Helter-skelter they go, in a joyous shower . . . like blossoms strewn before a bride. These are “he-loves-me” roses, the kind that come impulsively at daybreak or Tuesday or any old time and send your heart soaring.

Down they pelt, and each finds its match in softness and velvet smoothness as it kisses the gleaming sheet. Pacific Combed Percale is exquisitely fine—as tender against your skin as the silkiest petal.

Made only of long, strong cotton fibers combed smooth, Pacific Combed Percale provides all you may desire of comfort—balanced precisely against the service qualities.

There are Pacific Balanced Sheets to fit your every need, from guest room to nursery. See them at better stores; we shall be glad to send you the name of your nearest retailer. Always be sure to ask for Pacific Sheets by name when you shop.
NOW a Trial Membership can be offered to YOU!

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For a period of six months only, you may try out this cooperative plan by which you obtain a unique collection of the world's classics, especially illustrated by the world's great artists, well-printed on permanent papers—

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One year ago, you couldn't have done it! One year ago, there were no vacancies in the membership of The Heritage Club. Because we had to know in advance how many books to make for the members, at that time we decided that we would accept only twenty-five thousand applications. But 27,788 applications came in. So 2,788 people were disappointed.

The reason for this gratifying success? Perhaps it is because it is all too seldom that such an honest value comes to those who love beautiful books.

The Heritage Club distributes to its members "the classics which are our heritage from the past, in editions which will be the heritage of the future." These books are not "de luxe," nor are they old editions dressed up for a new market. They are especially designed by the most famous typographers, illustrated by the greatest of the world's artists, carefully printed by leading printers on fine papers chemically tested to assure a life of at least two centuries, handsomely bound and in slip-cases.

And the members obtain these books for the same price which they are called upon to pay for ordinary novels! Despite increases of 100% in the costs of manufacturing, each member is called upon to pay only $3.65 for each book—or only $3.28 if he makes payment in advance!

Now, and for the remaining six months of our publishing year, we have decided to increase the membership. This month just one thousand new members will be enrolled, upon a Trial Membership basis. If you apply for one of these Trial Memberships (and in time to get one of them!) you will during the coming six months obtain these books:

Robinson Crusoe, the complete and adult text, illustrated with wonderful water-colors by Edward A. Wilson; The Song of Songs, each copy hand-illuminated with pure gold by Valenti Angelo; Wuthering Heights, illustrated with lithographs in color by Barnett Freedman, and Jane Eyre as a companion volume; The Decameron of Giovanni Boccaccio, amusingly illustrated with woodcuts by Fritz Kreidel; Lorna Doone, illustrated with water-colors by the great English artist John Austen.

Yet, if it should happen that you do not desire to have any one of these books, there is a list of a dozen Substitution Titles.

These books will be treasures in your home, books you will exhibit to your friends with pride. They are the books which one reads and re-reads.

Never in the history of book publishing has a greater bargain been offered to wise buyers of books. This Trial Membership gives you the opportunity to put this statement to the test.

Please fill out the coupon printed herewith and mail it to The Heritage Club promptly. You will then be sent a completely descriptive Prospectus, and a Trial Membership will be reserved.

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To THE HERITAGE CLUB,
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Please send me immediately a copy of your new Prospectus, in which you describe the special offer of Trial Memberships which you are now able to make, and in which the books are described in detail. I understand that you will reserve a Trial Membership in my name, awaiting receipt of my application.

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HG6M
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except for one thing: here and there certain blank wall areas are simply "crying for"
a few tastefully selected pictures or group-arrangements!

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ASSOCIATED AMERICAN ARTISTS
GALLERIES, 711 FIFTH AVE., NEW YORK
WALTER CROPPUS, pioneer modernist and chairman of Harvard's Graduate School of Architecture (his house, what he thinks of it are on page 72), is senior partner of The Architects Collaborative. Its eight members designed Harvard's first modern dormitories and Commons Hall, to cost $3,000,000. GERTRUD M. SMITH is not only an authority on crab apples (page 34) but also spends nine months of each year as a consultant taking care of New Jersey gardens. She helped to edit a useful authoritative garden book. CAMERON CLARK, architect of Mr. and Mrs. Maynard S. Bird's house (page 54), is a confirmed good neighbor, believes houses should fit and contribute to their communities. He writes us on a slightly belligerent note: "To create a startling design, out of key with its neighbors, is selfishness rampant." RODERICK W. CUMMINGS, who writes of the new perennials on page 33, is a gardener by inheritance and inclination. With his father, the late Alexander Cumming, one of America's greatest hybridizers, he watched and tested plants for 13 years at Bristol, Connecticut, will continue his work in Virginia. ON THE COVER: A still life of flowers painted in oil by Jacques Falcou.
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For many years, the Book-of-the-Month Club has included in every issue a reproduction in full color of a world-famous painting. Hundreds of high schools and colleges have come to use these beautiful reproductions in their art classes, and many thousands of people over the country, we find, have been collecting them. Over the years the highly expensive full-color plates, necessary for such fine reproduction, have accumulated one by one and—with the recent addition of many of the famous German-owned masterpieces now being exhibited—by printing them all together in one large edition, this extraordinary gift to new members has been made possible.

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As a member of the Book-of-the-Month Club, you pay only for the particular books you decide to take. You may take as few as four selections in any twelve-month period.

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The amount you pay for the Book-of-the-Month is the regular retail price set by the publisher in each case, frequently less. Notice, in the coupon, that the members' price is substantially lower in four out of six cases. (A small charge is added to cover postage and other mailing expenses.) Yet with every second Book-of-the-Month you take, you receive—free—one of the Club's book-dividends. These are beautiful library volumes, sometimes two-or-three volume sets.

Since the books you take from the Club are only those you would buy anyway, the saving is extraordinary. We suggest you try it for a short time, and see how it works. You may begin your subscription by ordering any book listed in the coupon at the right.
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Bedroom Shop, on the Eighth Floor
424 Fifth Avenue, New York City-18

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No more heating up the whole oven just to bake a few potatoes! Here’s a top-of-the-line, one-burner oven to save many dollars. Bakes potatoes, warms buns, and may be used to heat a casserole. Made of highly polished chrome, it’s 8½" across the base and stands 14½" high. Cool bronzed wood handle. Vapor escape valve at the top. Trivet and base perforations permit unhindered flow of heat, but prevent flame from reaching food. A fine shower gift!

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Pin-up planters, an attractive form of wall decoration, are simple to attach, have easy-to-remove pot and coaster. Permanent fixture is clear Lucite, flower pot, 3½" tall. In yellow, red, blue, green, pink or ivory. $2 per set, postpaid, from Wil-Not Products, 3002 North Fifth Street, Philadelphia, Pa.

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Aircraft Corporation
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Three-dimensional tic-tac-toe, like the simpler version, has an unending fascination for all ages, yet it offers the most skilled player a much greater challenge. Any number can play and there are 76 ways to score. Of clear plastic, it comes gift boxed for only $1 postpaid from Brad Lee Gifts, Bedford St., Waltham 54, Massachusetts.

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January, 1949

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JANUARY, 1949

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Send included for every without attention to instructions.

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The importance of your room will be em-
phasized and its beauty greatly enhanced
by these glamorous electrified fountain lamps. Each lamp has 27 sparkling glass crystal prisms spreading out over a gold plated base. Just the thing for the ex-
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Height overall 10½'

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Just make tracing of original drawing on article selected; brush on bright, spar-
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Just make tracing of original drawing on article selected; brush on bright, spar-
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Refrigerator odors disappear in a jiffy with this new deodorizer. Put it in your refrigerator and it will sponpee up odors so they can't be absorbed by other foods or ice cubes. Try alternating two bars and they'll last indefinitely. 75c each. Hannah Parker, 136 St. Paul Street, Brookline, Mass.
Quiz games, instructive and entertaining for the very young, consist of colorful rolls of paper turned by knobs. The object is to match up letters with a simple word in the spelling quiz, $1.50; colors and objects in the rainbow quiz, $1.50, and animals with characteristics, $1.25. J. J. Anthony, 1517 W. North Ave., Milwaukee 5, Wis.

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SHOPPING

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Colonial hat and coat hanger. Back in early days people had the convenient habit of making useful things pleasant to look at. So with the thought that you would like it, too, this hanger was reproduced. It has a wrought-iron finish, is 7" long and comes with screws for fastening, $1. pdd. The New England General Store, Plain St., Millis, Mass.

Hot plus cold equals warm. If you have two faucets that express themselves to your discomfort by extreme temperatures, get this water mixer which fits any pair, round or oval, smooth or threaded. Of nickle-plated brass, it is adjustable for 7" to 11" and 11" to 14" widths. Specify distance, $1.25, pdd. Spencer Gifts of Atlantic City, New Jersey.

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AROUND

JANUARY, 1949

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BEDROOM AND DINING ROOM FURNITURE
If this is your first year as a gardener, you are probably impatient at the long winter months which keep you house-bound. But the experienced gardener knows that this is in many ways the most fruitful time of the year. Spring is all action. Summer and autumn are busy with harvests of fruits and flowers and vegetables. Winter is when you plan your garden, learn the skills that you will need in the months ahead. Despite the avalanche of new and improved plants presented to American gardeners each year, we are inclined to loiter in the beaten path. Despite the excellent tools and machinery devised to make gardening less of a chore, we are timid about enlarging our gardens. Despite the fact that no new material reaches us till it has been tested and re-tested, we ourselves are all-too-seldom ready for it. While the garden sleeps, the gardener should be wide awake. That is why January is the time we choose to devote almost an entire issue of this magazine to gardening. When the willows begin to bud you will have little time for reading. Now is when you order for the year ahead, working from a carefully considered blueprint. Only in this way can you be ready for the rush of activity which the sun releases as it thaws your garden to life in the spring of the year.
Gardening
advances on five important fronts

... IN NUMBERS
At the end of World War II there were four times as many gardeners (4,500,000) in America as at the end of World War I. In 30 years, four times as many people have learned what it is to work on the land, enjoy the increase that springs from it.

... IN SAVING SOIL
Within the same span, awareness of the value of the land has grown beyond computation. Americans today begin to grasp the need to keep it in health and to halt the waste of its fertility which ignorance and greed have brought to a dangerous pass.

... WITH BETTER PLANTS
Though their numbers may be bewildering, the new varieties of flowers and vegetables offered each year are more than an effort to satisfy the American desire for something new. They are largely improvements on existing varieties. In many strains they are healthier, resist disease more readily, give more abundantly.

... WITH BETTER GARDENERS
A spate of garden books pours from our presses, summer and winter. It is hard to believe that any American can be ignorant of gardening. Garden Clubs which disseminate inspiration and information seem to spring up wherever gardeners meet.

... WITH LEADERS
We need bellwethers everywhere, home owners who are devoted to their plots of land and who spread enthusiasm for gardening and urge their neighbors on to pleasant competition. Over the picket fences and stone walls and hedges, their quiet gossip and note-comparing spread a gospel of contentment and better living.

Richardson Wright

Opposite: THE SPRING GARDEN IN ALL ITS LOVELINESS

If you want your own garden to advance, you must give time, energy (by nightfall, you will think you can never raise a shovel again) and hopefulnes.
The rewards are here, in this painting by Mary Faulconer.
GOOD GARDENING IS GOOD LIVING
TOADFLAX GROWS IN JUMBLED BEAUTY

POTENTILLA AND JAPANESE PRUNES

A PIT GREENHOUSE SHELTERS A VARIETY OF PLANTS

THIS RUGOSA ROSE IS RUSKIN

THE FLOWER-RIMMED TERRACE AT THE HERMON MORES', WOODSTOCK, NEW YORK

PINK PRINCESS, A VIGOROUS GROWER

MASSED CINERARIA

ROSE MAGNA CHARTA

CALADIUMS AND CYCLAMEN AT NEW YORK SHOW

PINK AZALEAS BY A WELLHEAD

Hazy lilacs bloom in a dooryard
A calendar of new perennials

Month after month, they will add color to your garden

by R. W. CUMMING

The word “new,” applied to plants, is tricky to define technically. Sometimes novelties are permutations of old familiar favorites. Sometimes they aren’t brand new, but have never before been generally available. The safest way for the gardener to arrive at a satisfactory definition of the word “new” is to ask himself whether he’s ever grown a particular flower before. The varieties which I have singled out here are all recent and excellent. If you order and grow the ones which appeal to you, your garden will unfold fresh and pleasant experiences next summer. After all, experimenting is half the fun of gardening.

To run more or less chronologically through the season, let us begin with early April. The brilliant lungwort, Pulmonaria Salmon Glory, is low and well covered with good salmon-red blooms. Very showy, it prefers some shade if it is to retain its large leaves all year. In April also, the six-inch spikes of Erica vivelli are covered with bright carmine flowers, and no shade or protection seems necessary. Not exactly a perennial, it is a fully hardy heath plant, a low, mat-forming evergreen. Viola Yellow Vixen starts its parade of pretty one-and-a-half-inch primrose-yellow blooms soon, and continues all season. It seems to have a rugged constitution. Another rugged new viola, Gerald Wallace, is a lovely two-toned blue.

A new candytuft, Iberis casus Purity, is notable for its whiter, larger flowers, outlasting Snowflake by weeks. This also mats, but slowly, and is always attractive. A very tough, desirable plant for the rock garden is Polemonium Blue Pearl, a long-blooming Jacob’s ladder with large blue flowers over fine, fern-like foliage. It may spread to two feet but can be safely divided either in August or very early spring. Anthemis Golden Dawn is a fully double marguerite, like a pompon marigold. Hardy and tolerant of dryness, its 18-inch stems allow cutting through a long season. The parade of pinks is always delightful and Dianthus Salmon Unique, a good double, 15 inches tall, helps to make it so. Dubonnet brings a wine-red shade distinctly new to hardy carnations. Shorter and more semi-double in form is Wallace Red, dark red over crisp green foliage. These fragrant plants are at their best in June and July, September and October, but scatter bloom in August as well. Among the loveliest of our flowers is the painted daisy, Pyrethrum. Since named varieties  

Opposite:

A POTPOURRI OF FLOWERS

The perennials on this page, some of them established favorites, some newcomers, bloom through the summer. No one of them is beyond the amateur’s skill.
Flowering crab apples add beauty to spring gardens

Flowers of rosy petals on the grass, honeybees and birds are all part of the pleasure of growing crab apple trees. The small-fruited apples are commonly known as crab apples, and those grown for ornament are sometimes called flowering apples, indicating that they are grown to be looked at rather than for food. Sifting the names of hundreds, we find a dozen or two of greatest worth for planting in North America wherever common eating apples are grown, and even further north, well into the colder regions of Canada beyond the eating apple range. They give great beauty of bloom and many give beauty of fruit. With maturity, they often acquire, on a smaller scale, the picturesque twisted limbs and billowy outlines that we look upon so fondly in their larger relatives.

Most of the ornamental crab apples range from about 15 to 20 feet in height; a few are smaller, a few larger. They are at their best in plenty of sun. In shaded situations, they tend to grow tall and straggly, and the bloom decreases in proportion to the amount of shade that they receive.

It is convenient to consider the crab apples in two groups: the early-flowering Asiatic kinds, and the later-flowering American kinds. First to bloom is a group derived from Malus pumila pumila. All in this group inherit from this parent a purplish tinge to flowers, foliage, the fruit and its flesh. The red or purple in the foliage is most pronounced in spring. In general, these trees have showy red fruit.

The purple crab apple, M. purpurea, with soft purplish-red flowers, blooms early, followed quickly by the Eley crab apple, with flowers and foliage a little darker. Reddest is Lemoine, most brilliant of the flowering apples. Among newer varieties, Hopa is very fine, similar to Eley, with good-sized red fruit. Another, Red Silver, has a silvery sheen to the underside of the leaves. Its flowers are red, and the foliage retains its red cast throughout the whole of the summer.

Most popular of the Asiatic varieties is the lovely Japanese flowering crab apple, M. floribunda. Its quantities of pink buds open to a more delicate pink, fading finally almost to white. In October, the birds devour the tiny yellow apples. It will grow 15 to 20 feet in time, and just as broad, or broader. (Cont'd on page 94)

Opposite: BECHTEL'S CRAB APPLE

This variety, first found in the Mississippi Valley, bears double flowers, pale pink, sweetly scented and four inches across.

Fall beauty in fruit

Flowering crab apples are among the aristocrats of the garden, and well they might be. They furnish a great flood of varied beauty in flowering and a season-long assortment of leafage ranging in color from green to bronze to purple, also large and small fruits, yellow, scarlet, plum-colored. The fruit, left, is from Malus floribunda, the Japanese flowering crab apple.
Will your garden be formal or informal?

These are points which will influence your choice: (1) lay of the land, (2) architecture of your house, (3) amount of work required to maintain the garden in top order, (4) whether you are a formal or informal person and (5) degree to which tradition guides your taste.
Above and right:

INFORMAL? THEN YOUR GARDEN MAY LOOK LIKE THIS

This informal garden in Holland follows the popular American and English taste. It consists of an irregular panel of turf rimmed with a deep herbaceous border (see plan, right). The plants range from the lowest in front to the highest at the back and provide a succession of bloom through the seasons. Tall shrubs and trees, in the rear, give a green foil to the various colors.

Opposite and above:

FORMAL? THE PATTERN WILL BE PRECISE

A parterre (ornamental arrangement of flower beds) in the eighteenth-century manner is among the gardens made to celebrate the founding of the first garden club in America at Athens, Georgia, in 1896. Individual designs represent the four state emblems.

FACTORS TO GUIDE YOU IN YOUR CHOICE OF A GARDEN

A garden reveals its owner. Are you a neat-and-tidy formalist or are you blithely informal?

