow' section is wonderful." Others write, "It's most helpful and inspiring." "The cultural instructions are a refresher course to a good many old-time gardeners." "After looking at a lot of catalogues (all the same) yours was a revelation." (Names on request)

Kellogg specialties include new Touslehead Mums, new bright red Astilbe, Tuberous Begonias, Azaleas, Gardenias, everblooming Carnations, Double Russian Violets, Gladioli, Roses and others.

Free! 600 Enchanting Blooms 1st Year—Over 1,000 2nd Year

Imagine this exquisite bushel-size plant in your garden, with lovely flowers, each 2" across, and larger. Described in "Kellogg's Famous Flowers" book along with other exciting novelties.
If you want better flowers . . . better colors . . . better vitality, and better vegetables . . . better flavor . . . better yield, you can plant Ferry’s Seeds with complete confidence.

Ferry-Morse is one of the few great seed companies of the world—recognized for its many achievements in hybridization and important contributions to the floral and vegetable world. Its vast seed farms are virtually seed laboratories from which have come a long procession of more satisfying flowers and vegetables.

Typical of these is the now world-famous Cuthbertson Sweet Pea. In areas where other Sweet Peas simply will not do well, the Cuthbertson strain exhibits remarkable heat resistance, vigorous vine growth, and an abundance of large fragrant blossoms on extra long stems.

If you have had “bad luck” with Sweet Peas in the past, you’ll get a genuine thrill out of Ferry’s Cuthbertson strain. Ask for the originator’s strain. Your Ferry dealer has them—as part of Ferry’s complete assortment of flowers and vegetables, all produced with the same scientific, painstaking care that gave the Cuthbertson strain. Ask for the originator’s strain. Your Ferry dealer has them—as part of Ferry’s complete assortment of flowers and vegetables, all produced with the same scientific, painstaking care that gave the Cuthbertson strain.

Cuthbertson Sweet Peas—International Winner of Gold and Silver Medals.

An original development by Ferry-Morse Vice-President, Frank G. Cuthbertson

The seedsmen’s books usually arrive first, often early in January. Before you order, make your detailed plans as suggested in this issue. From your plan make a list of what you want, fill out your order slip immediately and send it off with money order or check to the firm. Early orders always get first attention and in the case of new introductions, where the quantity of seeds or plants may be limited, such promptness is especially important.

Catalogs are generally divided into sections which help you locate material easily. Seedsmen, as well as dealers in specialties, usually put their newest developments and introductions in the front of the book. Here you will find the All-America winners, the latest importations from abroad, the latest developments of the individual firm itself as well as those from other growers and hybridizers. Following will be the best of the novelties of the last few years.

In seed catalogs your next section is usually devoted to the annuals, arranged in alphabetical order by their best known names, common or scientific. In the case of a house specializing in perennials, they may come first, but usually they follow the annuals.

Annuals are often grouped by their different sizes, or particular type developments, such as dwarf marigolds, French marigolds, African marigolds, scentless marigolds and so forth. Study all kinds as to height, color and form before making your final choices.

With most seedsmen, vegetables are generally next in importance and take up a good portion of the book. Here you will find not only good cultural directions but also the amount of seed needed for certain length rows—another reason it is important to make your plan first so that you will know just what quantity you will need and will order enough but not too much.

Do not overlook the end of the catalog. Here you will find the important insecticides, disease preventatives, tools and equipment.

When the active growing season is past, you may think you have no further use for the catalog, but do not throw it away. Your catalog, which is an inspiration in January, can become a working manual during the garden season. At planting time you will get it thoroughly smudged, but continue to thumb it for information and check your results against it as you go through the summer. It will form the basis for an excellent record. A flexible card file is more convenient than a notebook, but either will do. Stiff 5” x 7” cards are a good size. On the front write scientific and common names, your own cultural notes and on the back paste the best illustrations of each particular subject. By binding one edge of the illustration and pasting only that, many other pictures of newer varieties from later catalogs and gardening magazines can be added from time to time.

Hear “The Old Dirt Dobber” on “THE GARDEN GATE”—Saturday—CBS.
Flower of Personal Elegance

Propriety, distinction, personal refinement are characteristics not easily won. Yet such things as queenly carnations—used either extravagantly or simply—impart an air of elegance to your favorite room...your most formal gown.

Genuine Colorado Carnations
COLORADO STATE FLOWER GROWERS ASSOCIATION
Germain's again sets the fashion with

The Top Winners

ALL AMERICA HYBRID TEA ROSE SELECTIONS for 1950

Capistrano

The outstanding All America Rose Winner of a decade in vigor of growth and beauty of color. Beautiful long tapered buds of bright cherry-red open to immense long lasting perfect blooms of clear sparkling rose-pink. One of the most fragrant of roses, Capistrano produces large quantities of gorgeous blooms all season long and will truly be the treasure of your rose garden.

Mission Bells

Mission Bells, like Capistrano, excel in vigor of growth and abundance of lovely, huge blooms that often measure 5 to 6 inches across. Pointed, well formed buds of salmon pink slowly open to high centered, clear shrimp-pink flowers with tantalizing fragrance. A very prodigious bloomer, Mission Bells produces an abundance of large perfect flowers all season long.

Also Winners of Highest Awards

At International Rose Test Gardens, Portland, Oregon.

Rosedom's highest distinction, the coveted ALL AMERICA AWARD, has been won by Germain's "Capistrano" and "Mission Bells" Hybrid Tea Roses after two years of rigid official field tests throughout the U. S., under all types of climatic and growing conditions.

FREE!

AMERICA'S MOST BEAUTIFUL AND COMPLETE ROSE BOOK and GARDEN CATALOG

5 Big Sections

Every page in natural color

ROSES - America's most brilliant Rose Displays, including scores of the world's finest Roses in full color.

FLOWER SEEDS - All your favorites plus our hybridizing's latest creations to fill your garden and home with newer, gorgeous blooms.

SULS - Exhibition varieties in a riot of colors - prize-winning novelties.

PERENNIAL PLANTS - To delight you year after year with their breathtaking panoramas of magnificent color.

ORCHIDS, BIRD OF PARADISE - and many other rare and exotic plants that add new charm, form and color. Every section replete with new Rosarians

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Los Angeles 21, Calif.
Send me FREE Copy of America’s Finest Rose Book and Garden Catalog in full natural color.

Name
Address

Capistrano and Mission Bells are offered by all leading Rosarians.
VEGETABLES continued from page 91

Obviously, the time schedule for your garden will be influenced by the length of the growing season where you live. The schedule suggested in the plan on page 92 applies to average conditions in the latitude of New York, New Jersey, Ohio, and somewhat further south into the Midwest. If you have ideal soil, of the kind described above, you can start earlier than if your garden is heavy clay, sometimes by as much as three weeks right in the same community. Southern slopes warm sooner and are ready for planting earlier than northern exposures. Variations in weather from year to year will also change the planting schedule for a particular garden. If you want to grow vegetables successfully and easily, don’t violate nature’s time schedule.

Books are written on the “how” of vegetable gardening but common sense and a little experience will help almost anyone to learn the rudiments and do a good job. If you are a beginner, you might rely on the experience of friends who have had success with their gardens, until you amass a backlog of your own “know-how.”

Here are some fundamental suggestions: keep ahead of the weeds by constant cultivation of bare soil as well as between all planted rows. Use summer cover crops of sweet peas, grass, corn cobs, grass clippings, etc. Cover small seeds with sand or peat instead of soil when planting in clay soil that might crust over and prevent them from germinating. Stake and prune tomato plants for best results in the small garden. Dust or spray regularly (once a week) to hold pests in check and to ward off insects that may be making damage. Sow a late-season cover crop of rye to check weeds, protect the soil from erosion and provide organic matter for next year.

Here are a dozen vegetables which have the twin virtues of being generally in demand and easy to grow. Thousands of elementary school children with whom I work grow them every year. Varieties are a matter of personal preference, these are mine: green snap beans (Long Tendergreen and Logan), beets (the early Crosby’s Egyptian and the late Long Season), cabbages (the early Golden Acre and the late All Seasons), carrots (Nantes and Tender-sweet), corn (Sim-Up, the early North Star, Golden Cross and the late loona), lettuce (Sloboit for leaf, Mignonette for head), onion sets (the white Silver Queen), peppers (the sweet Penn Wonder), radishes (Early Scarlet Globe and Icicle), squash (the summer Caserta and the winter Buttermutt), Swiss chard (Lacin­illus), tomatoes (the red varieties, Longred, Stokedes, Rutgers, Marg­erole and the orange Jubilee). Additional crops that, if properly timed, are about as easy to grow as the dozen above are: lima beans, broccoli, endive, kohlrabi, parsnips, parsley, peas, pumpkins and spinach.

The importance of timing your planting schedule lies in the fact that different vegetables do best under different growing conditions. You must plant the ones that demand cool weather early enough so they can make their major growth before summer arrives. Or plant them after the heat is past, so they can grow in the fall. Broccoli, endive, lettuce, onions, peas and radishes are in this group. They include beets, cabbage, carrots, kohlrabi, parsnips, parsley and Swiss chard.

If you are a backslidden wartime gardener, dig out your tools and dig up your garden this spring. Vegetable gardening is just as easy and a lot of fun.

January, 1950

TREES continued from page 42

GLAMOROUS NEW ROSES FOR 1950

SUTTER’S GOLD

BARB RUTH—A real champion. Vigorous, robust plants produce an unbelievable quantity of heavy substance, large salmon buds that open into huge, velvety, rose-pink flowers. Attractive foliage and long sturdy stems add to the intrinsic value of this flawless new tea rose.

1950 “All-America Rose Selections”


SUTTER’S GOLD—Yellow hybrid tea rose of spectacular beauty. Long, pointed buds shaded in warm orange and red. Incredibly fragrant flowers have silken petals of radiant yellow with copper veins, fringed, sturdy grower blooming magnificently all season. Perfect variety for cutting.

GLAMOROUS NEW SHRUBS

KNAPHILL SCARLET

CYNODIAS

SPIFFY—This superb new early flowering shrub of excellent habit is magnificent for hedges, in shrub plantings where space is limited, since the plants are only 2 feet across. Grows up to a height of 7 feet. May be kept at 4 feet by merely topping, side pruning unnecessary. Huge deep crimson flowers cover large bushy plants from early summer till frost. Very hardy.

CYNODIAS

GOld

KNAPHILL SCARLET—Exciting new introduction, originated in England. This exquisitely lovely flowering quince is a choice, low growing plant of remarkable vigor. Early in the spring, its mound of delightful blooms bring sparkling color and enchanting fragrance to your garden.

KNAPHILL SCARLET—One of the finest pink hybrid teas ever introduced. Emergent plants bear huge, heavy scented flowers on extra long, stiff stems. Capriccio’s rich color glowing ornamental stems in brilliancy without fading. Unusually hardy and resistant to disease.

FASHION—Fascinating new floribunda of coral pink overlaid with gold. Rich, original red buds open into 3½” blooms of clear coral that later deepen to rich red. Bushy 3 feet plants have large clusters of delicate, fragrant flowers from early summer till frost. Very hardy.

WAYSIDE & GARDENS

NEW FLOWERS come from WAYSIDE GARDENS

Wayside Gardens

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Send for the World’s Finest Horticultural Book-Catalog

Almost 200 pages; with hundreds of rare, unusual, choice, hard-to-find plants as well as the finest available new plants. Complete cultural instructions for each entry. To be sure your order gets to you, it is necessary that you enclose with your request 30c, coin or stamps, to cover postage and handling costs.

Wayside Gardens
The beautiful new 1950 Totty's catalog! Send for your copy today. Use coupon below.

OTHER ALL AMERICA AWARDS:
SUTTER'S GOLD (P.p.)—Sapling yellow bud tipped orange and red.
CAPTIVARIAS (P.p.)—Upright growth bearing rich rose-pink blooms on long drooping stems.
MISSION BELLS (P.p.)—Salmon to shrimp-pink, exceptionally large blooms.
All hardy Hybrid Teas—all perfect for cutting, $2.50 each, $25 per dozen.