Your taste, together with the contour of the land and the degree of your affection for the past, may influence the kind of house you build and the type of garden surrounding it. Left, a formal eighteenth-century design of clipped boxwood on a flat surface. Right, an informal garden in the style of the late nineteenth century, marking a revolt against the stiff “bedding out” of Victorian gardens. This plan furnishes a better way to grow annuals and perennials together. Which is more work? The former needs to be manicured but beds filled with green ground covers reduce labor.

The informal garden demands constant attention to maintain a succession of bloom and the lawn must be immaculately kept. Informality should not mean slattern, hit-or-miss gardening.
Give your plants a good start

Seeds fall into two general classes, soft-shelled and hard. They range from what looks like dust to fruit as big as your fist. In each is hidden capacity for growth. Each has its own vitality, its own strength to break its shell and put forth leaves and roots. Only the hard-shelled (sweet peas and such) need help to quicken their germination. Some you soak in water for a few days; others, which are laggards (such as delphinium), respond to being frozen and kept for a fortnight in the refrigerator.

The soil in which seeds are to germinate should have two qualities: (1) it should be porous—hence add sand to clay soil—(2) it should be sterile. Sterilize soil by baking, saturating with boiling water, or with a chemical which kills off the spores of disease. Or else use prepared mica which has been sterilized, thus avoiding what all gardeners dread, "damping off," where, for no apparent reason, a whole flatful of seedlings wilt and dies. Take a flat, lay along its bottom a glass wick, then fill with sterile soil or prepared mica, put the end of the wick in a mason jar and keep the jar filled with water. As the plants appear, dissolve a little fertilizer into the water. After the plants have shown their first true leaves, they are ready to move into growing soil. This may be in a hot bed or a cold frame, according to season.

In the course of this planting, observe the roots, for they indicate the nature and condition of the soil different plants will need. If roots are long and go straight down, the soil must be dug deep. If the roots are matted, the chances are they will want a damp soil.

The main aim is to keep plants growing. If they are set back by a sudden chill, or the air in the cold frame is not fresh, or they lack water, their advancement will be retarded. Hence we electrically heat hot beds in order to control the heat. This is also the reason for airing cold frames on sunny days and the use of a fine nozzle on the watering pot so that infant plants may be water-sprayed, not deluged and dislodged.

Opposite: KNOW YOUR PLANTS AND THEIR HABITS

Gardeners soon learn that plants are like individuals, placid and satisfied or cranky and demanding. While the majority of seeds can be germinated in the same kind of soil or medium, when they assume their first true leaves and send down roots big enough to study, they also begin to display their idiosyncrasies. For that reason these two tables of 80 good perennials and annuals mention particular plant wants and the ways in which to use plants most effectively. Give them individual care and environment and they will flourish. Be slapdash about it and they may sulk.
### Forty good perennials

**NAME** | **HEIGHT** | **SEASON** | **COLOR** | **COMMENTS AND DIRECTIONS**
--- | --- | --- | --- | ---
Alyssum | 12" | April-May | Golden yellow | Broad, solid masses of bloom. Excellent for edging sunny borders.
Antennis | 24" | June-Oct. | Yellow | Showy, daisy-like flowers for display and cutting. Easy of culture and long-lived.
Arabis | 10" | April-May | White | Low and spreading; combines well with alium as border edging plant.
Aster, hardy | 8'-48" | Sept.-Nov. | Various | Many fine types, including new dwarfs. Indispensable in the autumn garden.
Bee balm | 18'-36" | April-June | Deep rose | Graceful and arching, especially when well established. Part shade. Appreciates good soil.
Campanula | 24'-36" | June-July | Various | Several types, best treated as biennials. True perennial ones best for rock gardens.
Candytuft, hardy | 6'-10" | April-May | White | Evergreen, especially good for edging and low, broad masses. Best in full sun.
Chrysanthemum | 18'-40" | May-June | Various | Many fine modern types and varieties, including Korean hybrids. Good soil, full sun.
Columbine | 18'-36" | Various | Yellow | Exceptionally graceful and attractive, especially the hybrid strains. Excellent for cutting. Sun.
Daisy | 36'-60" | May-October | Pink, various | Greatly improved modern varieties give long season of bloom. Good soil, full sun to part shade.
Diascia | 8'-18" | Various | Light blue | Best of the tall blue flowers, especially the modern strains. Superb for cutting and display.
Deutzia | 24'-30" | April-May | White | Several types, mostly fragrant. Excellent for cutting. Flower freely in sun and lime soil.
Dicentra | 18'-24" | May-October | Various | Daisy-like flowers in masses, good for display and cutting. Sun and well-drained soil.
Dianthus | 18'-24" | Various | Pink, various | Continuous flowering in well-drained soil and sunny situation.
Flax | 3'-4' | Primrose | Primrose | Graceful and airy, delightful clean color. Excellent in masses, sun or part shade.
Flax | 3'-4' | Primrose | Primrose | As edging or masses, or as ground cover for spring bulbs. Sun or light shade.
Garden Phlox | 36'-48" | Light blue | Various | Continuous flowering, especially good for cutting. Modern named varieties much improved.
Gilia | 15" | June-Nov. | Various | Clouds of we, dainty flowers, indispensable for arranging with other flowers.
Gypsophila | 24'-36" | June-July | Pink, various | Effective in masses and for cutting. Tall, airy plant, sun or partial sun. Sun to part shade.
Heuchera | 12'-18" | July-Aug. | Yellow | Best in moist, rich soil. Sun and shade.
Hollyhock | 66'-80" | Various | Yellow | Exceptionally graceful and attractive, especially the hybrid strains. Display and cutting. Sun.
Iris | 4'-6" | April-Aug. | Various | Long, slender, picturesque wands of densely packed little blossoms of peculiar rosy-purple color.
Larkspur | 6'-8" | Various | Blue, white | Unsurpassed where conditions suit it. Full sun, fair amount of moisture.
Lobelia | 6'-8" | Various | Blue | Numerous creeping paper-blossoms. superb for dominating masses. Sun or part shade. Moisture preferred.
Lupine | 15'-36" | May-June | Blue, various | Feathery and fine for cutting. Moist, well-drained soil in sun or part shade.
Mallow | 60'-80" | Various | Pink, various | For display at back of border and for cutting. Rich, not dry soil and partial shade.
Meadowfoam | 36'-48" | Various | Blue | Indispensable in borders or in front of shrubbery. Some varieties fragrant. Sun and deep, rich soil.
Monarda | 30'-40" | June-June | Blue, white | Uncelled for masses of color. Good soil, fair moisture and full sun.
Nasturtium | 30'-40" | June-June | Various | For garden display and cutting. Sandy, well-drained soil, sun or shade.
Nemesia | 12'-18" | June-June | Blue, white | Many new, subtle colors available in this old-time favorite. Sun and good soil.
Origanum | 24" | Various | White, pink | For edging and general early display in well-drained, not too dry soil.
Papaver, hardy | 8'-15" | Various | Various | Excellent border plants for sun and average or coarse soils. Large showy flowers.
Pelargonium | 18'-24" | Various | White | Spire-like foliage and spraying heads of small flowers. Sun or shade; moist, well-drained soil.
Peony | 30'-40" | June-June | Cream, pink | Always desirable for border and cutting, especially the newer varieties. Full sun.
Phlox, small | 30'-40" | June-June | Blue, white | Graceful, slender flower spikes, some very long. Sun or part shade.
Phlox, tall | 30'-40" | June-June | Blue, white | For edging and ground cover in either sun or part shade. Numerous varieties.
Phlox, tall | 30'-40" | June-June | Blue, white | For edging and ground cover in either sun or part shade. Numerous varieties.
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Phlox, tall | 30'-40" | June-June | Blue, white | For edging and ground cover in either sun or part shade. Numerous varieties.
Are you an adventurous gardener?

Here is a crop of new annuals to give variety to your garden

by CARL V. CROPP

As a race, we Americans are singularly incurious gardeners. Each winter we pore over catalogs which offer an exciting choice of new annuals. Each spring we go out and plant half a dozen or so of the same old species. Only a few avid experimenters desert the beaten track. Gardening can be far more gratifying if you adventure. Plan to plant some new annuals each year and your garden will have a variety and charm it would lack otherwise. There is a thrill to seeing a new plant. When I walked into the private breeding patch of a well-known California seedsman a few years ago and saw Ipomoea Blue Mound for the first time, I knew I had discovered one of those rare novelties which represent a completely new race of plants. Try to imagine a normal Heavenly Blue morning-glory compressed into a variety 12 inches tall. Then picture that dwarf covered with the same four-inch flowers of the parent vine. That is Ipomoea Blue Mound. Because it gets its dwarf habit by reason of shortened internodes, it carries almost as many flowers as the taller plant, but they are borne so closely together that the foliage is all but invisible.

Blue Mound is a seedling of Clark’s Early Flowering strain and retains the early flowering habit of its parent. Definitely a novelty that ought to be in every garden. A second novelty is a soft sky blue, not the vivid cerulean of a summer day, but rather the soft tint of a misty day in autumn. The flower is clearly marked with a five-rayed blue star. Along a fence, where the perspective is to be emphasized, this would be highly effective. Use the deeper shades close to the observer, a mixture of pale and deep blue in the center, and the pale tint at the far end. This will create an illusion of depth and distance that will add hundreds of feet to the apparent length of the planting. Ipomoea Blue Star won an Honorable Mention in the All America Seed Selections for 1949. Another All America winner was “warmed up” from the beginning of the war. Hollyhock Indian Summer won a Bronze Medal, but because of wartime conditions, seed could not be produced in quantities large enough to introduce it. With the lifting of restrictions, enough seed was produced to permit introduction in 1949. It was developed from... (Continued on page 92)

Opposite: Selected for the 1949 All-America Awards were: 1, rose Tallyho for an unusual tint entirely new to roses—outside of petals crimson, inside pink and Tyrian rose. 2, rose Forty-Niner. 3, Silver Medal petunia, the most brilliantly hued bi-color ever introduced—rich yellow outside and vivid red inside. 4, Blue Star morning-glory, dwarf, pale blue, its radiations darker blue. Excellent for edging. An annual hollyhock, Indian Summer, not shown, also received an award. Miniature rose Red Elf, top of page, with flowers the size of a postage stamp, is a new crimson.
How research is contributing
to your garden

by MILTON CARLETON

In the past decade we have seen horticulture (once an ancient art, familiar to old codgers with hor­ny hands and sun-baked faces) become a science ruled over by bright young men fresh from academic halls. Unfortunately, many of the earth-shaking miracles announced with tremendous fanfare failed to do much more than stir up a faint dust. Even plausible discoveries have been over-exploited by faddists, or misused by careless, incompetent workers, to the discredit of the whole art. As a result we find that science and modern usages are apt to be suspect. The real truth probably lies somewhere between the blind, unreasoning zealotism of the organici­ulturist and the wild adulation of the scientific faddist. Rightly used, science can ease the load of drudgery that many feel is inherent in gardening. It can bring us richer harvests. It can save us money. Crab grass is perhaps the worst weed that disfigures the lawns of the country. After two years of testing, the phenyl mercury compounds look better than ever as crab grass controls. Sprayed on lawns just after germination of crab grass seed has started, and repeated five days later, a bottle of one of these phenyl mercury compounds will do an amazing job of cleaning out this pest. I have seen lawns where in the past the combined efforts of an entire family could not keep crab grass in check. Yet with two sprayings, complete control was accomplished in less than an hour's time.

That begins to sound like a real miracle. Hundreds of reports of failures, however, show that this is not a perfect, fool-proof operation. In almost all of the cases of failure I have studied, I found that the directions of the manufacturers had been followed, but the user had applied the solution with a sprayer, not a sprinkling can. Here I feel the manufacturer has been remiss in not explaining that these compounds work differently from the 2,4-D weed killers they superficially resemble. The phenyl mercury compounds are not leaf absorption hormones. Instead, they kill when absorbed by the roots of crab grass. The proper method of application calls for a drop that falls onto the soil and soaks in. Use a watering can to apply it, and results will be better. Pelleted seeds have been touted in the public press lately as the solution for many garden problems. The idea looks good on paper. By pelleting methods now in use, a seed the size of a grain of dust can be built up until it is as large as a pea. Since the coating is perfectly round, this pea-sized seed can be planted with mechanical equipment, and spaced (Continued on page 97)
These 21 steps make a garden path

by ARTHUR PRINCE

Dry, clean, paved walks improve the appearance of a garden. They give firm footing to wheelbarrows and other horticultural trucking. They do away with the incompetent old gravel path which is always weedy and allows mud to be carried into the house. Here, in 21 steps, is how you make them.

1. **MEASURE CAREFULLY.** Start by marking out the proposed path with pegs driven along parallel garden lines. Both edges must be absolutely parallel, so don't rely on your eye. Use a pole cut to the width you desire. A good average width is 4'.

2. **DIG OUT THE SOIL** of the old unsatisfactory path to 15'-18'. The latter depth is advisable in heavy soil. If the area does not become waterlogged easily, the foundations should carry away water. Otherwise, a drain pipe must be laid down the center.

3. **ON LIGHT SOIL,** there is no necessity for laying deep drainage (see steps for the drainage procedure), a depth of 9" will be sufficient. Next, clear the ground of all perennial or long-rooted weeds. If these are not removed, they will push up through the path, prove a perpetual nuisance. To be on the safe side, use a strong weed killer.

4. **A CAMBER** (convexity) is not necessary. Rake the base level, tamp firm, taking special care of edges.

5. **FOR DRAINAGE** fill in a third to a half of the excavated area with large broken clinkers, brickhats, hard rubbish, stones, etc. On top of this fill, to within 3" of the top, with coarse gravel or smaller clinkers. In this way basic drainage is laid down.

6. **WATER AND ROLL** each layer of drainage as it is put in, rolling the sides first, then the center. The path is now ready for a top layer of gravel. Roll but do not water this last wet gravel stick to roller.

7. **PERMANENT EDGINGS** are often required to help you keep the garden tidy, sometimes they are necessary to retain the soil. Lengths of lumber, 1" thick, creosotted, are a cheap and suitable material. Metal strips or bricks set lengthwise with ends touching are also efficient and inconspicuous. Fix the edges before you start filling in the core of rubble.

8. **THE EDGES** must be flush with, or slightly lower than, the grass, to facilitate easy mowing, and must be on the same level on both sides of the path. Use a straight edge and spirit level at short intervals.

9. **PAVED PATHWAYS** are without a doubt both useful and beautiful, and their popularity is not surprising. You can use natural stone that occurs in flaky strata or man-made stone such as bricks or cement.

10. **THE FOUNDATION FOR PAVED PATHWAYS** need not be so deep as for gravel paths. Ram the foundation down firmly and test it with straight edge and spirit level before commencing to lay the stone. Spread a 2" layer of sand over the hard core on which the stone surface is laid in various patterns.

11. **ON LIGHT SOIL,** a 2" layer of sand placed directly on the base, without the hard core layer, will be sufficient. This sand and the layers underneath, if any, must be made absolutely firm and level before the stone is laid, however, as it is very difficult to remedy deficiencies once the path is completed.
TO MAKE SURE that each stone lies firm and does not wobble every time you step on it, place small quantities of cement underneath each corner of the larger or underneath the center of smaller stones.

MOVE THE STONE SLIGHTLY to and fro so that it is firmly bedded on the cement. Test with a spirit level and if it is slightly out, knock more or less hard with the handle of the hammer. Always start laying the stones from both edges and fill in the center later. The crevices, especially in the center of the path, should not be more than one inch wide, or it will be difficult to walk on the path.

THE MOST POPULAR TYPE of paving is the so-called crazy paving. It consists of irregular pieces of stone of various sizes from 6" to 2", fitted together. Where the angles meet, large spaces are left between the stones in irregular intervals which give ample opportunity to plant rock-loving perennials. Keep the planting to the sides of the path so you can walk on it without treading on plants.

RANDOM PAVING consists of rectangular pieces of stone which should be laid in such a way that there is, as far as possible, no continuous line of cracks. All crevices should run either parallel or at a right angle to the edge. Occasionally, a small square may be left out near the outer edge for planting perennials. Where the path is much used cement the joints to give a surface free from raised edges which might trip you up on a dark night.

BRICKS ARE BEST laid on edge. After laying the pattern, dry sand should be brushed into the crevices and watered. Same rules apply to English pan tiles which are laid on edge on rolled sand.

VARIETY OF PATTERN can be made with bricks and tiles in combination or separately. The joints are either left open and filled with sand, or they may be cemented together. The open joints are better as water can escape easily and damage by frost is prevented. With cemented joints, a fall of 1" to 1' wide has to be provided so that surface water can run off as illustrated by the cross-section above.

CONCRETE IS AN ECONOMICAL material for a path, but if you want a pretty effect, do not pour it on the garden path as you would to build a roadway. Make concrete slabs and then use them like natural stone. Mix one part of Portland cement with four parts of sharp clean sand by shoveling it over several times. Then sprinkle water over it, a little at a time, and keep turning the material until mixture is uniform—dry enough so no water can be squeezed out. Mix cement on a wooden base.

THE CONCRETE MIXTURE is poured into a previously prepared frame with clean sand at the base. Spread it out evenly, 2" or 3" thick, smooth the surface with a wet spade, and let it dry for a few hours. Then it will have settled so far that you can cut it with a hand trowel to any size and shape. This relieves the deadly sameness of a cement walk.

AFTER TWO OR THREE DAYS the concrete will have hardened. Then lift the pieces with a spade, break them apart where necessary, and pile them up for another day or two for further drying, or until you use them. Don’t mix concrete in frosty weather.

TO THE MIXTURE you can add some tinting material, which enables you to get slabs of practically the whole color scale. In doing this not only do you obviate the glare of concrete in summer but you can also introduce all kinds of colored patterns.