Here, now, from Totty's superior stock is the exciting new Floribunda—"Fashion." Glowing coral-pink with overtones of richest gold. "Fashion" is breathtaking in its warmth and delicacy of color. Profuse display, knee-high with excellent dark green foliage from June till frost. Vigorous and extremely hardy, this 1950 All America Award winner needs no pampering, creates quick excitement for any garden.

"Fashion" is sweeping the land, so play safe, order now.

$2.00 each. $20 per dozen

The Wonders of 1950

ROSE of Fashion

Overtones of a $9.00 each. Large, rich, showy blooms on strong, healthy plants. Sow even over the ground. Best 11" pot and larger. Satisfaction Guaranteed. Established 1884.

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Donnell, N.Y.

NURSERY CATALOG


Burpee Giant Snapdragons
10c 3 Packets
FREE

W. Atlee Burpee Co.
P.O. Box 12
Chatsworth, California

CACTUS

SUNNROSE—a new beauty in the garden. A member of the Sempervivum clan, its distinctive looks are a striking addition to the garden. Available in single and double forms. 10c each, 25c per dozen.

Roses

Many rare and unusual kinds from America, Europe and Asia. A great variety. 15c each, 25c per dozen.

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FREE

EMILSON'S BOX STEVENSVILLE MICHIGAN

GLADIUS CATALOG

NEW WORLD FAMOUS GLADIUS IN COLOR

An entirely new catalog showing how easy it is to grow beautiful gladiolus blooms, from the tiniest flower to the most massive, all hardy kinds. 50c each, 25c per dozen.

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KINDER'S GLADIOLUS FARM P.O. Box 4960

KINDER'S GLADIOLUS FARM

New 1950 catalog shows you how easy it is to grow beautiful gladiolus blooms, from the tiniest flower to the most massive, all hardy kinds.

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Nut for Small Spaces

New Tubers Best for Small Spaces
during 1950. Many outstanding kinds. Choice, 25c each; 10 for $1.00; 25 for $2.00. Shipped postpaid.

NUTS

TOTTY'S RATES

Please send me the NEW 1950 Illustrated Catalog. I enclose 25c which will be deducted from my first order.

Name

Address

"Fashion"
Plant Patent No. 729
the WONDER
ROSE of 1950

Continued from page 97
ROSES

continued from page 47

and pinks to red. Each bud and flower goes through various color stages, a novel effect if you like the unusual in roses.

Tuck into a little corner of your rock garden the tiny rose-pink to cameo-pink miniature, no-keep, a charming note for the breakfast tray or buttonhole and, as with all miniature roses, perfectly hardy.

Motorizing through England in 1947, we came upon an afternoon upon a field of scarlet and crimson roses, arresting in their brilliance, outstanding in form. As least for varieties, all prize winners at the English shows, were tested in this country but dropped under our hot summer sun. One, however, the velvety, rich crimson hybrid tea, La Hardness, holds its color well and is worth planting for its strong tea fragrance.

At the Bagatelle trials, my friend, Francis Meilland, the great French rose hybridizer, gave me a charming Parisian that made entirely of peace roses (his own development) in that magnificent ever-changing yellow and cream that every American rose gardener wants to grow. Now comes Climbing Peace, with flowers of equal size and interest, though its hardiness is to be tested further. So far, it is recommend for other climbing hybrid tea.

Plant it for its magnificent blooms, but protect it well.

The exquisite coral-pink climber, Aloha, welcomed me to the Newark Rose Festival last June. Its magnificent 3" flowers, on long-stemmed clusters, excellent for cutting, present a wealth and variety of bloom not only in June but frequently throughout the summer. Because of its abundant dark green glossy foliage, use it for background planting, or as a striking individual specimen on a proper support.

A new rose-red climber, Temptation, carries full-petalled blooms on both single stems and clusters of stems. Once established, and well grown for a year or two, this hardy and extremely disease-resistant climber will bloom again, bringing forth new flowers during the growing season.

Fragrant Beauty is a new, over-blooming carmine-red shrub rose that is very hardy. The bush quickly reaches 4' to 5' and will bear its full, large-petalled flowers, with warm red tones to rival those in hybrid teas, from June into or through October.

The future of roses can be predicted to some extent after you have visited most of the test fields in this country and Europe. When Francis Meilland told me in Paris in 1947 he had named his newest red rose for his friend and fellow rosarian, Charles Meilland, I knew it must be outstanding and was not surprised when it was named "Most Beautiful Rose of France" that year. In the summer of 1949 it con­ sistently won the finest red rose at all the English shows. Its first year's performance in American test gardens has been good. Next year's tests will determine its future in this country. Many other fine roses are under trial in the test gardens of the United States as well as in foreign countries.

THE FIRST ROSE EVER TO WIN BOTH ALL-AMERICA AND BAGATELLE AWARDS

What a high-light for your 1950 rose garden! Just picture an abundance of long-pointed, yellow buds strikingly shaded with orange and red—watch them open into exquisite golden flowers with a rich fragrance unequalled in any other yellow rose. This great new Armstrong International Award Winner is vigorous in all areas—always with long sturdy stems and plenty of prize-winning blooms. $2.50 each...3 for $6.30

Applause

INTERNATIONAL BAGATELLE GOLD MEDAL WINNER

One of the very few American roses to have won top honors at the famous Bagatelle Rose Trials in Paris, France. The big buds are a dazzling light red softening in tone as the many petaled flower opens. The vigor of the plant and its profusion of bloom will please any rose grower while the keeping qualities of the flowers will delight the cut-flower enthusiast.

Each $2.00...3 for $5.10

Taffeta

1948 ALL-AMERICA WINNER

You can expect dozens of charmingly "different" roses from day to day with Taffeta in your garden. Each change in the weather will bring new shades and tones of peach, apricot, coral, and salmon, all with a dash of gold.