STEPPING STONES may cross a grass area or rock garden or run alongside a flower border. Use any flat stones available—natural stones of irregular shape, random trimmed material, or square cement slabs. The diameter should be roughly 1'. Walk in natural paces along the grass where the path is desired and place pieces of stone on each footprint. Square cement slabs must lie accurately along a line, distances between slabs be exactly equal.
How to
garden in partial
and dense shade

Until they start studying its variations, beginning
gardeners may be bewildered by shade. Then a
whole new world of interests opens up. Roughly, shade
falls into two groups: partial and dense. Either of these
may be dry or wet, making for various combinations.
In each, families of plants find a congenial environment
because their ancestors have flourished in like conditions.
The shade of a house or the shade of a large tree may
create the problem. The shady spot may be marshland or
the banks of a tree-grown brook. Often wooded hilltops and
slopes defy the gardener’s efforts. First study the density
of shade. Is it continuous or varying, heavy or filtered?

Equally important is the nature of the soil you find
there, sandy or rich in leaf mold, alkaline or acid. These
conditions determine the plants to use. A soil-testing set is
the best equipment to take on such explorations.

The color of many flowers bleaches out in full sunlight
but remains brilliant in filtered shade. Common perennial
garden phlox is an example. The number of alpine plants
that seem to grow best in partial shade almost exceeds those
that demand full sunlight. Azaleas and broad-leaf evergreens
flourish and hold their color best where the shade is patchy
and the soil is acid.

The commonest shade problem of all is presented by
the area just under a tree. Maples are greedy and soon ex­
haust the soil. Use plants that grow in spite of this—pachy­
sandra or Japanese spurge, ivy pinned down to make a green
mat, and dry-land ferns. Let there be a touch of dampness,
and lilies of the valley, vinca and the various varieties of
funkia will succeed, furnishing both greenery and flowers.

Opposite: VARIETIES OF SHADE

This pool and woods in the garden of Mr. and Mrs. Rhodes Perdue,
Atlanta, Georgia, reveals several forms of shade: dense beneath
the trees, semi-shade on the fringe of the woods; shadowed damp
shade at the edge of the placid pool and dry on the ridge above.

ANNUALS FOR PARTIAL SHADE
Basket flower
Begonias
Chinese forget-me-not
Clarkia
Cockscomb
Cornflower
Drummond phlox
Lupine
Fancy
 Snapdragon
Sweet alyssum
Sweet sultan
Sumac

ANNUALS FOR DENSE SHADE
Coreopsis
Godetia
Lobelia
Pciriswinkle
Stock

PARTIAL-SHADE PERENNIALS
Anchusa
Beebalm
Cinnciflora
Columbine
Doronicum
Harebell
Hollyhock
Linaria
Lapine
Penny
Physostegia
Pulmonaria
Pyrethrum
Saxifrage
Silene
Turtlehead
Valerian

SHRUBS AND EVERGREENS
FOR SHADE
Glossy abelia
Azalea
Bayberry
Benzoin
Black jetbead
Blueberry
Box
Buttonbush
Chokeberry
Clethra
Alpine currant
Clove currant
Dogwood
Eucryphon
White fringetree
Inkierry holly
Japanese holly
Hydrangea
Hyperticum
Jery tea
Drooping leucothoe
Mahonia
Mountain laurel
Japanese pieris
Mountain pieris
Rhododendron
Shadblo\v
Snowberry
Curlleaf stephanandra
Sumac
Sweetshrub
Viburnum
Winterberry
Winterhazel
Witchhazel

Additional list on page 100
New tools that make light work of gardening

Lawns, hedges and flower beds look their best when tended by these modern implements.
The time to think about garden tools is right now when the garden lies dormant and you can get a long-range view of what you need and want most. There is a wide variety of improved equipment this year to make gardening painless—labor-saving, time-saving, motor-driven and manual tools. A dozen are shown here. In choosing, remember that the cost of good tools can usually be paid off in several years by savings made in a handy man’s time. A power mower, for example, cuts his time (and his day’s bill) by hours; or if you are your own handy man, it will save you from hours of grass cutting.

Heavy-duty Power Mower for large grounds, 24-inch cutting width. Pincor, $225 f.o.b. factory. Pump, plow, sickle, roller are extra attachments made for it.

Tractor-Tiller by Rolle conditions soil in one operation (no spading, discing, harrowing). Cultivates the soil, too. $194.50.

Lawn Sweeper takes up leaves, grass cuttings. Parker Yardgroom, $34.

Weed Sprayer on wheels. 18-inch spray, 4½-gallon tank. Hudson, $19.95.

More garden tools on page 101
Island living

In Jamaica: Queen Anne and spices...
In Nassau: paintings and palmettos.

More and more people are making the islands of the Caribbean their year-round home. Some of them live on the sparkling, reef-ringed aeolian deposits that comprise the Bahamas; others inhabit mountain-studded Jamaica (an island which is the result of a culinary-sounding geological occurrence known as mountain folding). None of them is camping out under a thatch of fronds, or eating out of coconut shells. To these islands, they have taken their most cherished possessions, their best bibs and bobs, their finest furniture, glass and china, their favorite paintings. A typical example, Mr. and Mrs. Ivor Bryce bought a Jamaican spice plantation in the hills above Kingston eight years ago. Now they live there all year round in an historic house built in 1760, which has been easily adapted to the exigencies of contemporary life. Mrs. Bryce uses the hurricane room in the center of the house as a sitting room and has opened up the rooms that formerly stretched across the front to form one vast sweep of drawing room. She has furnished her house with English pieces mixed with native copies of traditional designs. For information on how to get to Jamaica see page 96.

THE DRAWING ROOM runs the entire width of the house, has Jamaican cedar woodwork and English furniture, including a desk built for Carlton House in London.

THE DINING ROOM has walls dappled with china birds; Queen Anne sideboard by local craftsmen.

JAMAICA’S MANY WATERFALLS are a captivating part of the island’s scenic charm, as they cascade down the mountains to the sea. Here, on the estate of Mrs. Robert Lehman in Ocho Rios, one of them feeds a swimming pool.
The Bahamas, where life moves with casual grace from cay to cay.

La Playa, Nassau house of Mr. and Mrs. Albert E. Worswick

Delicate Colonial façade, reflected in a lily pond
Ocean-facing terrace, designed for sunlit hours
Drawing room with 18th-century English furniture

Tamarind, Nassau house of Sir Francis and Lady Peek
**ISLAND LIVING continued**

**The Bahamas** stretch like giant stepping stones from Florida to the islands of the Greater Antilles, and many who have stepped on them have never felt it necessary to step any further. Year after year they return to open up their houses, or to enjoy the hospitality of their favorite guesthouse or hotel; to live a life of charmed simplicity on one of the remotest of the islands, or to participate in the sophisticated ritual of Nassau’s winter season. The reasons for this unshakable devotion are not hard to find. Set like semi-precious stones in a luminous sea, the Bahamas have a crisp, clear charm of a kind you’re not apt to discover in your own back yard, but which can hardly be described as exotic. Part of this is due to nature’s neatness and part of it to the sensible trimness of British colonial architecture, which is capable of civilising even the most rampantly luxuriant landscape. If you think you’d like to savour the pristine qualities of the Bahama Islands yourself, please turn to page 96 to find out how best to get there.

![Dining room adorned with graceful Queen Anne furniture](image1)

**La Playa,** Mr. and Mrs. Albert E. Worswick’s house in Nassau, is a suave, attractive, one-story affair with classic architectural details and large windows, which look out over smartly tailored grounds to the ocean. The Worswicks bought their house three years ago, not realising at the time that it had been designed by the same architect who did their Palm Beach house, the late Maurice Fatio. Since then they have done quite a bit of work on it, converting a porch into a dining room, adding two bedrooms and servants’ rooms, rebuilding the kitchen and service quarters. In contrast to the light exterior, the interior walls of Florida cypress have been stained a dull green, providing a relatively formal background for their excellent collections of eighteenth-century British paintings and French prints. Most of these used to hang in the Worswicks’ London house in Carlton Gardens, which was destroyed during the war. The Worswicks brought to Nassau a number of pieces of fine eighteenth-century English furniture.

![Sir Francis and Lady Peek’s house](image2)

**Tamambo,** Sir Francis and Lady Peek’s house, is predominantly yellow, like the wood of the tree after which it was named. Set off by deep green palms and a periwinkle blue sky, it radiates a festive serenity. The outer walls, symmetrically arranged and decorated with a conch shell motif, were built in 1830; the inside, recently completely redone by the architect John Wolfe, includes in the hall a new staircase of Honduran mahogany, designed for Sir Francis by Mosko, a brilliant wood carver of the Dodecanese Islands in the Aegean Sea. Adding further luster to the hall are a pair of rare ivory chairs inlaid with ebony which are reputed to have been part of a group of dining room chairs presented to Lord Clive by the East India Company on his assumption of office as first Governor-General of India. Other exceptional pieces are the last two needlework carpets from Pontromoli, a drawing room mantelpiece, said to have come from a house in Berkeley Square, and two rare grape-patterned Yung Cheng bowls.
**FIRST FLOOR PLAN**

Sizable rooms are well related to each other and to gardens, entrances, service wing. Rooms on the garden side connect for easy entertaining.

**SECOND FLOOR PLAN**

Location of circular stair permits passage between floors without going through downstairs entrance hall. The main bedrooms overlook the garden.
With the planting fully grown, the exterior pleasantly weathered, the decorating completed, this house is **Better than when it was built**

Opposite:

A 10-YEAR-OLD HOUSE
THAT HAS MATURER WELL

Houses, like people, undergo a growing process. One test of quality may be how well they take the years. This little French house, formal but forthright, was built for Mr. and Mrs. Maynard S. Bird at Greenfield Hill, Connecticut. Their architect, Cameron Clark, and landscape architect, Louise Payson, gave them an excellent arrangement of rooms and gardens. The Birds furnished the house with distinction, landscaped the gardens delightfully over a period of ten years. The result today is a house which has grown in grace.

CAMERON CLARK architect

TIME can deal as kindly with houses as it can with people. It has certainly added much charm to this house which is at its best now—ten years after it was built. The texture and tone of its gray, flush board walls, black-shingled roof and louvered shutters have become better companions; full grown maples now silhouette the picturesque roof and chimney lines; rear windows reflect gardens and clipped lindens at their prime. The house is in the spirit of a small eighteenth-century manoir. Mrs. Maynard Bird is herself partly French, has traveled widely in France and likes the graceful details and proportions of the small houses at Versailles. As a former decorator, she felt that this kind of house, urbane yet at ease in a country setting, would be a good foil for the French furniture and bibelots that she admires and collects. She says that the house has worked well:—"We like the plan with many windows facing the gardens; each frames a view to enhance our rooms. The circular staircase, apart from the entrance, gives privacy and avoids drafts. The adjoining living and dining rooms make entertaining easy. The porch adjacent to the pantry makes it easy to serve meals outdoors. This has been a joy to us."
MAYNARD BIRD HOUSE continued

ONLY BRICK PAVING, FOUR POSTS, A TRELIS, WERE NEEDED TO FORM THIS DELIGHTFUL DINING TERRACE

The white wisteria-covered pergola, connected with dining room and pantry for convenient outdoor meals, makes a pleasant link between the formal French house and informal French style garden. Clipped linden trees are a backdrop for a succession of spring and summer flowers along adjoining walk. Espaliered forsythia screens service area. Landscape plan, below, by Louise Payson includes future planting.

The garden and the interiors of the house have acquired a pleasant patina.
DIRECTOIRE ANTIQUES AND DISTINGUISHED DETAILS IN THE DINING ROOM

Colorful old French paintings on three walls of this room, Savonnerie rug in cream, red-browns and blue, crystal chandelier with gazing ball, blue cabinet filled with rare china add up to a handsome room.

ENTRANCE HALL HAS GOOD WALL SPACE FOR FURNITURE

Semi-circular commodes have marble tops; French paper is gray, yellow.

ROSE-RED RUG, CELADON WALLS IN THE LIVING ROOM

Mme. Laetitia Bonaparte by a pupil of David hangs over a rosewood commode.
The core of this house is its kitchen

A new design trend puts the kitchen (once housed in a service wing) in the center of the house.

When servants were plentiful, kitchen, laundry and maids’ rooms were usually grouped in their own wing and visited periodically by the lady of the house. But Mrs. Lawrence L. Brotherton wanted her kitchen to be the pivot of her house, to facilitate her management of it. To this end a giant chimney jointly serves living room and kitchen as core of the house. The other rooms wing out from them, interrupted by a minimum of walls at wide angles, to give freedom of movement. Directly under the kitchen, the room for the GE furnace is reached by a spiral staircase in a hexagonal stairwell. The whole house has continuity, both as to plan and materials (the same ones are used indoors and out with special emphasis on the grain of vertical cedar wood, the rosy tones of old bricks combined with new ones fired to give them a purplish tone). Waxed concrete floors, in which radiant-heating pipes are embedded, are matched by the red linoleum in kitchen and laundry. Nowhere in this house are surfaces painted.
LIVING ROOM CHIMNEY of old rosy bricks interspersed with hard-fired purplish ones. This part of the core of the house shares the chimney with the adjoining kitchen.

THE DINING TABLE, clockwise around the chimney from the fireplace, makes a transition to the kitchen. Light wood furniture picks up the golden brown of kitchen curtains.

LAUNDRY WALL is of bottle green glass, bricks and cedar. Laundry equipment, Bendix; GE freezer in foreground.

THE KITCHEN has Monel Metal sink tops which take color from the cedar boards in ceiling and cabinets and the view beyond the windows.

KITCHEN WORK AREA is condensed for maximum efficiency and comfort. Range, Monarch; refrigerator, Frigidaire.

KITCHEN WINDOW VIEW is of a modern arbor, which repeats the materials and colors of the interior of the kitchen.
New color cues
for bedroom and bathroom

Last year—a straw in the wind; this year—a must: color has invaded bedroom and bathroom. House & Garden colors are to be found in sheets and pillowcases, blankets and bath towels. As a result, January “white” sales will be gayer and probably less white than before. Look for Sprout Green, because it is so sunny and because, surprisingly enough, it is as flattering to fair skin as to brunette. Try Citron Yellow, for its clarity and sparkle. Plan to have one bedroom and one bathroom Sweet Pink, as delicate as old-fashioned pinks, and subtler. Remember that you can use variations of our colors and consider the pale water-clear versions of Kingfisher Blue. Flame is effective as an accent.

Citron Yellow, clear and gay, has the quality of morning sunlight.

Sprout Green proves remarkably becoming for bedroom and bathroom.

Sweet Pink has more character than the older “baby pinks,” but is just as feminine.

Plan to dress your bed in colored sheets and blankets.

Whether you sleep in a four-poster like this (by Old Colony at Lord & Taylor) or one of modern design, choose House & Garden colors for sheets and pillowcases, blankets, blanket covers, spread, comforter. Sheets, Pepperell. Blankets, Chatham.
KINGFISHER BLUE FOR A BEDROOM

Chosen because it is infinitely restful in its paler shades or brilliant as an incidental note at the top of its form. It is cool, elegant and feminine (but not weak). Use this wonderful color for your curtains, carpets and sheets.

FLAME FOR A DRESSING ROOM

Chosen because it is the year's most successful accent color. Flame makes a dressing room lively, is at its best used in small quantities. Perfect for big monograms on big towels.
COLOR CUES continued

House & Garden colors for bed and bath

SPROUT GREEN Wamsutta Supercale sheets, Somerset towels, Springfield blanket and a bath rug by Callaway.

BRIGHT AND BOLD. Scotch plaid binds St. Marys blankets. Use them in a dashing room.

SWEET PINK, in Callaway bath towel and bath rug. Beautiful sheets, a Pequot pillowcase and Tavache "Perfumed Air Mist."

CITRON YELLOW, left, in a Chat­ham blanket, Pepperell sheet, Lenthéric sachet. Sprigged quilt.

TURQUOISE, right, for the first time in an electric blanket, Fieldcrest, Callaway rug, embroidered pillow.

PURPLE HEATHER in St. Marys blankets and a Cyrus Clark chintz. The Pacific percale sheets are white.
 Closet cue for your linens

Here's a new kind of linen storage: half-inch plywood shelves on metal brackets, which can be suspended from any wall. Its principles, long used by modern architects, can double your storage space in an already existing closet; its engineered dimensions will be useful if you're planning to build. Its table of contents (itemized list on page 111) will help you check linen and bedding replacements you'll be buying at this time of year. Details on how to build it on page 111. House & Garden designed the closet; see it at Macy's, in New York.

For shopping information on merchandise on the opposite page, see page 103.
Focus on the fireplace

Your fireplace is the traditional center of your house;

it sets the mood for the decoration of your room.

On these six pages, we present a variety of mantel treatments.

KEY A FRENCH PROVINCIAL ROOM TO A LOUIS XV MANTEL

This graceful marble mantel gives authentic line to the library of Mr. and Mrs. Charles H. Marshall’s country house. It dictated French Provincial paneling and a modern glazed chintz of French Provincial derivation on the armchairs. On it stand two bronze cows by the sculptor, Herbert Haseltine.

Opposite:

LINK YOUR FIREPLACE TO PANELING WITH A BOLECTION MOLDING

Brought from England, this classic library in the San Mateo house of Mrs. C. Tobin Clark has no shelf over the fireplace but a marble frame around it which, like the superb woodwork, is treated as wall surface. Portrait of Dr. Johnson is by Reynolds.
FOCUS ON THE FIREPLACE continued

CAPITALIZE ON THE CHARM OF NATURAL WOOD
Mr. and Mrs. Raymond E. Lee's warm, livable library is walnut-paneled, centers on a raw pine mantel carved with Federal eagles and shields.

CONTRAST WHITEWASHED BRICK, DARK BEAMS
The Erik Bollin's fireplace is framed by a prosenium of Provincial oak beams, is stepped up from floor level, has a simple shelf above it.

CREATE A SHADOW-BOX FOR A MOBILE
In Mrs. Francis L. White's bedroom, Elsie McNeil, Inc. used this black marble fireplace as a frame for Alexander Calder's black metal mobile.

POINT UP A PALE ROOM WITH A BRIGHT METAL MANTEL
In Mr. George E. Greene's apartment, Martini-colored walls, screen and carpet, plus blond furniture called for an animated center of interest. Mr. Greene chose a stainless steel mantel with a small hood. In summer, its bright reflecting surfaces make an effective background for green leaves or for flower arrangements.
SET A CLASSIC PEDIMENT OVER A GEORGIAN MANTEL

Dr. and Mrs. Harold Ruckman Mixsell live on Long Island, have a pale-carpeted white living room filled with greenhouse flowers and flowery chintzes. A good setting for day or night entertaining, its fragile charm is carried out by a broken pediment overmantel and restrained paneling.

MIRROR AN EMPIRE MANTEL

In Mrs. Arthur H. Kudner's turquoise living room, decorator William Pahlmann emphasizes a white marble mantel with floor-to-ceiling mirror.

ACCENT WITH A DIRECTOIRE MANTEL

In Charles H. G. Thompson's sophisticated living room, this black marble mantel dramatizes a scheme in olive-green, snuff-brown and gold.

SET A VICTORIAN MANTEL ON A STEP

In Mrs. Wellington S. Henderson's bedroom this small Victorian mantel with cast-iron facing is placed off-center and stepped up from the floor.
Too often mantel decoration tends to become cliché. Here are five arrangements that avoid being trite.

CREATE AN OVERMANTEL OF PICTURES
Instead of the standard treatment of framed mirror, a pair of ball andirons and candlesticks, left, why not make a geometric grouping of shadow-boxed figurines as shown above?

UNEXPECTED

BRASS CHESS KNIGHT ANDIRONS, $125, EDWIN JACKSON

USE UNEVEN HEIGHTS, DISPARATE SCALE
Higher at the sides than in middle, this group of appliqués, antique barometer and diminutive bronze busts has an eye-arresting quality not present in the arrangement, left, of pier glass, clock and standard pair of matched cachepots.
MIX PERIOD PIECES WITH MODERN PAINTING

For a typical Early American mantel, you might choose a classic primitive painting, milk glass and vases full of rushes, above, right. But there is as much harmony and considerably more interest in the surprise effect of a modern painting, English porcelain and French Provincial furniture, as above.

A FRAMED COLLECTION LOOKS MORE IMPORTANT

Above this antique Federal cherry and burl maple mantel a group of small portrait medallions and mementos counts for more if assembled in one frame rather than spotted at random (above, left). Such an arrangement will set off a handsome ornament or fine porcelain.
Your patio is an outdoor room

Decorate it as you would a living room, but bear in mind that nature supplies pattern in branch and leaf and flower and that white is wonderful with green.

On pleasant days, your patio is an outdoor room to be lived in from early morning till long after sundown. It merits attractive decoration, comfortable chairs and sofas, an ample table, good lighting. White sets it off beautifully. Mr. and Mrs. F. Cecil Baker’s patio on the St. Lucie River estuary in Florida, below, is framed on three sides by the white walls of their house. Palms offer partial shade into which furniture on wheels is rolled; clustered potted plants provide flowers through the year. For Mr. and Mrs. George L. Coleman, Jr.’s house at Pebble Beach, California, decorator Frances A. Elkins chose white painted wooden furniture, upholstered in brilliant poster colors. Exotic native plants flourish in brackets on the wall and in pots on the tiled floor. Palms and tall shrubs grow against the white walls and in archways of Channing Hare’s loggia at Palm Beach. At Locust Valley, Long Island, Mrs. Harold Ruckman Mixsell combines rattan and iron furniture, painted white, upholstered in plain, dark blue duck. Opposite, four patios suggest decorating ideas for you. Shopping information is on page 93.
Points of the compass

The location of your patio (terrace or yard) makes a vast difference in what you do with it. South of the Mason-Dixon line, let flowering shrubs set your color scheme with romantic, antique-bellum furniture like Molla's to key the tempo of your living. In California and at the desert’s edge, be uninhibited in your use of color, modern in your choice of furniture. California's talented designers, Van Keppel-Green, have fashioned excellent furniture for you. From Maine to Mississippi, an eclectic scheme of crisp white contemporary iron furniture by Salterini and sharp color accents makes a lively setting. In Florida or Connecticut or Texas, rattan furniture, Ficks Reed, can create a leisurely, British Colonial charm on your terrace.
Time mellows this modern house

House & Garden is often asked by its readers: "Will a modern house wear well? Will I like it as well in 10 years as I do now?" We believe that any well-designed house is bound to grow in your affection as its gardens mature and its rooms become stamped with your personality. As a case in point, we photographed a 10-year-old "modern" house in Lincoln, Massachusetts, and asked the owners, Mr. and Mrs. Walter Gropius, how they like living in it, if window walls, solar heating and flat roofs have stood up under wear and weather. Their comments and criticisms (here and on the next four pages) are doubly illuminating for as architect and owner, Mr. Gropius knows every facet of his house. For more information about this house turn to page 112.

1938—We had just moved in

Ten years' experience
with our own house
by Walter and Ise Gropius

A GREAT Deal of the charm of old houses is certainly due to the mellowing effect of time and of their well-established gardens. Modern houses are often photographed and published right after their owners have moved in. They are bound to look bare. It is obvious that the house and its surrounding landscape need years to come to terms with each other. The appearance of our own house in Lincoln, Massachusetts, has changed within ten years because the landscaping and gardens have had time to grow up to our original plan.

The house is opened up to take in a part of the surrounding areas. Nor does it end at its enclosing walls; it reaches out with "tentacles" of trellis, low walls and planting designed to delineate the outdoor living spaces and make them a part of the over-all composition. This way, gardening assumed a new importance. Our garden projects itself constantly into our consciousness and we are more aware of its features than we would be if we only got an occasional glimpse of it through small Georgian window panes.

We opened the house to bring in part of the surrounding garden. There is no separate outside and inside world.

Opposite

Landscaping and garden have had a chance to develop; the house has mellowed and worn well.

1948—What a decade has done for the appearance of our house
THE HOUSE plan responds well to the various claims of family life. It had been planned from the beginning not to create a “picture” or to perpetuate a status quo—however charming—but as a living organism, ready to serve as background for constantly changing activities. We think that the house fits us like a sweater, except for the kitchen which does not now quite answer our present requirements. It was laid out under the assumption that we would have a maid. But as servants often create more problems than they solve, we find that the maidless household suits us better.

We now wish we had a broad counter between kitchen and dining room which would permit the family or guests to serve themselves conveniently and allow for a more open communication between the living area and the kitchen. The Kliegl light in the ceiling above the dining table is most successful. Even simple glassware and pottery look glamorous in the brilliant pinpoint illumination. Attention is centered on table and food, while the eyes remain protected from the glare.

![Summer-night parties on the roof deck, shown above, breakfasts in the morning sun on the porch, shown below—all this brings to our home life many of the thrills for which we used to travel far and wide.](image)

The large screened porch, extending out from our house at full length, has become the main living and dining space during the summer. It catches both eastern and western breezes and has a sheltered, glassed-in corner.
Clapboard and brick, wood-frame construction and the demands of the New England climate form a regional tradition which was made a part of the design; but it is not a dry imitation of what has been in the past.

The large window walls are a most desirable asset we have found. They establish the outdoor-indoor relation of our living space throughout the year. They provide a view of a natural stage on which the dramatic events of nature entertain us from morning to evening, summer and winter. There is nothing like watching a blizzard through 12-foot wide glass panes while sitting cosily at the dining table.

WE MOVED into our house a few days before the great hurricane of September 1938, which put it to a severe test right away. The porch screens were torn and part of the trellis loosened, but everything else, including the large glass panes, remained intact. The flat roof was not affected, whereas pitched roofs all over the region suffered damage. Also in subsequent heavy blizzards throughout the years, the flat roof never developed a leak. Since the slightest air current blows snow off the roof, drifts have no chance to collect. Pitched roofs pile up snow on their wind side; then the snow comes down in avalanches or forms icicles which are often dangerous. The inside drain for the flat roof works perfectly. It is warmed by indoor temperature and cannot freeze.

The real drawback to living in our house in Lincoln, is the fact that we have largely neglected traveling. We have become home addicts and it takes a major effort now to tear us away.
We have often been asked, "Why have a fireplace in a modern house where it obviously is not needed for heating?" Our answer is that we enjoy it. A sweet-smelling wood fire is a luxury we should hate to dispense with for its beauty and relaxing qualities.

The floor plan of the house was designed for freedom of motion from one room to another and to the out-of-doors. Throughout the years the house has responded well to almost every need of our family. The kitchen and service areas were designed to be run by a maid, but we have discovered that a servantless household is more to our liking.

The Old Colonial tradition of a central hall is pleasant and appropriate today. It eliminates corridors, and from it we can reach every room. The clapboard is a time-honored material, used in the region over a hundred years.
How to stretch inches

Here is furniture that gives you the charm of tradition plus the benefits of storage space engineered to modern standards.

Till very recently, many people found themselves between Scylla and Charybdis when they started to decorate. Would they choose modern furniture with its wonderfully planned storage facilities? Or would they have traditional furniture with its traditional (and often inadequate) storage arrangements? Today, they can choose whichever style they like best without having to make a sacrifice. This is possible because modern design thinking is being built into chests, tables, desks and night-stands in the eighteenth-century style. An outstanding job has been done by the Grand Rapids Chair Company. On these four pages you will find fine mahogany pieces, distinguished by their grace and good workmanship. They are a living example of an old maxim: beauty is as beauty does. They are good to look at and even better to live with. Internally, every inch has been charted to serve you. First the designers took inventory of the average possessions of an average family; then worked months to find the most logical ways to store them. By subdividing each cabinet and tailoring each drawer to a specific purpose, they have made it difficult to be untidy. You will not be tempted to toss handkerchiefs in the shirt drawer and you will find it impossible to put place mats where the silver ought to be. But the designers have also managed to combine orderliness with flexibility, so that the pieces you buy when you live in a small apartment can move right along with you when you move into a larger place. Today's desk can become tomorrow's dressing table. The compact dining table opens up to fit the new dining room. The buffet-bureau you use now in your living-dining room can be moved either to dining room or bedroom when you expand. A modern counterpart of this period furniture will appear in HOUSE & GARDEN for February.
In a large living-dining room

An oval dining table (60" x 46", $225) is set in the window with a large butler-buffet (64" x 23", $535, shown close-up below) on the adjoining wall.

The room, sketched at Macy's, New York, has a spacious look, is actually a model of good storage.

For serving: a tea cart

It takes little room (36" x 20"), has a drop leaf which enlarges it to 36" x 38", costs $95. Accessories, Georg Jensen Inc., Bergdorf Goodman.

With almost the capacity of a butler’s pantry

Silver in top drawers, linen in lower drawers, china, bottles, extra leaves for the dining table are stored in this butler-buffet, 64" x 23", $535. Accessories: "Tradition—or else," Schoenfeld, Georg Jensen, Lehmann.
As a bedroom dressing table

Its nine drawers and compact size (48" x 20") make this piece particularly useful in a bedroom for cosmetics and gloves, handkerchiefs and all the small things which need to be filed separately for the sake of neatness. $250. The accessories are French touched with gilt, from Macy's, New York.

One bureau-buffet replaces two bedroom chests

Better than two separate chests, this bureau takes up only 60" x 22" and has a bank of small drawers in the center, the lowest doubly deep. Here is ample space for all the clothes a couple does not hang in the closets. It is mahogany, costs $345. The bedroom shown is by Macy's, New York.

One bedside table for two

Set between black lacquer beds touched with gold ($130 each) the night table (20" x 16", $100) has, in addition to its shallow top drawer, a pull-out shelf, room for a radio or for books and an extra deep bottom drawer. This gives you space to keep your cosmetics or an electric pad out of sight.

... or a desk in the living room

The dressing table, left, used as a desk, need not be set against a wall, since the back is finished. On it, a silver lamp from Macy's, accessories from Georg Jensen Inc., New York. Directoire armchair, Edward Garratt; rug, James Lees & Sons. French wall shelf and china, Bergdorf Goodman.
Don’t use horse-and-buggy thinking in planning your garage

Where to place it: The garage should be an integral part of your house, not a casual afterthought. It should be placed where it works best with your house plan and your site plan. In general, putting it at the front or side of the house is good. It will be convenient to the street and, if you connect garage and house with a roofed passage, you will be sheltered in bad weather. This location can also minimize the length of the driveway you must build, maintain, and keep clear of snow. At the same time, it allows for off-the-street parking without cutting up your whole lot. Your garage can help to screen your house from the street, too, and add privacy, a great boon if you have wide front windows. But be warned; some communities prohibit front garages, or specify how far they must be set back from the street. A side garage can help to fence off your service yard or screen your house and garden from neighbors. If your lot faces north, placing the garage before or beside the house can give protection and also save the south side for maximum sun, garden and outdoor living. An attached garage, connected to the house by a porch, a covered passage or a service wing, will give decorative lift and won’t rob you of any windows and exposures. It often improves the appearance of a small, one-story house (though naturally, it costs more than if one garage wall were a joint wall of the house). A garage built into your basement is possible if you have a sloping lot; it saves extra foundation costs and land, cuts off no exposures. A separate (Continued on page 87)

Plan it for more than car storage

CABINETS AND CUPBOARDS, in sizes that specifically fit garden equipment, paints, tools, and other gear, can make the garage a well organized utility room instead of a catch-all. At left is gardener’s workbench and storage. At rear, cupboards for luggage and dead storage and insecticides, use waste space over car hoods. At right, closets for power tools, screens, etc. Generous floor space is allowed to get around cars.
Place it to make best use of your lot

GARAGE AT FRONT screens service wing from street, house and patio from north. Little drive to build, keep up.

GARAGE AT SIDE. Here's how the garage can be both a decorative and functional asset to a small house. Its recessed entrance, trellis treatment dress it up. It is handy to all parts of house, connects to service and front entrances, adjoins service wing, shields service yard, permits some front-of-the-house parking.

GARAGE AT BACK. Placed on north and handily connected to service wing, it saves south side of house for gardens.

Equip it for easy operation

AUTOMATIC CONTROL OF DOOR. You can open or close your garage door, turn lights on or off, without leaving car. Radio control, electric connections do it.

HANDY MAN'S WORKSHOP: No feature is more welcome to the skilled man of the house than a well organized workbench of his own. A location next the garage, often a quiet spot.

GREENHOUSE ADJOINING GARAGE. A small lean-to greenhouse (available in ready-made, easily assembled unit) adds light in garage, is handy to garden.

SNOW-MELTING SYSTEM: No need to shovel snow or ice from your driveway if you install hot water or steam pipes in it. They can be connected to the hot water or steam-heating system in house.

HOUSE & GARDEN, JANUARY, 1949
Living room vs. room for living

This couple's space problem

is so common among young marrieds

that House & Garden decided to solve it.

Mr. and Mrs. Harold Olson live in one of a row of neat
little houses in Bayside, Long Island. A low rental
(the Olsons are buying their house at the rate of $75 a
month) repays Mr. Olson for the hour's commuting trip
he takes every day to get to and from his office in the
architectural firm of Skidmore, Owings & Merrill. Since
Mrs. Olson majored in design at the University of Southern
California, she is interested in the looks of her rooms.
Her knottiest problem is what to do with the tiny spare
room, 8 by 12 feet, which contains two chests, a chair and
a box spring and mattress (plan A) that will shortly be

THE HAROLD OLSONS and daughter Kristine in front of their house
needed in the child's room by their 15-month-old daughter, Kristine, who is fast outgrowing her crib. Mr. Olson has had his eye on this tiny room for the drafting he often has to do in the evenings (he sometimes does free-lance work). As they have many visitors from the West Coast, where they originally met, they would like to be able to put up an occasional guest. Here is HOUSE & GARDEN's advice to them (see plan B): buy a Simmons studio couch that opens out into a double bed. Place it in the near corner to make space for an L-shaped shelf with built-in drafting board whose oblique angle will minimize the room's narrowness. Under this shelf, side by side, fit the pair of chests to form an efficient dressing table with the addition of a wall mirror. Lastly, use a standard filing cabinet as a sofa end table which will hold work papers and keep the room ready for 24-hour duty. For other space-saving beds which can help you to solve parallel problems, turn to page 110.

A 24-HOUR-DUTY ROOM. Covered in La France's "Satin Stripe," the studio couch costs about $240. Mr. Olson, who is expert at home carpentry, can build the shelf himself. The swing-arm Hansen lamp costs $38, lights the new dressing table formed by the twin chests and drafting board. African-inspired mask was designed by Mrs. Olson.
Canadian Wonderland

About the time the Pilgrims were busy establishing Plymouth Rock as an American shrine, the first French colonists were roaming the St. Lawrence and cutting the first settlements out of the Canadian wilderness.

Joined by a never-ending ribbon of over 125,000 miles of land-surfaced roads, and many more miles of improved roads, are Canada's unique cities... Charlottetown on Prince Edward Island, the cradle of Canada's confederation; wall Quebec, with its steep, crooked streets and massive battlefronts; or Montreal, the largest French-speaking city outside of Paris, and Victoria which is reputed to be more English than any British town.

Winter sports have steadily grown and flourished and with the falling of the first delicate white flakes each winter, Montreal and Quebec pulse with a renewed vigor as they take their place as winter sports centers. Dozens of ski-trains and many miles of ice- and snow-free Laurentian highways transport gregarious and sports-hungry vacationists to the cozy ski lodges and modern hotels that are tucked away throughout this vast winter vacation area. Within easy reach in this Canadian Wonderland.