Each $1.50...3 for $3.75

Armstrong California-grown roses are thoroughly gardon-tested in every section of the country. Guaranteed to grow and bloom. The world's finest roses from the world's leading creator of All-America Winners.
Vivid Color in Cool Shade

**TUBEROUS BEGONIAS**

Flowerfield's superior tubers will produce gorgeous wax-like flowers of extraordinary size and vivid color. In bloom outdoors from July until the Summer's end these Tuberous Begonias will add fresh color where color is so hard to obtain...in shade. These extra large, highest quality tubers will produce flowers 8 inches across. They may be grown individually in pots, or in beds or borders.

Double Camellia-Flowered Begonias (as illustrated). These magnificent flowers rival the greenhouse grown camellias in size and beauty. Splendid for corsages. Separate colors of Red, White, Yellow and Pink.

Carnation-Flowered (Tubiflora Plena). Full double with deeply fringed and laciniated petals. Looks like a huge carnation. Good for bouquets. Red, White, Yellow or Pink.

Crpa Begonias. Single types with edges deeply frilled and ruffled. Huge flowers in pure colors of Red, White, Yellow or Pink.

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Collection of Varied Types
A special assortment of colors and types from our best quality stock. 12 tubers for $2.25.

**NEW FACES**

continued from page 44

The Scottish National Sweet Pea Society gave a First Class Certificate to **SHERWOOD**, which bears long-stemmed, large flowers of a soft salmon-fawn shade on a cream ground, slightly tinted a delft rose. **WILLIAM** is a new variety with the usual Catharterson vigor and extra long stems, is a pink picotee on white ground, attractive in cut flower arrangements. **JIMMY** is deep, vivid scarlet, brilliant and fragrant.

In perennials, outdoor chrysanthemums and hardy pinks are taking the lead for 1950. **TOUSLEHEAD** is the chrysanthemum which is causing the greatest excitement among the growers. This is a lavender-pink, flowered type of hardy chrysanthemum which has resulted from a cross between beautiful bithouse varieties (which give it form) and the hardy, outdoor kinds (which give it hardiness and early blooming qualities). The flowers are large, as much as 4" and 5" across without disbudding, larger after disbudding. Individual flowers range in tone from pure light pink in some to a lavender-orchid in others. The foliage is a deep, glossy green and the leaves are broader than the average outdoor type. Plant Touslehead in any mild, well-drained soil, but give it some protection after the ground freezes.

**BRIGHT CACTUS** is another cactus type, fully double, hardy chrysanthemum which has sharply pointed petals of a clean, unfading Indian copper bronze with subtle salmon shadings which help to give it an iridescent sheen. The blooms start coming in September and grow 2'2" plants, continue until frost and are good for cutting.

Two new chrysanthemums of the so-called azalea type—those which form large, full-bodied, bush-like plants—are now ready for the gardener. **WHITE CHRISTMAS** starts blooming early (late July or early August) and reaches its peak in mid-September, continuing until heavy frost hits it. The individual flowers are larger than those of snow white and the plant will reach 18" to 24" across the first season, getting bigger during the second season. SWEETHEART is a husky type of hardy chrysanthemum with profuse blooms, of a good rosy-pink suffused with deeper wine rose towards the center of the flower, an excellent group for color with outdoor fall tones in these years. You might try it with the completely distinct and different colored chrysanthemum asters or roses, which has flowers of a rich old rose and reticulated rose tones suffused with soft salmon-arizona overtones, giving a rare, iridescent effect to the double 3" blooms which cover the 2'2" plants from September until frost. Two new lavender-flowered chrysanthemums are **PRINCESS**, showing the pin cushion, anemone-flowered center, the surrounding petals being the bronze-orange tone so much desired in October; and **LAVENDER BELLE**, a deep, brilliant rosy-lavender. Both bloom late, resist frost.

Gray foliage plants are important for the deeper greens of the perennial border. This year there are four new hardy pinks, or dianthus, two of

(Continued on page 101)
**INDOOR**

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SOIL continued from page 52

good growing conditions for plants by following certain practices.

The ideal way to prepare soil for your garden is to start at least one year before you plan to plant your garden. The pre-planting preparation, in regions of plentiful rainfall and for all but acid-loving plants, involves adding ground limestone, spading, liming again and applying a commercial plant food. This is followed by sowing a cover crop, such as rye grass in the fall or oats or buckwheat in the spring, and then sowing a legume (member of the pea family, such as clover or alfalfa) in the cover crop. The whole mass of this so-called "green manure" is then turned under, well worked, allowed to settle, and the garden finally planted.

Although this involved procedure is the ideal one, few gardeners have the time or patience to carry it out. Most people prefer to prepare the soil in early spring and plant the garden immediately. Before taking this short cut to gardening, however, you would be wise to consider certain important fundamental facts.

Although hidden from view, the root system is perhaps the most important part of the plant. Good root development and vigorous top growth of most garden plants occur only in deep, well-drained soils that are well provided with lime and with essential plant food materials.

Every gardener knows that a house plant will not thrive if potted in a certain-tainer that has no drainage at the bottom. Similarly no garden plant, with the possible exception of water and bog plants, will do well when planted in soil where drainage is poor or lacking and where water remains around the roots for days on end. The excessive moisture drives out air from the vicinity of the roots.

Roots of plants can no more function properly without air than can a human being without oxygen. Plants with shallow roots—a result of poor drainage of water and air—will succumb quickly during periods of drought or will freeze more readily during cold spells.

Where such a situation exists, and it may occur even on sloping ground, the gardener will be well repaid by placing agricultural drainage tiles 2' to 2½" below ground to draw off the excess water. The rapid removal of water from the root zone brings air into the soil, warms it and restores normal root-growing conditions.

Many gardeners have difficulty in determining whether a soil is well drained or not. One method is to after wetting the soil and allowing it to dry, the water that drains through will be a measure of the drainage of the soil. Soils that hold water for a week or more are considered to be poorly drained. Plants that require well-drained soils should not be grown in such soils.

There are several methods of testing for soil drainage:

1. The "hot wire" method: A 12-volt battery is connected in series to a small motor and a wire is connected to the negative terminal of the battery. The wire is then inserted into the soil to the depth of the plant root. If the motor runs, the soil is well drained. If it does not run, the soil is poorly drained.