**ARIZONA**

**TUCSON**
Santa Rita Hotel, 250 rms. Tucson's Social Center; Western Hoop & Atmosphere; Superb cuisine; Famous Dance Bands, Polo, Golf, Nick Hall, Mgr.

**ARKANSAS**

**HOT SPRINGS**
Arlington Hotel & Baths

**CALIFORNIA**

**LOS ANGELES**

**CONNECTICUT**

CANDLEWOOD LAKE, DANBURY

**FLORIDA**

**BELLEAIR**
The Belleview-Biltmore
A complete resort hotel with distinctive club atmosphere. Beach & Cabana club; Pool and Surf bathing; Championship golf course, tennis, fishing cruises, dancing nightly, American Plan, $12 and up Per Person Daily. For Reservations or Brochure, write Don Church, Mgr. The Belleview-Biltmore, Belleair, Florida.

**BOCA GRANDE**
Boca Grande Hotel & Club

**MENLO PARK**
The Bellevue-Biltmore
A complete resort hotel with distinctive club atmosphere. Beach & Cabana club; Pool and Surf bathing; Championship golf course, tennis, fishing cruises, dancing nightly, American Plan, $12 and up Per Person Daily. For Reservations or Brochure, write Don Church, Mgr. The Bellevue-Biltmore, Belleair, Florida.

**FLORIDA**

**DELRAY BEACH**

**FORT LAUDERDALE**

**MELBOURNE**
The Belcourt
Located directly on the Ocean Front and 27th Street, A Rooseveltian's Paradise. Idyllic, Bnflid. Monticello, an ideal year 'round vacation spot. Large Private Beach. Excellent Cuisine. All rooms with bath and shower. Definite Reservations are necessary. American Plan only.

**MARCO ISLAND**
Marine Terrace Hotel
Located directly on the Ocean Front and 27th Street, A Rooseveltian's Paradise. Idyllic, Bnflid. Monticello, an ideal year 'round vacation spot. Large Private Beach. Excellent Cuisine. All rooms with bath and shower. Definite Reservations are necessary. American Plan only.

**Palm Beach**
The Palm Beach Ambassador
New this year. Only apartment hotel on Ocean Beach. Also on Lake Worth. Waterfront view from every room. Suites with 1, 2 or 3 bedrooms, foyer, living room, dining alcove, kitchen, bath. Garage. The ultimate in luxury. Travel agents or write John M. Duff, Jr., Mgr., 3400 S. Ocean Blvd., Palm Beach, Fla.

**Stevie Augusta**
The Manor. Fine small hotel. Good food & Service. Low Amer. plan rate to weekly or season guests. Interesting winter community. Golf, Foliage.

**St Petersburg**
The Vineyard Hotel. Largest, finest on West Coast. 370 rms. Faces Tampa Bay, Gulf Beach Club. Refs. each. Sterling R. Bemson, Mgr.,Dir.
PLANNING YOUR GARAGE

continued from page 33

garage, at a distance from the house, is usually inconvenient though some sites dictate this arrangement. Located near the house, near the house back from the main road, it may save driveway and maintenance expense but trudging between house and garage in bad weather is seldom fun. Corner lots give you many more choices. A garage at the rear of a corner lot can be easily accessible from a side street. This is not possible on an inside lot.

HOW TO PLAN IT: The cubic foot cost of garage construction is only about half that of the house. So it is a good idea to make this less costly space large enough to store cars efficiently and other things as well. You can use it for workshop, hobby room, gardener's bench, and extra storage.

The absolute minimum inside space to hold a single small or medium sized car, stored to 10 feet wide by 12½ to 14½ feet high, will give you some clearance at the front, back and side of the car, and let you open car doors satisfactorily on one side. For larger cars you need 10½ to 11½ feet width. 14½ feet height. You would have to add 2 to 3 feet at sides or back of the garage to build in storage cabinets, work bench and other conveniences.

A two-car garage is the best bet for most households. It should be at least 19 to 20 feet wide by 22 feet long to take standard cars and give you enough space to avoid bumping walls and car and to get yourself in and out of the car comfortably. To include storage units and other desirable features, you must make these inside dimensions larger. Automobiles are less than 6 feet high, so a 7½ to 8 foot ceiling is feasible.

We should like to make a special plea for better looking garages, inside and outside. They need not be the calash-alls they so often are. With the kind of specifically organized storage we show on page 82, they can be neat in appearance and easy to keep in order. Garden tools and paraphernalia may be kept in cabinets and closets sized to their exact measure. In this way valuable power mowers and other electrical equipment are better protected and may be found, or the receive repair, or kept open, or hold open, two swinging doors to get your car in or out. In winter it is less of a problem to shovel snow away from the door to open it. You operate such doors from outside or inside with little more than a turn of the handle or slight lift because the hardware that controls it does its job without you no matter how heavy the door. Such hardware can be applied economically to old garage doors of different sizes as well as to new ones, or custom ones. Lightweight metal doors, as well as wood ones, are among the attractive new, weather tight, ready-made designs available.

Automatic operation of the garage door can be controlled from your car. You press a button on your dashboard and the door opens or closes itself. Lights in the garage may be turned on or off as well. No car need fear control the door because the sending mechanism in your car and the receiving mechanism on the door is tuned for radio frequency. There are several types of such automatic controls. The radio control just described has a receiving coil located in the driveway over which your car must pass. Another works by electronic impulse within 30 feet of the garage door. Others use a switch beside the driveway which the car driver operates from his seat. Still another has an electric eye arrangement.

Hot water or steam pipes installed in your driveway will end forever the chore of shoveling snow or removing ice from your garage. They can be connected to the hot water or steam slab of a driveway or in a driveway made up of two narrow tracks for the car to pass over. Such a snow-melting and ice-melting system can be connected to the regular hot water or steam heating system of your house. Unless your outside driveway is very large your heating plant should take care of it too. Or you can install a separate heating coil for the snow-melting job.

JANUARY, 1949
Almost a century ago, Brown Company of Berlin began as a sawmill on the banks of the Androscoggin River. In 1888, the firm built its first pulp mill and four years later its first paper mill. The concern, northern New Hampshire's largest industry, maintains an extremely active research department, whose efforts, combined with the technical "know how" of the production departments, contributes much to the excellence of the company's products. Brown Company is noted for sulphate and sulphite pulps, papers, Nibroc paper towels, a leather substitute known as Onco, and Solka-Floc, a filler used in the manufacture of plastics, rubber products, and adhesives.

Because we are interested in the promotion and protection of all quality New Hampshire products, we are pleased to recognize one of the leaders.

MECHANICS OF LIVING

You'll have a more carefree, more comfortable house with these new products, ranging from plastic flooring to a panel heater.

**PLASTILE** is a floor tile of vinyl plastic inseparably bonded to resin-impregnated cork. Composition makes it resilient and quiet to tread. Non-porous surface resists dirt or grease absorption and is easily cleaned. Made in individual tiles and in sheet form 7/8 inches thick, it is available in a wide range of solid colors or marbled patterns. U. S. Stoneware Company, Akron, Ohio.

**KRYLON** is a water-clear plastic spray you apply as protective coating. It helps surfaces resist water, acids, oils, grease, alcohol. Use it on brass, chrome, copper, book bindings, jewelry, parts of cars and boats and countless other objects. Seals against air, dirt, moisture, resists rust, tarnish, corrosion. 12-oz. can is sprayer, $2.95. Fester and Kester Co., N. Broad St., Philadelphia, Pa.

**ELECTRIC HAND TOOL** polishes furniture, car, linoleum; removes old paint, rust; sands floors; sharpens garden tool blades; hones wood; drills metal; grinds glass. Basically a grinding and polishing tool, optional equipment converts it to buff polisher, a drill, paint mixer, stone and metal cutter. Other attachments too, $44.50, Porter-Cable Machine Co., Syracuse, N. Y.

**RADIANT GLASS HEAT PANEL** is 3/4"-thick sheet of tempered glass (in aluminum frame) with aluminum alloy grid. Glass radiates heat when electrically connected grid is switched on. Thermostats give individual control in each room. Panel needs no pipes, heating plant, 220-volt panel, $45; thermostat, $22.50. Continental Radiant Glass Heat Corp., 521 3rd Ave., N. Y. C.
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You'll probably find Shasta the most completely satisfactory garden pea you have ever grown. That is our own opinion of it, and we ought to know better as one of our seven plant-breeding stations works on nothing else and our pea seed crops cover 50,000 acres of the west. Shasta plants are of medium height, with resistant and very prolific pods, and the peas rate highest in sweetness and texture - delicious either fresh from your garden or freezer. We are proud of Shasta, one of our best introductions since we began in 1856, and we know you will enjoy it.

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SOW Asgrow SEEDS
must be grown from divisions to be true, it takes time to build up a stock. Among the best new sorts available in fair quantity is Crimson Giant, a hybrid which is four feet in size. Helen is the best double pink we have tried. A glorious blend is the semi-double Rose Mist, a carmine and silver-dusted beauty. All these are hardy.

A plant for every garden is Lythrum virgatum Sweet Scent. Its rich purple flowers of velvety crimson-scarlet on a plant a foot and a half or less in height, divide it every third spring and don’t let it get too dry; peat may be used in light soils. The photograph is that of the hardy Penstemone Rose Elf, a three-foot version of the lanky P. barbatus, bearing spikes of clear rose from June to October. Glossy foliage adds to its charm.

Just a few words about Geum, the lovely avens of the strawberry tribe. The richly colored sprays, usually two feet high and interesting large leaves are admired by all, but many gardeners lose their plants every year. If that has been your experience, try Dolly North, orange-yellow; Princess Juliana, yellow; Fire Opal, tawny orange; or Willow Ruby, dark red. These will stay with you and bloom over a long period.

Dark blue spikes from July until frost appear on Veronica Blue Peter, a stunningly beautiful form of V. spicata. A hybrid of V. spicata and the late blooming, dark blue V. subsessilis is the new Blue Champion. A sturdy two-and-a-half-foot plant, it blooms from May and after V. subsessilis, from July to October, bearing clear blue flowers on long spikes.

Irises and poppies may need a specialist to appreciate them properly. To us,iris Great Lakes is a beautiful light blue and the Curtis Giant poppies have a promising future. Lilies also have marvelous new hybrids coming on, especially from Oregon. However, we should mention the Crocean strain of Lilium regale for its later bloom, huge flowers and notable petal texture. L. cristata, a more slender flower than regale, also has fine, feather-y petals. A truly hardy Scabiosa from Vermont is the Blue Snowflake plant, a blue light blue, long in bloom. Since it will not come true from seed, it will never be over-abundant. Another partial shade lover, Astilbe javan, has a glowing red spike 10 inches long. The feathery plumes are magnificent in rich moist soils.

About July the old hardy Platycodon, or balloon-flower, starts its blooming. You can now have it in double flowers almost like a garden daisy, true in color, to white, shell pink, blue and lavender. Perhaps Bristol Belle, the double lavender, will be the most popular of this trouble-free group. Shasta daisies have always been popular, but it seems as if the more ever-blooming and double they become, the more their hardiness leaves them. Now available, to some extent, is Shasta aglaja, a large, long-stemmed, fluffy hybrid of the almost fall double Marconi type. It has wintered successfully even north of Rochester, New York.

The vigorous old conflower, Rudbeckia Golden Glow, which casts its sinuous stems of shaggy yellow over most American farmyards, now has a more refined offspring, Golden Globe. The flowers of the latter are more symmetrical, but it will probably be just as invasive. It should prove useful for semi-wild plantings. A non-weedy Rudbeckia is Bright Star, a superior coral-crimson daisy of good size.

Phlox is a summer standby, and the new rich red Charles Curtis promises to become popular. But be sure you get the true variety, as some nurseries are unwittingly selling Spirea under that name. Spirea, also sold as Frau Anton von Maunten, Orange Beauty and Free Netherland, is also splendid. It is a glorious, non-fading salmon-orange, but hardly the sun-shy of Charles Curtis. Purple Heart is a rich, velvety purple phlox, effective in combinations with yellow. Pinkette is a very light pink that is finding increased favor. From Holland comes Mies Copijn, light pink with a red eye. As yet it has not been re-named for American trade.

While not altogether new, Echinops Taplow Blue, a fine new globe thistle, is still rare in gardens. Its large, round flower is bluer and is generally better for cutting or drying than the older forms.

Toward autumn, we see the sneezeweed, Helenium Sunburst, as a good clean yellow, only two-and-a-half-feet tall. Among the new asters we have notably the British group: Peace, a large silvery rose; Plenty, a lovely large light blue; Prosperity, the third member, an undecided pinkish redder of doubtful beauty and no special merit. A nice dwarf which seldom grows over 18 inches tall is Little Red Boy, about as clear a red as the genus boasts. Very late in the season is Blue Cloud, a medium blue, usually not in bloom until October 15, but frost-hardy.

It was a privilege to see the new anemone, Kriemhilde, last October. It is a beautiful blend of creamy pearl-pink, and a lusty grower. The stems were the thickest ever seen on an anemone in this section, and lend character to the plant.

The season usually closes with chrysanthemums, which are now ready in great variety. One of the best is Carnival, a huge double, almost orange in color. Tapestry, also very large, is a pink aphis-sold-for-red chrysanthemum, opening eggshell yellow, and ending pure white, with a startling red eye. For cushion chrysanthemum lovers, Red Cloud, with two-and-a-half-inch flowers of velvety crimson-scarlet, looks very promising.


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One plant each of these prize-winning roses would cost $7.00 if purchased individually—
you save $1.10 by ordering all three NOW!

Forty-nine
1949 All-America Winner

There’s a thrill in store for you when you see the first flower of this spectacular new bi-color in your garden. Sparklingly brilliant in its contrast, the inside of the petals is a vivid Red, while outside they are Chrome to Straw Yellow. Blending beautifully, the vivid colors retain their richness until the last petal falls. $2.50 each...3 for $6.30.

Tallyho 1949 All-America Winner

New in its unique coloring, yet charming with its wealth of old-fashioned fragrance...Tallyho was judged the finest for 1949 by experts from coast to coast. The soft pink of the inside of the petals blends pleasingly with the deep Cardinal Red of the outside. Long, tight buds open slowly into large full blooms. An easy-to-grow plant. $2.50 each...3 for $6.30.

Taffeta 1948 All-America Winner

The delicately blended pastel hues of Taffeta range from red through salmon to a delightful peach tone. Perfet buds on long stems, great vigor of the plant and outstanding success in gardens everywhere made Taffeta the outstanding new rose of 1948. $2.00 each...3 for $5.10.

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I enclose check or money order (no C.O.D.’s). Please send me, at correct planting time for my area, the following:

- Forty-nine @ $2.50 each...3 for $6.30
- Tallyho @ $2.50 each...3 for $6.30
- Special All-America after...one each of Forty-nine, Tallyho and Taffeta @ $5.90
- Taffeta @ $2.00 each...3 for $5.10
- FREE 1949 Rose Catalog

Name...
Address...
City...State...
ADVENTUROUS GARDENER
continued from page 40

Indian Spring, which came in clear rose only. Indian Summer is a mixture. It blooms in reasonable profusion on a plant five feet tall.

Another near-casualty of the war was Liliwm philippinense Snow Drift. Like the familiar Liliwm regale (now called L. formosanum by the botanists), it is easy to grow from seed. Good blooms can be expected in 10 months. It is August-flowering. The color is much whiter than the parent, and as many as 12 long white trumpets are borne on a single stem. The individual flowers are about six inches long.

A lily that can be grown from seed solves the problem of disease control. In most areas, the common tiger lily plays Typhoid Mary and infects all other members of its family with mosaic, though the tiger lily itself is resistant. Lilies from seed do not have mosaic, and if they become infected later, can easily be replaced by a new crop from seed.

Another plant from the wilds, new to all but the botanist, is the sunflower Silver Gold. Under ordinary cultivation its height is six to seven feet. Its leaves are covered with a whitish down or silvery pubescence. The individual blooms are four to five inches across, and, surprisingly enough, make excellent cut flowers. I recommend this wherever a tall background plant is needed.

A Scotsman in California has perfected a super-large-flowered lily. In size, quality and color range, it is superior. Violas should be more widely grown; they keep blooming under conditions where other plants do not.

Phlox gigantea Mellow Moon is a lovely thing. The color is an excellent shade of primrose yellow which seems to blend with everything, even magenta. Plants are 15 to 18 inches tall, and the individual florets between one and a quarter and one and a half inches.

Offered by one firm in 1948, petunia Fringed White Mouth is still new enough to deserve special mention. This is a compact, strong-growing plant that makes a charming edging. The flowers are dainty, excellent bedding, destined to supplant all other white petunias for this purpose.

Another petunia of distinction is Silver Medal, named for the silver medal it won in the All America trials. The color is unusual: salmon pink with white.

(Continued on page 93)
YOUR PATIO continued

Here is more information on the furniture shown on page 71.
Prices are approximate.
Van Keppel-Green dining table $66; chairs $33 each; chaises $36 each; foot stool $21; rectangular table $56; round table $72, at New Design Inc., New York.
Molla square table, Pittsburgh.

YOUR PATIO
continued from page 92

a rosy sheen. In our trials, the plant showed unusual ability to stand adverse conditions without breaking up or getting leggy.

Calendula Pacific Golden Giant is another plant which has an unusual habit of growth. It branches from the base with long stems arising from the crown. The flowers are uniformly large in an unusual blend of two tones of orange. The combination of large flowers, 30-inch stems and brilliant color would be enough to recommend it. Add to that the fact that this is one calendula which keeps on blooming in spite of summer heat and you have a flower with too many good qualities to pass up. We find that, in the Middle West,

a second planting of calendulas between July 1 and 10 gives us younger plants for fall flowering. These come into bloom about the first week in September. Because the plants are young and vigorous, the quality of bloom is much higher than that from older plants from spring seeding. Also, try disbudding calendulas: they will produce bigger flowers.

The Princess type of aster is relatively new, with quilled ray flowers and a full created center. With excellent stem length and liberal bloom, this type is valuable both for garden effect and cutting. This year, the introduction of Linda, a clear brilliant rose in this class, further extends its usefulness.

YOUR PATIO
continued from page 92

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Totty's

Totty's
NOVELTY ROSES EXCLUSIVE INTRODUCTIONS

There is romance, and happiness, and true beauty in every gorgeous blossom. There is a dream in every petal, and the essence of joy caught in every breath of fragrance. Add Mediator and Copper Lustre to your garden this year, for new delight.

MEDIATOR—Our newest rose, has long pointed buds that open into flowers of coral-pink, shading to salmon-pink at the base. The heavy, reddish-green foliage contrasts strikingly with the blossoms, each containing about 45 petals. A distinctive perfume completes its attraction.

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New ROSES
Year after year, garden lovers look to Wayside for the world's finest new introductions. Two superb new "All America Rose Winners for 1949" Tallitha and Forty-Niner are worthy selections.

Tallitha (illustrated) is a large, lovely pink rose of exceptional substance—perfectly hardy in any section of the country.

Forty-Niner, brilliant bi-color with the outside of petals a rich chrome-yellow and the inside the vivid orient-red of Chinese lacquer.

Among the one hundred and fifty rose offerings listed and colorfully illustrated in Wayside's catalog are many other new introductions and outstanding Rose winners of long proven merit.

New PERENNIALS
This year, Wayside has many outstandingly beautiful new offerings, including exciting new perennials, all guaranteed superior quality "Root-strength" plants, available only at Wayside.

Three New Hardy English Asters—"Peace", "Plenty" and "Prosperity". These magnificent new Asters produce thousands of flowers fully 2" across in charming pink-lavender, soft blue and rose-pink. Easy to grow anywhere and excellent for cutting.

Two New Border Pinks, Dianthus Evangeline (soft Persian rose) and Direm (deep Persian rose with carnation center). Both of these enchanting perennials flower profusely spring and fall. They exude a spicy, clove fragrance and grow 8 to 10 inches tall.

New TREES and SHRUBS
Bronze Leaved Smoke Tree. (Rhus Cotinuus Rubrifolia). Handsome bronze tinted foliage with a bronze colored plume giving the illusion of smoke encircling this fine, pure garden shrub.

Lilacs, Esther Staley. The only truly PINK LILAC. Just a few of these delightful pure pink Lilacs will be available this spring. Flowers are single, moderately large and bloom in mid-season. Healthy plants with remarkable vigor.

Lilacs, Clarke's Giant. The largest and best Lilac in existence. Huge clusters of soft, gentian-blue flowers attaining a length of 12 inches or more.

The new GIANT GAILLARDIA "General George Patton" The flowers of General George Patton are enormous in size, measuring 4 inches in diameter. The petals are a brilliant, dark red with flushed golden tips. Averaging 3½ feet in height, this exceptional perennial blooms all summer producing 60 or more huge flowers on a single plant. Will grow anywhere, even in poor soil. Illustrated at right.

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Almost 200 pages, with hundreds of flowers illustrated in their natural colors. Thousands of gardeners rely on this book, year after year, as their source book of ideas and the finest worthwhile new plants. Complete cultural instructions for each item. To be sure you get your copy it is necessary that you enclose with your request 50c, coin or stamps, to cover postage and handling costs.

30 MENTOR AVE. MENTOR, OHIO
CRAB APPLES

continued from page 34

Planted near this pale pink tree, M. armorensis makes a charming picture. It, too, is very free flowering, with deep carmine buds opening into bright pink flowers. Its fruits are not conspicuous. The tea crab apple, Malus hupehensis, formerly called M. thebertii, is unique in habit. Its branches grow upward, giving a rather vase-like effect. The pale pink-to-white blooms of this crab apple are long the wand-like branches. It is not showy in fruit.

Burdened by the name Malus zumi calocarpa, and sometimes listed as M. siemonii calocarpa, the red crab apple is little known, which is a pity, for it is a beauty. The tiny deep pink buds open into a million pale stars, and in the fall its branches are hung thickly with clustered deep red apples no bigger than cranberries, which cling to the tree into late winter. These two outstanding qualities of effectiveness make it my favorite among the crab apples. A relative called Bob White holds its yellow fruit even longer. These long-persisting apples retain their attractive appearance for an amazing time and keep open house for the birds. There is such a tree in the flowering apple collection at the University College where, on many a bitter morning, I have seen a robin or two stuff themselves down a large breakfast.

The pear-leaved crab apple, M. prunifolia, with long, generously arching branches hung with inch-wide crimson fruits, is a fine sight in early fall. Its flowers are white. Like some of the other flowering apples, forms of this very, some having yellow fruit. Another tree grown for pretty fruit rather than its bloom is the cutleaf crab apple, M. toringoides. Its white flowers open with the later American Dent, but its fruit gives an effect of light pinkish red. It is subject to fire blight in some sections.

Among the smaller crab apples is the Arnold, M. arnoldiana, with long arching branches covered with large pink and white flowers followed by a plentiful crop of yellow rose-colored fruits the size of smallish cherries. Siebold, with pale pink flowers and red to yellow fruit, is also small. Smallest of all is the Sargent crab apple which only reaches six to eight feet in height, though it may be twice as broad. Its pure white flowers are followed by many small red fruits which are quickly eaten by the birds. Some of the forms in commerce are not the true dwarf.

Among apples too large for the average place are the Siberian crab apple, Malus baccata, and its variety mandshurica, with large fragrant white flowers, first of all to open. New and smaller varieties in this group are beauty, narrow in habit, with white flowers and brilliant red fruit, and the pink and white flowering Des Moines, which holds its fine red fruits until early spring. The medium-sized white-flowered and crimson-fruited Dolgo crab apple is also related.

The American varieties come into bloom as the Asiatic crab apples are finishing. Their bloom is less abundant, (Continued on page 95)
CRAB APPLES

but the individual flowers are larger and finer, and also fragrant. The greenish fruits are not conspicuous. Two varieties of the lovely wild sweet crab apple, Malus coronaria, are commonly grown—Charlotte, with double or semi-double pink flowers and Niewland, with brighter double blossoms.

The prairie crab apple, Malus ioensis, is one of the most beautiful flowering trees of the Middle West, lighting up the edges of woodlands. Its double variety, Bechtel, M. ioensis plena, has fragrant flowers like neat little pink roses. This delightful tree has a way of having whole branches die, or of dying completely, after 10 or 15 years of apparent good health, but it is still worth growing in spite of this.

Red-tip is supposed to be a hybrid of the prairie crab apple, niedzwetzkyana. It is a charmer, with pink blossoms and young leaves tipped red. Flame, a very hardy, slender, upright tree, has very fragrant flowers like neat pink flowers. It is a charmer, with pink flowers of the prairie crab apple, niedzwetzkyana.

The clear pink crab apples are best kept away from Japanese maples and pink dogwood. Their spring delicacy is eclipsed by the harsh coloring of the maples, and does not harmonize with the salmon pink of the opening dogwoods. They look well with tender young green foliage, and with the dark of evergreens. They are best with clear flower colors. Deep blue-violaceus, such as comes in some dwarf iris and pansies, is an excellent touch at their feet. Their airy delicacy makes a wonderful contrast with the smoother and more dignified tulips in shades of pink, rose, purple, light yellow and white.

The purple-leaved varieties need lighter companions such as Malus floribunda and others with white or pale pink flowers. They should be kept away from forsythia, especially F. spectabilis, which is a brassy yellow. Some of the soft-blended breeder tulips look effective with their foliage.

In sunny, airy situations with average good soil and drainage, the crab apples thrive. They may be planted in

HOW TO USE THEM

The crab apples can be used in several ways. As small trees for the lawn they cannot be surpassed, and even a small place has room for one or two. They may be used in mixed borders of shrubs and small trees. They may flank a vista into a garden, or be used as points of interest in the garden itself.

The early crab apples open during the last part of April near New York, as the double Japanese cherries are

THE CRAB APPLES continued from page 94

fading, blooming with the late daffodils, with bleeding hearts, early tulips, early dwarf iris, ajuga, Polemonium reptans, Viburnum carlesii, and Azalea nereyi and A. schlippenbachii. They combine well with all these, except early tulips in bright scarlet or orange. The late apples bloom with the long-lasting bleeding hearts, late tulips, flowering almonds, dogwoods, lilacs, early deutzias, nertensias and Phlox divaricata.

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Red Rose Salmon

White Pink Yellow

Separate colors: each 25¢, 3 for 70¢, doz. $2.50, 50 for $8.75. Mixed colors: 3 for 65¢, doz. $2.25, 50 for $8.25.

Carnation Flowered Begonia (Fimbriata Plena): A giant saucer-like flower with center anthers of pure bright yellow. Their intense colors brighten any spot in your garden.

Red Rose Salmon

White Pink Yellow

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Crispa Begonia: A very unusual single Begonia of exquisite grace and beauty. Flower is so deeply cut and frilled it looks double. Desirable for decorative displays.

Red Rose Salmon

White Pink Yellow

Separate colors: each 25¢, 3 for 70¢, doz. $2.50, 50 for $8.75. Mixed colors: 3 for 65¢, doz. $2.25, 50 for $8.25.

Carnation Flowered Begonia (Fimbriata Plena): Very interesting formal type of Begonia; has full double flowers with short, deeply serrated and fringed petals.

Red Rose Salmon

White Pink Yellow

Separate colors: each 25¢, 3 for 70¢, doz. $2.50, 50 for $8.75. Mixed colors: 3 for 65¢, doz. $2.25, 50 for $8.25.

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JAMAICA
By air: Pan American flies from Miami to Kingston daily with additional flights on Monday, Wednesday and Friday.

CRAB APPLES

either spring or fall except in the colder regions where spring planting is best. Small sizes, three to five feet, may be planted with bare roots, but larger specimens must be moved with a ball of earth. They need little pruning. Crossed branches must be removed from time to time, and long growth may be headed in to make a balanced, formal-looking plant.

HOW TO CONTROL PESTS

These small trees are subject to the same pests as other apples. Scale insects are controlled with a dormant spray of miscible oil. Vent caterpillars may invade, and should not be burned out, but the nest wiped out with a kerosene-soaked rag on a stick at dusk when the caterpillars are at home. The American apples are subject to fire blight. Dying branches should be promptly removed and burned. Cedar rust may also attack American varieties, blotching the leaves brown in summer. A colloidal sulfur spray is recommended for this, used several times starting in early spring. However, many flowering apples flourish for years without any spraying at all.

CRAB APPLES continued from page 95

These tremendous tomatoes are the talk of amateur gardeners all over the country. The agricultural editor of a leading Chicago newspaper writes: "Giant Tree Tomato is producing heavily, with each tomato weighing more than a pound. The vines, trained on stakes, tower 7 or more feet high... the tomatoes are enormous... one can make a full salad.

George Cooper, veteran tomato grower of Minneapolis, sent three fruits that weighed exactly 5 pounds to Paul Light, columnist on the St. Paul Pioneer Press, who published this thank-you note: "Thanks... for the biggest, reddest, fattest tomatoes I've ever seen. Three of them have supplied the Lights' considerable salad needs for almost a week."

These huge fruits are borne in potato-leaved plants of amazing vigor. Few seeds, mild flavor, meaty flesh. Try them this year. Packet 50c.

HOUSE & GARDEN
in planting so as to need no thinning after germination. Theoretically a perfect environment for the seed can be created by incorporating various chemicals in the coating material, such as fungicides, plant hormones, plant foods, etc. In practice, several crops have benefited by pelleting. In the case of beets, for instance, it has enabled growers to section the compound fruit ordinarily planted as a seed. This single seed produces only one plant instead of the usual cluster of crowded seedlings. Thinning has been eliminated and weediness simplified. Tomatoes, too, are improved by pelleting.

Other experimental plantings, however, have not been nearly so successful. The vegetable specialist for the important Belle Glade Station in Florida, for instance, told me that lettuce and endive plantings were total failures. Lettuce seed held on his desk for a week took up enough moisture to destroy germination even before planting.

What, then, can the amateur expect from pelleting?

For the time being, not much. Perhaps direct-sown tomato seed is the most promising. Few amateurs direct-sow; most of them want to use pelleted seed. Perhaps direct-sown tomato seed is the most promising. Beet seed, greenhouse tomato seed, and certain other seeds as well, might be possibilities. Carrots, too, always miserable to thin, ought to be given a trial. For the rest of the list of vegetable crops, however, we can only render the decision of the old Scottish courts, "Not proven!"

In the field of fungicides, tremendous progress has been made, both for seed treatment and for spraying plants. Some of these are so much better than old-time materials that sulfur, Bordeaux and lime-sulfur are all but obsolete. Not only do these newer products give better control, but they are less drastic in their effects on plants.

This improvement has not, however, been pure gain. Most of these newer materials prove to be highly specific. They will wipe out one disease, but not touch a similar disease on the same plant.

For this reason, I suggest a talk with your seedsman before the spring rush begins, to find out more about these new materials. You will learn that some of them are not universal cure-alls to be used indiscriminately on the entire garden. But when used on recommended species for listed diseases, they do look significant and useful.

New old stuff, 2,4-D can still make scientific news. Today, perhaps, more money is being spent on 2,4-D research than most crops. With a hundred or more trained men working on its application, under widely different conditions and with varied ideas in mind, they're bound to make progress.

A crowning achievement in flower culture which required years of careful and painstaking hand breeding. Over 1,000 seedlings were discarded for every one selected in obtaining the exciting new color offered you in this garden marvel. Not a foundling in the lot. Each KELLOGG AZALEAMUM has a definite traceable pedigree. Each plant is well-bred, and shows it!

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RESEARCH

Last summer saw extensive trials of the idea of pre-emergence spraying (mostly on corn) to kill weed seedlings as they emerge from the soil. In the Middle West, we learned what wouldn’t work. At corn planting time, the weather was dry and it stayed dry for four weeks afterwards. We got no control at all; treated fields were just as weedy as the untreated. In other sections, some fields were never touched with the hoe or cultivator all season, yet remained weed-free. Others needed to be touched up with a cultivator after the effects of early sprays wore off, but the labor needed to grow an acre of corn was cut substantially.

The present status of pre-emergence spraying is probably that of a promising experiment which calls for plenty of additional work to solve important problems.

Weed killers other than 2,4-D show rapid progress. Amateurs, on reading about this, have rushed to their seedsmen to demand these newer weed killers (the majority of them are petroleum products).

Knowing the home gardener and his problems, however, my suggestion would be to forget the whole idea. In spite of what the commercial grower thinks, problems of the amateur are tough. For one thing, he cannot select the time to spray his plots. If one week ends up to be rainy, he may lose his chance on a certain crop. Timing is all-important with these weed killers; two days may make the difference between success and failure. So is dosage; too much is as fatal as not enough.

Tremendous progress has been made in the insecticide field. Ever since the discovery of DDT set off the race to discover new bug killers, we have been bewildered by the introduction of product after product, each making its predecessor obsolete. This richness of new materials has not solved all our problems, however. There is the question of selectivity, for instance. DDT kills the codling moth on apple trees, but also destroys the enemies of the red mite, which DDT does not touch. Hence red mites build up to tremendous proportions and do more damage than the codling moth.

In an attempt to solve this, some manufacturers have brought out “shot-gun” mixtures, containing several of these new preparations, designed to control all ills to which plants are heir, whether fungie, entomologic or physiological. But the use of these general mixtures does mean a waste of most of the ingredients they contain (at some time or other) and it also means inadequate control if real trouble does develop.

Personally, I would prefer to learn more about the right stuff to use. An excellent example of what I mean is Chlordane. For specific insects, it is nothing short of marvelous. On grasshoppers and crickets, for instance, it is perfect. We now consider it routine to rush a ton or two of Chlordane to any (Continued on page 99)

dated from page 97
area where these two pests get out of hand. If grasshoppers and crickets are your problem, investigate Chlorodane.

Another problem, and one that affects more gardeners, is that of ants. Here again Chlorodane is practically a specific, provided a 10% dust is used. Weaker concentrations don’t seem to work on ants.

Of interest because it affects the price of practically everything we wear is Chlorodane’s effect on the cotton boll weevil. Here it is perhaps the most efficacious measure against this economically important pest. Chlorodane is about as toxic as DD'T and calls for the same precautions when using.

Curiously, Parathion, the newest of the wonder insect destroyers, seems to work on every economic insect known—except the boll weevil. Here we have an insecticide so powerful and so effective that everyone who has heard about it looks forward to trying it. But so far, it has not been released for general use. Orchardists and greenhouse operators are mad about it.

Unfortunately, we don’t know enough about its effect on man and on animals to release it to everyone. It is supposed to cause liver damage of a type not easily detected. A gardener might do himself fatal harm, without knowing what was happening to him, until too late to save his life. Perhaps this danger, as real as some think it is, can be eliminated, and this most powerful of all insecticides made safe for general use. In the meanwhile, don’t continue from page 96

RESEARCH

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Beloved by All

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Peace is for sale at the leading rose dealers.
and the chemists began digging around to find why this was so. They soon discovered that the active ingredient in HEPT was a compound called Tetracycl pyrophosphate, which they quickly shortened to TEPF.

Again we have a highly toxic material, but unlike Parathion and DDT, one that quickly loses its power to do harm. Thus TEPF can be applied to vegetables and fruits a week before picking without danger to the user. Cut flowers intended for the market are safe to handle a day or two following aerosol fumigation with TEPF. TEPF plus DDT looks like the answer to our search for a general insecticide which will control most garden pests.