2. The "wet soil" method: A small sample of soil is placed in a pan and allowed to dry. If the soil is well drained, it will break up into small particles. If it is poorly drained, it will form a hard mass.

3. The "dye" method: A small amount of dye is added to the soil. If the soil is well drained, the dye will disappear quickly. If it is poorly drained, the dye will remain in the soil for a longer period.

These tests are only approximate and should not be taken as the sole method of determining soil drainage. A more accurate test is to place small drainage tiles 2" deep in the soil and observe the water level in the tiles. If the water level remains at a high level, the soil is poorly drained.

First, dig a deep hole at some out-of-the-way place in the garden so as to expose several feet of the soil profile. If the soil is brown, yellow or red, sufficient air is reaching these areas. Green, (Continued on page 103)
SOIL
continued from page 102

gray or mottled soil indicates that water and air are being held in one place too long and that root growth will not be satisfactory.

A second way to determine whether the drainage is satisfactory is to dig a hole 2' to 3' deep and judge the edge with an evaporation soil to prevent surface water from running in. Then put a water-tight cover on the hole. From time to time after heavy rains, take a look inside. Where drainage is satisfactory, there will be no water; where the drainage is poor, the hole will be filled or partly filled with water.

Where the drainage problem is not too severe, you can improve conditions considerably by incorporating organic matter, pulverized limestone and commercial plant food deeply into the soil. Well-rotted stable manure, compost, peat and humus will improve the structure and increase air penetration in a heavy soil. In addition, they will increase the water-holding capacity, so important in dry summers like that in the Northeast in 1949.

Well-rotted cow- or horse-mature or well-composted leaves can be added at the rate of 200 pounds for each 100 square feet of garden area. Woodland plants such as rhododendrons and azaleas can take twice this amount of well-rotted leaves. If the manure is not well rotted, use only 100 pounds.

Peat moss is perhaps the easiest, cleanest and most readily bought humus-making material to use. In liberal amounts, correctly applied, it produces the kind of soil even gardener desires and hopes to attain.

Besides improving aeration, organic manures put new life into an old soil. When such plant and animal residues are added, they give rise to an extensive microbiological population which in itself exerts an influence on plant growth. Some of these organisms, according to Dr. Selman A. Waksman of Rutgers University, are able to destroy fungi and bacteria that cause animal and plant diseases. Others liberate nutrients and make them more available for plant growth.

Moreover, organic matter provides a uniform and steady supply of nitrogen to plants. When the plants are growing slowly in the spring, it decomposes slowly. As the days warm up and plant growth increases, the organic matter decomposes more rapidly and thus supplies more nitrogen. Under ordinary conditions, then, you cannot apply too much organic matter to soils that are heavy or conversely to those that are sandy.

No mineral substance improves the average soil more than lime. It should be used regularly in regions of plentiful rain for all except acid-loving plants, such as rhododendrons, laurel and azaleas, and except where the soil is naturally alkaline. (Continued on page 104)
Lime not only sweetens the soil, and thus frees many nutrients otherwise
wasted, but also provides
the micro-nutrients calcium and magnesium. In some soils, the physical condition
will be improved by its use.

For lime-loving plants, which
include the great majority grown in
garden, the soil should be limed so
that it is nearly alkaline, or to a soil reaction
e of pH 6.5. Don’t add more than 30
pounds of lime per 1,000 square feet of
lime to soil. This will not do much for
lime-loving plants, such as palm trees, gingko
and more delicate foliage. Use
fertilizers recommended for
lime-loving plants

How much plant food to apply
depends on the condition of the
individual plant. A new plant requires
about 50 pounds of lime per
1,000 square feet; old
plants need 3
pounds of lime per 100 square feet. The amount
will be as much as needed by the needs of the
individual plants to grow. All
lime-loving plants and many hardy
flowers carry good
plant foods in one-pound
packages.

The best way to apply the soil
improving materials is to spread the
materials over the garden and
plant food over the garden
about 10 days before planting and then
plant them
in. This will
absorb the
plant food, thus
making the plant food
available all the way down deep where it will most do good.

Another way is to spread all the
organic matter, lime and three-quarters
of the plant food over the garden
and plant them in. The rest of the plant
food is applied along the sides
of the plants during the growing season.
(Continued on page 108)

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PLANT FOODS

continued from page 52

are many kinds on the market. Different firms have varying formulas but all must meet the requirements of government
standards. In this way the pur-
crher is well protected, if he will just be
careful to read the labels on every type he is purchasing. For most
purposes, the 5-10-5 or a similarly balanced ratio will suffice. The first 5 in-
cludes the percentage of nitrogen, the 10 is the percentage of phosphoric acid
and the last 5 indicates the percentage of potash.

To get the most from plant foods, be
careful not to use too much on one spot or to apply it during the dry part
of the summer. It is best to spread your plant food very evenly with a long
sweep of the arm when applying it on
top of a grown lawn. For flowers and
vegetables, these plant nutrients do
best if you work the correct quantity
into the soil at the time you are prep-
aring the bed. If, in early spring, you
scatter the plant food evenly at the rate
of 25 pounds per 1000 square feet on
the lawn, around the shrubs and over
the garden, you will cause any
burning at the roots of the plants and
will get them off to a quick start. It is
often advantageous to repeat the ap-
lication in September.

COMPOST. To obtain organic matter
to supplement the mineral plant foods,
every garden should have a compost
pile on which, leaves, clippings and all
kinds of non-diseased plant refuse
can be reduced to humus. To aid in
decomposition, keep this pile reason-
ably moist but not wet. The rotating
process is speeded up by adding a lit-
tle soil to a pile from time to time and
by scattering a little lime and mineral
plant food over it. If any odors develop,
eliminate them by spreading dehy-
drated lime over the top of the heap, or
cover it with a light layer of soil.

A bag of sulfate of ammonia is
often very useful to touch up the lawn
and garden from time to time during
the summer and to use around the rhodo-
dendrons and azaleas and other acid-
loving plants. This material has an
acid effect. It can be applied to advan-
tage also on the compost heap if sup-
plemented with an equal quantity of lime. But be careful not to overdo its
use. An application of 5 pounds per
1000 square feet is enough at any one
time and where it gets on plants it
should be washed off the foliage with a
sprinkler or hose.