So far, it does not seem to be harmful to humans if normal care is taken to avoid direct contact while spraying. In the greenhouse, the use of a good gas mask is recommended by authorities.

**RESEARCH**
continued from page 99

MAX SCHLING'S Fragrant Danish Lily-of-the-Valley Pips for Indoor forcing are not to be confused with the usual Pips offered for sale by anyone else. We consider our Lily-of-the-Valley Pips to be the finest obtainable in this country.

They will bloom in approximately 21 days and if used in consecutive plantings will give continual bloom throughout the Winter.

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Globe flower

Lily of the valley  
Mallow rose  
Missouri primrose  
Monkshood  
Pansy  
Phlox  
Prairie lilac  
Primrose  
Swamp rose mallow  
Sweet pea  
Trillium  
Virginia bluebells  
Woodruff

**SHADE GARDENS OF THE YEAR**

They will continue.

---

**Grass Cuts**

Takes only one gallon for the average lawn a season with MILLAR now available.

ECONOMICAL MOWING — plus an eye-striking, extra-powerful, 4-cycle air-cooled engine with smooth, straight-on-the-line mowing; self-sharpening blades, high-speed bearings; other important features. Write for the MOW-A-MAT Folder today!

**SHADE GARDENS**

continued from page 99

MAX SCHLING'S Fragrant Danish Lily-of-the-Valley Pips for Indoor forcing are not to be confused with the usual Pips offered for sale by anyone else. We consider our Lily-of-the-Valley Pips to be the finest obtainable in this country.

They will bloom in approximately 21 days and if used in consecutive plantings will give continual bloom throughout the Winter.

For the MOW-A-MAT Folder today!

---

**SHADE GARDENS**

**SEMI-SHADE PERENNIALS**

Anemones  
Balloon Flower  
Barrernwort  
Bleedingheart  
Bugle  
Bunchberry  
Campanula  
Candytuft  
Cardinal Flower  
Christmas rose  
Coral bells  
Cranes-bill  
Daylily  
Dittany  
Fall aster  
Forget-me-not  
Gayfeather  
Globe flower

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For the MOW-A-MAT Folder today!
CULTILLER is an all-round power tool for the country place. It will plow, disc and harrow in one operation, acts as rotary tiller. A 3-horsepower, 4-cycle engine drives it. It has an aluminum alloy frame, steel parts, 1-gallon tank. Mower, sickle bar, sprayer, snow plow, a roller, other attachments available. $229.50. Cultiller Corporation.

FOR YOUR GARDEN LIBRARY

This big 56 page Catalogue for 1949 is a "must" for every serious gardener. It will help you plan and plant your garden. It describes and illustrates the best of the New and Old-fashioned Roses, unusual Evergreen Shrubs and Vines, Azaleas and Rhododendrons; Lilies and many other Flowering Shrubs; all the Novelties and old favorite Perennial Flowers. It is truly a catalogue you will like to read and use and keep.

STARKLAWN POWER MOWER is a good size for larger lawns. It is all steel for heavy-duty use. Powered with a 1½-horsepower engine, it cuts a 24" swath. Its cutting height is adjustable from ½" to 2½". A floating axle feature permits smooth cutting even with one wheel on a walk or in flower bed. $268.50 f. o. b. Toro Manufacturing Corporation.
Cuthbertson Sweet Peas have won high honors, including Gold and Silver Medals and other awards from the Scottish Sweet Pea Society.

If you want better sweet peas, follow the example of thousands of home gardeners and plant Ferry's Cuthbertson Sweet Peas—the originator's strain and the most noteworthy contribution in the world of flowers in recent years.

Letters from home gardeners everywhere have been lavish in their praise and have confirmed beyond any doubt that Cuthbertson Sweet Peas give the most exquisite colors. They are obtainable in a number of colors and an attractive blend.

All Ferry's Seeds, whether flower or vegetable, are of the same high quality and are produced with the same scientific, painstaking care as our Cuthbertson Sweet Peas. Your favorite dealer is now, Ferry's Seeds especially selected for your locality. Remember, you can have a better garden with Ferry's Seeds!

FERRY-MORSE SEED CO.
DETROIT 31 • SAN FRANCISCO 24

Ferry's Seeds

Hear "The Old Dirt Dobber" on "The Garden Gate"—Saturdays—Columbia Broadcasting System

BED AND BATH
continued from page 60

The following stores will carry bedroom and bath merchandise in House & Garden colors.

ALABAMA
Birmingham: Loveman, Joseph & Loeb

CALIFORNIA
Oakland: Paulson, Ballard's
Sacramento: Jackson's
San Francisco: Paulson, Ballard's
Vallejo: Jackson's
Walnut Creek: Jackson's

CONNECTICUT
Hartford: G. Fox & Co.

DISTRICT OF COLUMBIA
Washington: Woodward & Lothrop

MINNESOTA
Duluth: MINNESOTA FARMER'S MERCANTILE
St. Louis: S. S. Baer & Fuller

NEW YORK
Albany: W. M. Whitney & Co.

NORTH CAROLINA
Asheville: Ferry, Inc.

OHIO
Cleveland: The Higbee Company

TENNESSEE
Chattanooga: Lovemans, Inc.

TEXAS
Houston: Polay Bros.

VIRGINIA
Richmond: Miller & Rhoads

ONTARIO
Montréal: The T. Eaton Co., Ltd.
Toronto: Robert Simpson Co., Ltd.

OPEN YOUR HEART

The American Heart Association is asking every American to "Open your heart to fight heart disease." Special emphasis will be placed on the work of the Association in February with a drive to raise $5,000,000 with the 14th to the 21st earmarked as National Heart Week. The staggering mortality due to heart disease is bound to commercialize the work of the Association to everyone. Heart disease is the number 1 killer in the United States. Rheumatic fever (cause of 40% of all heart disease) kills five times as many children as infantile paralysis, whooping cough, scarlet fever, measles and meningitis combined. Yet in the past decade, adequate funds have been available to researchers in this field. To remedy a deplorable situation, the American Heart Association, a national agency led by doctors and public-minded citizens, has divided its program into three parts: research, education and community service. Contributions may be sent to the American Heart Association, national headquarters at 1775 Broadway, New York, N. Y.
BED AND BATH
continued from page 62

Here is more information for the merchandise shown on page 62. All prices are approximate.

Top photograph.

"We both got what we wanted"

"My dream bathroom just had to be smartly beautiful. Harry was primarily concerned with quality. When our plumbing contractor recommended Eljer, we both got what we wanted."

And why not? Eljer Plumbing Fixtures are available in a wide range of related, yet distinctive, styles of lovely pastel colors. Eljer styling has always set the pattern for truly smart bathroom design.

As for quality ... Eljer Vitreous China Fixtures just naturally resist stains and the effects of all ordinary acids because they are real china. The lustrous, glass-like finish stays bright and new looking ... with just the swish of a damp cloth.

For free booklet on Eljer Fixtures and beautiful chrome-plated brass fittings, write Eljer Co., Box 192, Ford City, Pennsylvania.

WHAT IS ENAMELED CAST IRON?

All Eljer Enamed Cast-Iron Fixtures have a body of solid cast iron. An extra-thick coat of Vitreous Enamel is fused to this base by extremely-high oven temperatures. The resulting finish is velvet-smooth ... and will last a lifetime with ordinary care. When you buy a bathtub or kitchen sink, be sure it is made of rugged, rigid cast iron.

Brownell Roses
32 Rose Park Little Compton, R. I.

"Curly Pink" and other
Sub Zero Hybrid Teas
21 Different Colors and Forms
Victor—Beautiful—Easy to grow—Large, abundant blooms, more constantly—Comparable with the best.
Can live several decades even after late sowing. Save replacement expense. Plants that fail, anywhere, within 2 years, replaced free, purchased from the hybridizers—Also beautiful yellow and orange Hardy Climbers.
Send for pictured list.

Brownell Roses
32 Rose Park Little Compton, R. I.

JANUARY, 1949

COLE

Be sure to get your copy—A guide to "Everything That's Good and Hard"—Currently written, beautifully illustrated—it contains many valuable cultural hints and special offers.
You'll appreciate the wide selection—over 350 of the best varieties of Flowers, Perennials, Shrubs, Roses, Berries, Lawns, and Shingle Trees, Evergreens, Ornamentals. Cole's Nursery stock is guaranteed—taught by 40 years' growing experience and the use of the latest treatments in plant and soil culture.
Write today for your free copy. Sorry—no mail. West of Rockies, to door, or outside.

THE COLE NURSERY COMPANY
3003 W. Jackson
Piqua, Ohio
For Greater Comfort with Less Fuel

REPLACE DIRT-CLOGGED FURNACE FILTERS!

Cold wintry blasts should hold no fear for you lucky owners of modern warm-air heating systems. Nor fuel shortage, nor high fuel costs . . . provided you get all the heat your efficient furnace is capable of delivering.

It takes but little to keep your system operating at top efficiency—often only the changing of your DUST-STOP Filters.

It's a big job those filters do, cleaning dust and lint from a roomful of air every few minutes. Small wonder they become dirt-clogged, requiring replacement once or twice a year!

New DUST-STOP Air Filters can save more than they cost in fuel bills alone. And they will help keep your home cleaner as well as warmer, protect costly furnishings and decorations.

Contact your dealer and order new DUST-STOP Air Filters today. Your furnace repairman or hardware dealer can supply them. Owens-Corning Fiberglas Corporation, Department 906, Toledo 1, Ohio.

To Canada: Fiberglas Canada Ltd., Toronto, Ontario.

Exterior scenes for the new film, Enchantment, were shot before a house in Kensington's Royal Crescent.

PORTRAIT OF A HOUSE

as conveyed in a British

novel and a new American film

The protagonist of Rumer Godden's poignant, contrapuntally constructed novel, Take Three Tenses, is a house in London. In it, writes Miss Godden, "the past is present," implying that the character of the house consists not only in its architecture, but in the living that has taken place within it—the events and experiences, satisfactions and disappointments, loves and hates that have been undergone there. She describes these experiences, past and present, in the present tense, weaving them across her pages like the themes of a Bach fugue. The story has been adapted to the screen by Samuel Goldwyn's company, and the film will soon be released under the title, Enchantment.

Before production began Mr. Goldwyn sent George Jenkins, his art director, to London, where he consulted with editors of our sister publication, British House & Garden, to make sure of re-creating the authentic architecture. The exterior shots were made in London, the interiors, here drawn, were filmed back in Hollywood.

...stairs in a house are like highways in a country, exciting when they are unknown, soon familiar, linking all parts of it together, making them accessible and plain. Perhaps that accounts for the enormous traffic on these stairs, the continual endless going and flowing and hastening and tolling up and down them.
"There is a crystal in the [drawing room] chandelier that sings, giving out a chime whenever a certain note is struck on the piano, or when a voice in singing reaches top D. There are many songs in the house: popular songs and hymns and carols; sentimental evening ballads; the songs Lark studies ... there are nursery songs and rhymes; and poems."

"In the dining room the peacock curtains are drawn; the curtains formerly are a dark green but Selina changes them when the craze for changes comes, when she is given to wearing trailing dresses of olive green and pale blue ... there is a smell of old Mowers and coal and of wax polish and, from the sideboard, of wine spilt on wood. . . ."

"Someone has tried to turn the [nursery] into a bedroom. There are rugs put down on the carpet, newer rugs, and the dressing table has been looped into skirts, white muslin ones tied with ribbons that are faded and fray ... there is also a writing case ... a piece of blotting paper that still bears the upside-down imprint of a letter."
HOUSE & GARDEN

Find the things in this room that drive a woman crazy!

An old-fashioned radiator, wasting floor space—slow-heating, inefficient. A dust-collector that throws too much heat to the ceiling, not enough near the floor. It's too hot for you or your furniture to touch. Heat wasted. Fuel wasted. Trane "Active Air" Convectors would whip these problems.

Find the things in this room that tickle a woman pink!

No dust traps here! This room stays cleaner...and it's evenly, healthfully, quickly warmed all over, at low fuel cost! No hot surfaces to burn hands or scorch furniture. Slim, handsome Trane Convectors may be recessed into walls, out of the way. It's a room of lasting charm and luxurious comfort.

There is such a thing as fool-proof heating!

Whether you're building, remodeling, or just making plans, you owe it to yourself to find out what Trane "Active Air" Convectors can mean in terms of comfort, health and economy. They can be used with any steam or hot water system. Avoid disappointments later by getting all the better living facts about "Active Air" convected heat now. Send for colorful, helpful姆ux booklet.

The Trane Company, Dept. E 19, LaCrosse, Wis. — or Trane Company of Canada, Ltd., Toronto. I want to see your full-color photographs of beautiful rooms, and learn more about Trane Convector heating. Please send me your free book "How to Live in June All Winter."

NAME ____________________________ ADDRESS ____________________________ CITY ____________________________ STATE ____________________________

HOUSEHOLD SHORT CUTS

Time and labor saving products to help you run your house with greater ease

can opener with magnetic arm keeps lid from falling into can. Swingmaster fits close to wall when not in use. $4.49 in chromium. L. S. Ayres, Indianapolis.

Oyster opener, left, grips shallow shell, slides it free with professional ease. Requires no fastenings. $1.95. Terrace Novelties, New York 22.

Cradle with built-in thermometer signals just when to pour on batter for light, fluffy pancakes. Pan made to heat evenly throughout. Grandma Layne's Thermostatic Griddle, $6.45. Lewis & Cogger.

WINDOWED CANISTERS of plastic, right, show contents, sport red lids; 4 for $4.95. Enamelled 2-shelf breadbox, $3.95. Stern's.

PORTABLE WASHER, left, does four pounds of wash in five minutes. Uses no drums or paddles, only gentle pulsating action of aerated water currents to flush out dirt. Stainless steel tub; wringer, drainboard. Use as hamper, work top 30" high. Monitor, $69.50 plus exp. Hammacher Schlemmer.

KITCHEN knives:
Stainless Steel Set, 6", 8" slicers, vegetable, paring and grapefruit knives with stainless Swedish steel blades, double hollow-ground; white plastic handles, $4.50. Bloomingdale's.

FLOOR CARE is easy with Johnson's new Beautifier Polisher, right. Streamlined, lighter, faster; high-speed motor reduces polishing time, gives high luster. $44.50. Lewis & Conger, New York.

TEA SET, below, from Finland, with sturdy handles. Large pot for hot water, small for tea. In gray-green with plum, large $12, small $8, 50c extra for postage. Finnish Art Shop, N. Y. 22.

Bathroom Beauty!
 Guaranteed for life...

Higgins Eureka closet seats add the final touch of quality to each superbly styled bathroom—gleaming white beauty that endures a lifetime! Never before has such elegance been combined so perfectly with comfort, strength and lightness at so moderate a cost. It took Higgins' famous production skill to produce this finer, cross-laminated, bonded hardwood Eureka seat that bears a lifetime guarantee against splitting, cracking or breaking. See it on display at your plumbing contractor's.

Every Higgins Eureka seat is constructed of multiple laminations of selected hardwoods, bonded under terrific pressure; solid three-point suspension bronze hinges, extra-heavy chrome plated finish.

Higgins
INCORPORATED
NEW ORLEANS
**NOW! FOUR HOURS of recorded music automatically... plus sharp, clear MAGNASCOPE television**

Magnavox is the first radio-phonograph to play both LP and 78 rpm records automatically.

YOU get more from both the new LP (long-playing) and your present records, too, when you own a Magnavox. It is the one instrument with both a Duomatic Changer and an acoustical system that is capable of reproducing today's extended recording ranges.

See Your Magnavox Dealer Today. Hear recorded music, AM-FM and short wave radio at their best. Learn, too, how Magnascope television can be added to the Magnavox Radio-Phonograph of your choice at any time. Radio-Phonographs, $179.50 to $895; with Duomatic Changers, from $275. Television Receivers, $299.50 to $950.

*MAGNASCOPE* is the unique television picture system developed by Magnavox. It provides the finest picture quality in television and sharper contrast for better visibility without glare or eyestrain. (Prices subject to change without notice.)


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**HOT BUTTERED RUM.**

Place cinnamon, 1 lump sugar, 1½ oz. Jamaica rum in a mug. Hold above it a pat of butter in a pierced spoon and dribble boiling water through it till butter is emulsified and mug filled. Silver pot, S. Wyler; Crown Derby mugs, Plummer, Ltd.; Dagger Punch dark Jamaica rum, Schieffelin & Co.

---

**TURNS WITH A CORKSCREW**

Here are four classics timed to your New Year's party but equally appropriate for any mid-winter entertainment.

When, on the night of December 31, the clocks strike midnight all over the country, millions of Americans will raise their glasses in the most significant toast of the year. No everyday drink could do justice to this occasion. It demands a drink as memorable as the moment, and one which will call out your best glasses or cups. A handsome punch-bowl or samovar for the guests to gather round, as a tangible symbol of hospitality, is also indicated. You will find hot buttered rum is the best all-round drink, and one easy to make once you have grasped the principles of emulsifying the butter so that it is suspended in the liquid rather than floating on top in patches. Geared to cold weather and the people who like to go out in it, hot rum is as suitable for a tête-à-tête as for the evening when all your friends are invited. At a more formal party, try the eggnog, a satisfying stand-by in the country where guests often motor from miles away. For more elaborate town entertainments, either of the punches is indicated. The brandy one, with its delicate whiff of Curaçao, will appeal to the most sophisticated; is dry enough to drink all evening. The champagne punch induces the festive mood with minimum preparation time required.
EGGNOG. Into 12 well-beaten egg yolks whip 8 tbsps. sugar and, slowly, 1 qt. Bourbon and 1 pt. dark rum. Stand in a cool place for several hours to blend. Before serving, add following mixture, beaten smooth: 12 stiff egg whites, 1 qt. whipped cream, 2 qts. rich milk. Serves 12 to 15. Silver bowl, cups, sugar caster, Fisher Silversmiths; Kentucky Tavern straight Bourbon, Glenmore Distillers.