You have probably heard a good bit about minor elements. Magnesium and boron are the two that are most likely to be missing. Some
complete plant foods contain these ele-
ments and, if they do, this will be shown on the label. Fortunately, de-
ficiencies of these elements are not
likely to develop if you make regular
use of lime and if you make your plant
refuse into compost, either on or in the
soil, plant a cover crop.

(Continued on page 108)
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MIEHLHAN

TURNS WITH
A CORKSCREW

Cool drinks for warm nights under the palm trees

When the north wind whistles you off to resorts along the warm Gulf Stream, you'll want cooling refreshment after hours of toasting in the sunshine. If you have fished for sail off Biscayne Bay, gone trolling among the Carib out-islands or simply relaxed in some old walled southern garden, you'll look forward to cocktail time. The drinks you will enjoy most are mild, delectable and cool as snow.

Among aperitifs ideal after a warm day are those whipped up in your frozen daiquiri mixer. Have a mellow-bodied island rum handy, along with juices of local fruits—fresh pineapple, lemon, orange, lime—and sprigs of mint. You'll need various liqueurs, such as cherry brandy, Benedictine, crème de menthe, plus the old stand-bys, vermouth and sherry, to use in blending these four drinks: Bamboo Cocktail, Florida Cocktail, South of the Border Longtail and lastly a Singapore Sling— which might have originated among Somerset Maugham's English planters in the Malay Straits. Ingredients which follow are for individual drinks. Recipes are reprinted from The Stork Club Bar Book, copyright, 1946, by Lucius Beebe (Rinehart & Company, Inc.).


FLORIDA COCKTAIL. To 2 oz. rum, 2 dashes green crème de menthe, juice of half lime, % oz. pineapple juice add sugar to taste. Shake, decorate with mint sprigs. Puerto Rican Rum Carisma, Schenley Import Corp. Keed Crème de Menthe Glaciale, Imported Brands. Glass, Hammacher Schlemmer.


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*Heatilator is the registered trade mark of Heatilator, Inc.
SOIL
continued from page 104
Commercial plant foods should never be placed in a shallow trench directly beneath the seed or plant roots because of the danger of burning the seeds and roots of the growing plants.

Where the soil has already been turned over, the correct amount of organic matter, limestone and plant food should be spread over the dug surface and raked in with a chopping motion to a depth of at least 4 inches. This method is the least satisfactory of the three, but it does save resurfacing the entire area of the garden.

Further to assure success, choose the right location for your garden. The best prepared soil will yield poor crops if the plants fail to get the light they require. Most plants, including vegetables, need at least four hours of full sunlight daily to develop normally. Plants such as holly, rhododendron and dogwood grow well in partial shade, but most of the others will not do well under such conditions.

It is well to remember, also, that most plants will not thrive when planted beneath or in close proximity to large trees, no matter how good the soil. Roots of trees compete with those of small plants for moisture and nutrients. Moreover, with the possible exception of periwinkle and pachysandra, the dense shading effect of trees like Norway maples further hinders the development of the smaller plants.

One final precaution: do not be in too great a hurry to dig the garden this spring. Never dig when the soil is wet. Wait until it has dried out a bit. A good way to determine when it is right for digging is to turn over a forkful and hit it with the tines of the fork. If the mass falls apart readily, your soil is in fit condition to dig.

PLANT FOODS
continued from page 105

Some gardeners add superphosphate to compost piles or manure. This supplies phosphoric acid only and has a marked effect in stimulating young plants and enabling them to grow a good root system. But the 5-10-5, or similarly balanced formula, is almost equally effective in most cases.

There's a best lime for everything. One final precaution: do not be in too great a hurry to dig the garden this spring. Never dig when the soil is wet. Wait until it has dried out a bit. A good way to determine when it is right for digging is to turn over a forkful and hit it with the tines of the fork. If the mass falls apart readily, your soil is in fit condition to dig.

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We regret that we did not include the Grace Line's Caribbean winter cruises in our December issue. There are two leaving from New York every Friday. One takes 12 days, stops at Curacao, La Guaira, Puerto Cabello and Caracas. The minimum fare is $435. The other cruise takes approximately 16 to 18 days, stops at Puerto Cabello, Bar- ranguilla and Maracaibo. The minimum fare is $435. The ships are the well-known "Santas," with all outside rooms, each one with a private bath.
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Everett Piano Company, South Haven, Michigan

**KITCHENS**

**FOLLOWING** is shopping information on the merchandise shown in the kitchens on pages 78-83.

**All prices approximate**

**Page 78**
Dillingham folding chair in Birch-Boo, $14.50 at Payne's of Boston. Greenhouse at left, Lord & Burnham, Irvington-on-Hudson, N. Y.

**Page 79**
Monitor portable washer with electric pump, $69.95 at Woodward & Lothrop, Washington, D. C. Frigidaire ironer, $200 at local dealers. Cosco low-adjustable posture chair by Hamilton, $9.95 at Macy's, New York. Salmonson's adjustable Arvin ironing table is $8.95 at Abraham & Straus, Brooklyn. Cosco high posture chair by Hamilton, $12.95 at Macy's, New York. Rubbermaid mat to cushion feet while ironing, $4.95, Stern's, New York. Frigidaire wall cabinets (21" wide x 18" high), $23 each; (24" wide, 30" high), $28 ea. (Also shown on page 78.) Frigidaire water heater (40 gallons), $155. (Also shown on page 78.) Frigidaire automatic washer, $300. (Also shown on page 78.) Frigidaire automatic dryer, $240. (Also shown on page 78.) Frigidaire base cabinet, $61. (Also shown on page 78.)

**Page 80**
Large sketch from left to right
G. E. counter height refrigerator is $190 at H. & S. Pogue, Cincinnati. (Also shown on page 81.) Horton Texteel ironer chair, $13. Chambers ranges in color from $350 to $400 at Hochschild, Kohn & Co., Baltimore. (Also shown on page 81.) Kitchen Maid wood cabinets: left- and right-hand sink cabinets, $30.30 each. Four-drawer cabinet, $16.30 each. Wall cabinet above counter, $55. Wall cabinet above oven, $71.40. Wall cabinet above refrigerator, $33.20. High floor cabinet, right of refrigerator, $65.00. All at Kitchen Maid, New York, Chambers oven-on-oven range in stainless steel at Hochschild, Kohn & Co., Baltimore. (Also shown on page 81.) G. E. refrigerator-freezer, $400 at H. & S. Pogue, Cincinnati. (Also shown on page 81.)

Small photo (left to right)

**Page 81**
Chambers set of panels in colors at Hochschild, Kohn & Co., Baltimore. (Continued on page 111)

**TROPIQUE Furniture**

Exactly right for recreation room use.

Colorful, sturdy and comfortable, Tropique fits perfectly, too, into sun room, den and apartment living room.

See this fine furniture at the better stores. For name of nearest, write Dept. G.

**Bodart**

Authentic French furniture, executed with masterful artistry in richly finished woods.

BODART FURNITURE, INC., 385 Madison Ave., New York, N. Y.
In large sketch (see plan above)

Knoll swivel chair. (Also shown on page 82.) Hardwick "Challenger" range, $260 for left- or right-hand oven model, at Abraham & Strauss, Brooklyn. (Also shown on page 82.) Hobart KitchenAid dishwasher, $295, Hammacher Schlemmer, New York. Hamilton Cosco utility table on wheels, white with chrome, $16 at Hammacher Schlemmer, New York. Morton steel cabinets with glass front, $35; Morton cabinet, $70 at Marshall Field, Chicago. Singer new electric lightweight portable sewing machine, $145 at all Singer Sewing Centers. Amana freezer-refrigerator, $400, La Salle and Koch, Toledo, Ohio.

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Baker Furniture Inc.
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30 MILLING ROAD, HOLLAND, MICHIGAN

For your copy of the "Baker Guide To Good Furniture" please send 25¢.

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Beacon Hill Furniture
CHICAGO REPRESENTATIVE: FLUES AND ORR, INC., MERCHANDISE MART

Beacon Hill Collection

Beacon Hill Furniture
CHICAGO REPRESENTATIVE: FLUES AND ORR, INC., MERCHANDISE MART

The magnificent
Magnavox
radio-phonograph + television

AMERICAN MODERN Radio-Phonograph
with space for Magnascope Television,
white oak or mahogany finish . . . $375

The Magnavox Company, Fort Wayne 4, Indiana
The following stores carry much of the merchandise shown on pages 62 and 63: Bamberger's, Newark, N. J.; Craft House, Williamsburg, Virginia; Macy's, New York; Macy's, San Francisco; Marshall Field, Chicago; Mayer & Co., Washington, D. C. Other stores throughout the country also carry Williamsburg Restoration Reproductions. For further information please write to The Williamsburg Restoration Reproduction licensees.

Prices include Federal tax

Page 62

Upper right photograph

His Lordship's Chair, mahogany, is 49" high, 26" wide, $122 in muslin, Kittinger Company, Buffalo, New York. Fabric is the "John Marshall" print, 36" Everglaze cotton, six color grounds, Boxwood Green, Claret, Blue Slate, Garnet, Resin and Tobacco, $4 a yard. F. Schumacher & Company, New York, New York.

On the wall is "Stencil Square" wallpaper, $4.20 a single roll, Katzenbach & Warren, Inc., New York, New York. Sterling flatware, pistol-handled dinner knife, $1.36; medium knife, $6.30; butter spreader, $5.10; dinner fork, $6.60; medium fork, $5.40; oyster fork, $3; The Stieff Company, Baltimore, Md.

Paints range from $4.66 to $4.90 a gallon, according to location. Pittsburgh Plate Glass Company, Pittsburgh, Pa.

When giving or entertaining, select your playing cards from Guild's Gallery of distinguished set, reproduced in full color. Guild Playing Cards are coated with plastic for easier shuffling, dealing ... and longer life ... are packaged in a crystal clear plastic case. If your favorite dealer does not have Guild Cards, give us his name, enclosing $1.75 plus 25¢ for postage and handling and we will mail you matching decks of the above design, and samples of other designs in the Guild line.

THE LOTUS GLASS CO., INC.

BARNESVILLE, OHIO
WILLIAMSBURG
continued from page 112

Center right photograph
Queen Anne looking glass, 38½" x 40½".

Vase with Tear-Drop stem, 10"; $5.50;
patriner Tear-Drop stem, 7½"; $3.90.
Each, Blenko Glass Company, Milton, West Virginia.

Fabric is the Williamsburg Floral Bough, 36", cotton, $8.00 a yard, F.

Jardinière, brick-shaped, pierced top,
$17. Paln Thorley, Williamsburg, Va.

Bottom photograph
Hanging shelf, 39" high, 36" wide,
$140, by Kittinger Company, Buffalo,
New York.

Fabric is silk damask, 50" wide, by

Queen’s Ware, “Husk Design” dinner plates, $21.50 a dozen; demitasse (cup
and saucer), $24 a dozen; teapot, $7.50.
Josiah Wedgwood and Sons, Inc., New
York, New York.

Brass candlestick, 13" high, $35.75 by
Max Rieg, Williamsburg, Virginia.

Sterling muffineer, $60, The Stieff Com-
pany, Baltimore, Maryland.

Hurricane shade, 18½" high, $12, Blenko
Glass Company, Milton, West Virginia.

Tea wall sconce, antique finish is 11½"
in diameter, $7.50, by Boone Forge,
Spruce Pine, North Carolina.

Page 63
1. Snake handle holder, wrought-iron,
7½" high, $3.75 each. Boone Forge,
Spruce Pine, North Carolina.

2. & 3. Sterling bowl, $30, sterling com-
posite dish, $85. The Stieff Company,
Baltimore, Maryland.

4. "Tear-Drop" pattern, American
mouth-blown glassware; 6½" wine
glass, $3.00 each; 8" goblet, $3.90
each. Blenko Glass Company, Mil-
ton, West Virginia.

5. Sterling muffineer, $60. The Stieff
Company, Baltimore, Maryland.

6. Silver resist jug, 4" high, $17. Palin
Thorley, Williamsburg, Virginia.

7. Hanging shelf in solid mahogany is
39" high, 36" wide. $140, Kittinger

8. “Oak Leaf and Acorn” green on

(Continued on page 114)
At this popular playland, winter takes on a wonderful new meaning. It's a bright, festive, fun-filled season... with every day a holiday. The eight electrically operated ski lifts make possible more concentrated skiing each day than any other area in the world. Too, there's skating, outdoor warm-water swimming, sleighing, dancing and evening entertainment—all yours to be enjoyed.

**WILLIAMSBURG**

Prices include Federal tax
white wallpaper, $4.35 a single roll.
10. Skimmer with brass bowl and wrought-iron handle, 2 1/2" long, $8.25; cake turner, brass bowl, wrought-iron handle, 15 1/2" long, $6.75, 18" long, $6. Boone Forge, Spruce Pine, N. C.
13. H and L hinges, 10 1/2", $8 a pair. Wrought-iron, foliated finial, $14, Boone Forge, Spruce Pine, N. C.
14. His Lordship chair, mahogany, 49" high, 26" wide, $125, length 50"; canvas, $50, J. Folger Adam, Buffalo, N. Y.
15. Verdure green damask has a pattern of floriated acanthus leaves. Scalamandre Silks, Inc., New York, N. Y.

GRATELY NOVELTY FURNITURE CO., INC., RIDGEWAY, VA.

**DROP LEAF HOSTESS CART**

Satin rubbed finish. Mahogany veneered top and shelf. Adds charm and atmosphere of gracious living to any home. Top 28 x 18 1/2 inches. Height 26 inches. With leaves up, 28 x 35 1/2 inches.

**GRATELY NOVELTY FURNITURE CO., INC., RIDGEWAY, VA.**

**The Duchess of Parma Chair**

The simplicity of this lovely design is adopted from the classic treatment of the Italian Empire period. The cushion is soft and the wood used is exclusively selected Honduras Mahogany, painstakingly hand rubbed to a deep richness.

*Ask your dealer to show you this chair*

**The SHEPARD ELEVATOR COMPANY**

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Ask for Genuine Moccasins, hand sewn, hand lasted and hand finished by Mosher. They hug the heel...no slip...no gap.
**GARDENING**

A Rose Book and garden catalog in five sections features the new All-America rose winners, patented and popular favorites, in natural color. A complete selection of the latest and best annuals and perennials is included. Exhibition and novelty bulbs for spring planting, perennials, conservatory and house plants round out the presentation, Germain Seed & Plant Co., HG 1, 777 Terminal St., Los Angeles 21, California.

Armstrong's 1950 Rose Catalog uses the Beg sleender winner, Sutter's Gold, on its cover. Among other AARS choices are Mission Bells, Capistrano, Fashion, Bush and miniature roses, climbing and tree roses, and a collection of camellias all appear in color, supplemented by accurate plant descriptions, Armstrong Nurseries, N. Lemon Avenue, Ontario, California.

Ferry's Home Garden Guide begins with soil preparation, cultivation and care, ends with perfect pictures of vegetables and plants. Charts show when to plant what in each zone of the country. Outstanding are the Climbing Sweet Peas, included in a plant chart with color notes and suggestions, Ferry-Morse Seed Co., HG 1, Detroit, Mich., or San Francisco.

“Garden Gems" has one of the world's largest collections of garden roses, including the All-America Rose Selections for the past 10 years. There are 600 kinds of perennials, hybrid rhododendrons, hardy azaleas, flowering shrubs, clematis, vines and other plants. 35c in stamps or coin, Bobbink & Atkins, 525 Paterson Avenue, East Rutherford, New Jersey.

Fruits are lavishly displayed in the Sace catalog. Brilliant color illustrations feature Stark Golden Delicious and Starking Delicious apples, Elberta peaches, plums and many more fruits and flowers. Results shown are in actual color made from Kodachromes. Stark Bros. Nurseries & Orchards Co., Box 27, Louisiana, Mo.

Totty's Catalog contains such special features as new chrysanthemum introductions from England, Australia and America, All-America awards roses; new introductions and standard varieties of perennials. Roses of all types are accompanied by descriptions and cultural notes. 25c, Totty's, Box G, Madison, New Jersey.

“The Parade of Modern Roses and Perennials" leads off with Fashion, a new floribunda rose, winner of four international awards because of its color, fragrance, and dependability. Other roses include Aloha, the Pinocchio family, Elinor LeGrice, The J&P New York Garden Notes. 35c. Totty's, Box G, Madison, New Jersey.

Wayside's new catalog contains, as always, wonderfully complete cultural notes which should help you to reproduce the roses, lilacs, gladioli, iris, daffodils shown. A complete index of gardening is included. 50c, Wayside Gardens, 30 Mentor Ave., Mentor, O.

**WILLIAMSBURG LICENSEES**

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“Williamsburg Antiquities," approved by Williamsburg Restoration, is a portfolio of hand-wrought iron reproductions. Among them are hinges, shutter dogs, latches, undirons, coal grates and fireplace accessories. Candle stands and outdoor lighting fixtures are appropriate. The company is also equipped to make any items from individual specifications. 10c, The Boone Forge, HG 1, Spruce Pine, North Carolina.

“Historic Fabrics as used in Restored Williamsburg." As exclusive makers of Williamsburg Restoration silk fabrics, Scalampre Silks presents an outstanding fabric collection. Antique pieces are a golden damask from the Governor's Parlour, curtains of burgundy red from the ballroom, gold antique silk from the Wythe House, 25c, Scalampre Silks, Inc., HG 1, 590 Madison Avenue, New York 22.

“Williamsburg Restoration Furniture Reproductions" are inspired by the work of anonymous craftsmen who worked during the reigns of William and Mary and Queen Anne, and by the celebrated craftsmasters of the Georgian period—Chippendale, Hepplewhite, Sheraton—whose furniture was in use in Williamsburg during the 18th century. 25c, Kittinger Company, HG 1, Buffalo, New York.

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AT LEADING FURNITURE AND DEPARTMENT STORES


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