CHAMPAGNE PUNCH. To 3 parts champagne, add 1 part light rum and a dash of Curacao. Pour over block of ice set in a chilled punch bowl, garnish with orange peel. Cut crystal bowl and glasses from Plummer, Ltd.; Taylor's New York State champagne, Taylor Wine Co.; Wray & Nephew's Three Dagger Jamaica rum, Schieffelin & Co. All clocks shown in these pictures courtesy Georg Jensen, Inc.

BRANDY PUNCH. Add enough sugar to the juice of 4 oranges and 15 lemons to neutralize sourness. Place in punch bowl with large block of ice and pour over 2 qts. brandy, 4 oz. Curacao and 1½ oz. grenadine. Before serving, add a qt. of iced soda water. Serves 15. Bowl and goblet, Fisher Silversmiths; Remy Martin cognac, Renfield Importers; Garnier orange Curacao, Julius Wile & Sons.

Furniture manufactured by Daystrom Corporation, Olean, N. Y.

More Color Less Care
Throughout your home

DRAMATIC BEAUTY—
A host of thrilling colors—dramatic shades to precious pastels . . . rich finishes . . . soft, luxurious surface.

WONDERFUL WEARABILITY—
Resists scuffing and peeling . . . stays petal-soft and yielding . . . with no extra care on your part.

AND SO EASY TO CLEAN—
No hours of hard work here! Food stains and spills vanish in a jiffy. Just wipe them away with a damp cloth!

SEND FOR FREE INFORMATIVE FOLDER WITH DURAN SAMPLE

THE MASLAND DURALEATHER CO., 3282-90 AMBER ST., PHILA. 34, PA.
"Quickie Cocktail"
...JUST FOR TWO

Brilliant hand-blown seamless crystal. Shaker with shining chrome plate top, holds 12 ounces. Glasses hold 3 1/2 ounces. At gift, jewelry and department stores.

SHARED intimacy for those cozy moments when the rest of the world is shut out and three would be a crowd! This sparkling crystal Quickie Cocktail set was made for sentimental sophisticates. Look for the blue and gold West Virginia Glass label. It's your assurance of smart, modern design—superlative quality—at conservative prices. At gift, jewelry and department stores. For name of your nearest dealer, write West Virginia Glass Specialty Co., Weston, West Virginia.

WEST VIRGINIA GLASS

Coated with plastic for easier handling and longer life, Guild Playing Cards are packaged in a crystal clear plastic case for appropriate gift giving, or keeping. Select your playing cards from Guild's Gallery of distinguished art. Ask for them at your favorite store, or write for the name of the dealer nearest you.

WESTERN PLAYING CARD CO. • RACINE, WISCONSIN
Makers of American Artists Playing Cards

LIVING ROOM continued from page 85

STOR-IT-BED by Burton-Dixie Corp. has a drawer in base for extra bedding, etc., an innerspring mattress. Price $100. 3 extra bolsters transform it into studio couch, $115 complete. Carson Pirie Scott, Chicago.

SUPER-QUILTFLEX by Eclipse Sleep Products. Felted quilts on innerspring unit eliminate all tufting. Twin or full-size mattress, $70, matching box spring, $60, legs $5-8 extra. Wamaker, Philadelphia.

PIL-O-REST mattress by Karpen has channels of cotton felt on innerspring construction to provide smooth tuffless surface, even support. Twin or full-size mattress, $60, box spring, $60, May & Co., Washington, D.C.

KOYILON foam rubber mattress by U.S. Rubber Co. is molded in one piece, is flexible, lightweight, allergy-free. Twin size 4 1/2" thick with foundation. $155, double, $178. Legs $5-8 extra. Bullock's, Los Angeles.

DUO-DIVAN, a "Hi-Rise" by the Englander Co., is in two sections, 33" and 30" wide, which can be used separately or as double bed. Steel coil edges, link springs, innerspring mattresses. $80. Stix, Baer & Fuller, St. Louis.

Prices are approximate
**LINEN CLOSET CUES**

continued from page 63

When you set out to check your household inventory on January 1, take with you the picture of the closet on page 63. You will find it an accurate guide to the amount of linen as well as to the linen storage space a four-bed household requires. The closet is 6' high, 5' wide, 24' deep. You can build it yourself out of: five shelves 2' x 5', three shelves 10" x 5', one shelf 5" x 5', one shelf (which runs only half the width of the closet) 4" x 2.5'. Brackets to support shelves lock into a 5/8" steel track attached to wall (by means of screws and rawl plugs or toggle bolts) and can be set at any height. The tracks may be ordered in lengths up to six feet; can be safely attached to plaster walls or to any wall that has a hollow construction. They may be mounted on the surface of the wall, in which case the plywood shelves will have to be cut where they fit around the track; or may channel into the wall so that living room is a 1/4" steel channel in 3 sizes, ea. $2.50; nine 10" brackets, ea. $1.13; three 5" brackets, ea. 75c; two 4" brackets, ea. 75c; plus three 3/4" tracks, ea. 6", ca. $1.80. Total hardware amounts to $9.56.

The measurements of this closet are governed by two considerations: the average woman's 72" by 48" bed, and the standard size to which laundry-fold bed and bath linen. For instance, a single sheet folds into a 10" x 24" oblong and 12 of them (or 6 double sheets) can be stacked in a space a foot high. Large and small bath towels fold to a width of 9" and 10" respectively. As a result, our three middle shelves are exactly 10" deep, making stacking easy, obviating inaccessible back piles. At middle reach is the white linen in daily use, above it the half dozens of monogrammed or colored linens you want your guests to enjoy (note how the 6 guest pillowcases are on a shelf just deep enough to hold them, and no more). The two top shelves and the three bottom ones are 24" deep and proportionately higher to hold large storage containers. On the uppermost two are out-of-season items in quilted taffeta bags by Kerk Guild (price $2.50 apiece) and transparent plastic Duranol blanket boxes (price $6.95 each). The two bottom shelves are for occasionally-used things such as extra pillows, bed pads, comforters, blanket covers, also kept in Kerk containers. Important in this closet are the two cosmetic shelves which hold two heights of jar or bottle in full view and easy reach. Strips of flexible mirror are used as shelf edging (they come in rolls measuring 75" long, costing $2 each, backed with adhesive and ready to press onto the shelf); sheets of flexible mirror are used on the wall above the top shelf to reflect its contents; both by L. & S. M. Mirror Manufacturing Corp. The closet and all its contents are at Macy's, New York.

LINEN CHECK LIST

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 sheets</td>
<td>Linen towels</td>
<td>$1.80</td>
</tr>
<tr>
<td>6 pillowcases</td>
<td>Washcloths</td>
<td>$1.70</td>
</tr>
<tr>
<td>2 mattress pads</td>
<td>Bath mats</td>
<td>$1.50</td>
</tr>
<tr>
<td>6 bath towels</td>
<td>Bath towel</td>
<td>$1.50</td>
</tr>
</tbody>
</table>

After buying the basic bed and bath linens required by one person. Multiply the amounts given by the number of members in your family.

More than a million home owners enjoy the fuel economy of Johns-Manville Rock Wool Home Insulation.

Why let hollow walls and plaster-thin ceilings rob your house of expensive heat, winter after winter? You can't afford to in these days of fuel shortages and high prices.

The best step you can take to meet the fuel emergency is to insulate those hollow spaces.

Johns-Manville "Blown" Rock Wool Home Insulation will pay for itself in fuel savings alone—and give you a world of extra comfort, both winter and summer. Full thick wall-and-ceiling insulation saves fuel twice as effectively as other treatments used in protecting the average house against heat losses. (Based on Government figures.)

The home you are living in now can be completely insulated, by an approved J-M "Blown" Home Insulation Contractor. He is trained to "blow" J-M Rock Wool scientifically, in full measure, to prevent heat-leaking "voids" and give you full benefits.

Save up to 30% on fuel year after year, and keep your home warmer in winter and up to 15° cooler in summer. Convenient monthly payments—FHA approved terms.

*Based on facts published in U. S. Bureau of Mines pamphlet.

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City ____________________________ State __________________________

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To save fuel, your best step is HOME INSULATION*

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Address __________________________
City ____________________________ State __________________________
CONCEALED FLOODLIGHTS avoid the harsh glare of conventional outdoor entrance lights; instead, the whole front wall of the house is softly illuminated with reflected light. A wooden canopy projects diagonally from above the front door to form a covered walk to the drive. The spiral stairs lead up to the roof deck.

The Hanover Commode, re-created from a Georgian masterpiece to meet the needs of your home today ... and tomorrow. One of the "limited edition" pieces from the Beacon Hill Collection. For illustrated booklet describing our re-created masterpieces for every room, send 25c in coin to Beacon Hill Furniture, 11 Albany Street, Cambridge, Massachusetts.
THE CANTILEVERED ROOF OVERHANGS shades the living room windows against the excessive heat of summer sunshine. In spite of the large size of the windows, it is always 10° cooler indoors than out. In winter, on the other hand, when the sun is low in the sky, its rays strike through the windows so effectively that the heating system can be switched off altogether on bright days, while room temperatures reach 70° to 80° even during spells of New England's sub-zero weather.

(Continued on page 114)

INVITATION TO A Winfield CHINA DINNER

The special festive touch to holiday dining...a colorful setting of Winfield China dinnerware.

MENU

Purée Mongole
Fried Chicken... Cream Gravy
Green Peas with Mushrooms
Lettuce Bowl with Roquefort Cheese Dressing
Pineapple Ice with Crème de Menthe
Crème Cake... Coffee

WINFIELD China, entirely handcrafted by skilled artisans, combines the everlasting qualities of fine porcelain with the charming spirit of pottery. Write for your Winfield booklet, a beautifully illustrated guide to serving...with recipes and menus in the California style. Send 25 cents to—

AMERICAN CERAMIC PRODUCTS INC.
Dept. G2, 703 The Brack Shops, Los Angeles 14, Calif.
MODERN HOUSE
continued

THE MASTER BEDROOM is divided into two because Mr. and Mrs. Gropius wanted to sleep in a cool room but dress where it is warm. In order to keep the room half cool, half warm but open in effect, the partition between is mostly glass. A dressing table topped by a slab of black Formica extends the length of the wall. A mirror is fixed to the glass partition. Silvered bulbs are mounted on stainless steel shafts.

Every meal is a special one when your table is set with Diamond Plate. Priced moderately enough to use daily... designed so richly it graces any occasion. The Inauguration Pattern is created for lasting beauty... sparkling silver-plated... graceful modern contours ornamented with a classic embossed design. Each lovely piece is fashioned and highly polished with the perfection usually lavished only upon sterling silver.

Available in the following:
Teaspoons; Round Bowl Soup Spoons; Serving or Table Spoons; Forks; Salad Forks; Butter Spreader; Hollow Handle Knives; forged blades; Butler Knives; Sugar Shells.

Available at Fine Stores Everywhere
DIAMOND SILVER CO. Lambertville, New Jersey

From historic Valliant & Son Vineyards—under vine since 1849—come four great wines to complement your meals. Valliant Burgundy, Valliant Riesling, Valliant Sauvignon, Valliant Cabernet. Each is authentic in character and developed in accordance with time-honored traditions. As, also, for Valliant appetizer and dessert wines: Sherry, Port and Muscatel.
W.A. TAYLOR & CO., N.Y.C
Sole Distributors for U.S.A.
Valliant California Wines

For Those Who Cannot or Should Not Climb Stairs...

RESIDENCE ELEVATOR

Compact machinery
in small space

Your doctor will tell you: Stair climbing is 10 to 14 times more strenuous than walking. Avoid this health hazard—by the push of a button you can ride! The Sedgwick Electric Stair-Travelor or Elevator provides a safe, energy-saving convenience. Readily installed. Endorsed by physicians. Praised by users.

Write for Illustrated Booklet
Sedgwick Machine Works
140 West 15th St., New York, N.Y.
DANGER!
Without a second’s warning, fire can flush out in your home. Quick! Pump your PYRENE— and the fire is dead. PYRENE is the world’s finest fire extinguisher. At hardware, home, auto, farm supply stores.
FREE! A booklet that may save your life—packed with important facts about home fire protection.

Pyrene Manufacturing Company
573 Belmont Ave., Newark 8, N. J.
Affiliated with C-O-Two Fire Equipment Co.
Have You Tested Your Fire Extinguisher Lately?

LIGHT STAINS WITH WAX FINISH

Cabot’s Stain Wax enriches color, grain, and texture of interior woodwork and gives a soft, lustrous Wax finish in one easy application. Cabot’s Stain Wax penetrates deeply, sets up quickly, provides a wear-resistant, easily cleaned finish for interior paneling and woodwork. Wide range of attractive shades from soft Ivory to rich Walnut.

FREE: Send For Color Card Today!
Samuel Cabot, Inc.
116-C Oliver Building
Boston 9, Mass.

THE STUDY has a long double desk with work space and built-in file cabinets for both Mr. and Mrs. Gropius. Opening it off at either end are the living room and entrance hall; there is also a door leading directly to the outdoors. The wall of glass brick which separates the study from the adjacent dining area curves inward to give the living area an effect of openness greater than its actual footage.
At night, when the lights are turned on in the dining room on the other side, the whole place becomes suffused with light. A comfortable, steady light for daytime work is provided by the wide, north-facing window above the desk.

DOVER CREST modern

All the deep, luxurious comfort of traditional chair designs interpreted in handsome, modern styling... plus such expensive details as solid, blond hardwood frames... plump, resilient cushions... and a tremendous range of fine, decorator fabrics at each price! See 20 different styles at leading department and furniture stores near you. Write, we’ll tell you where.

Club Chair $97.95 (4 other styles to choose from) $79.50
Ladies’ Channel Back $97.95 (4 other styles to choose from) $69.50
Man’s Oversize Lounge $97.95 (7 other styles to choose from) $89.50

LEWITTES & SONS • 171 Madison Ave., New York 16, N.Y.

The Heatilator™ Firepace draws the cool air from the floor level, heats it, and returns it to far corners of the room. Assures warm, uniform and uniform room temperatures. Ends the waste and bother of furnace fires on cool spring and fall days. Augments furnace heat during severe weather—serves as an auxiliary heater during fuel shortages, or emergencies. The only heating equipment needed by many homes in mild climates.
Architects and heating engineers recommend the Heatilator Fireplace to solve the heating problem in basement rooms. Ideal for summer homes. Makes camps usable earlier in spring, later in fall and for winter week-ends.

DURABLE HEATILATOR UNIT

CIRCULATES HEAT

The Heatilator unit is a scientifically designed steel form around which any style fireplace is easily built. It serves as a form for the masonry, eliminating faults of construction that commonly cause smoking, leaves materials and labor—adds little, if any, to the cost of the completed fireplace.
For lasting satisfaction, insist on the unit that has been proved for 21 years in homes and camps all over America. Look for the Heatilator name on the dome; it’s your protection—refuse substitutes. Sold by leading building material dealers. Write today for free illustrated folder.
Now you can put twice as much in your closets—and keep everything much neater!

MODERN HOUSE CONTINUED

BUILDING DATA

FOUNDATION: Fieldstone walls; cellar floor—3" concrete on gravel; damp-proofing on outside wall


ROOF: Fir boarding and joists—strapping, covered with 5-ply, 20-year Bond roofing—The Barrett Division, Allied Chemical & Dye Corp.

INSULATION: Outside walls and roof—Samuel Cabot, Inc.; weather stripping—Alhna Shade Co.; sound insulation in living room, acoustical plaster—California Stucco Co.

DOORS: "Sundial"—M. & M. woodworking Co.

CEILINGS: Fir joists, strapping, metal lath plaster—National Gypsum Co.

FLOORS: Living room, bedrooms—carpet-covered; halls—cork; kitchen, bathrooms—linoleum

HARDWARE: W. C. Vaughan Co.

PAINT: Bathroom walls, exterior and interior sash, Dutch Boy lead and oil—National Lead Co.; ceilings, Muresco—Benjamin Moore Co.; floors, wax—S. C. Johnson & Son, Inc.

ELECTRICAL INSTALLATION: Wiring system, switches—General Electric Co.; light—(Continued on page 111)

SO NICE TO COME HOME TO HOT BUTTERED RUM
made, of course, with MYERS’S
"Planters' Punch" Brand JAMAICA RUM

HERE’S HOW:
Pour 2 ozs. Myers’s Rum into large cup.
Add 2 or 3 tsps. sugar, 2 tsps. butter, and 1/2 tsp. cinnamon, cloves, or mixed spices. Fill with boiling hot water and stir well.

For That Extra Wealth of Flavour
The Rum MUST be MYERS’S!

Write for free recipe booklet of delicious drinks made with Myers’s Jamaica Rum.

R. U. DELAPENHA & CO., INC.
Sole Distributors in U. S. A.
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REDUCE family colds, coughs, raw throats with MOISTURIZED AIR

NEW FRESH’ND-AIRE

GUARDS AGAINST DRY, OVERHEATED AIR!
Also filters out dust, dirt, smoke, pollen. Washes air. Keeps air properly moisturized, crystal clear... Protects home furnishings.

$59.50

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Send booklet explaining benefits of moisturized air and proper room conditioning with Fresh’nd Aire.

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221 N. La Salle St., Chicago 1, Ill.

Send booklet explaining benefits of moisturized air and proper room conditioning with FRESH’ND-AIRE.
People from all parts of the United States and Canada agree that St. Petersburg, on Florida's beautiful Gulf Coast, is an ideal place for a winter vacation. In this "Sunshine City" they find a remarkable combination of those advantages and attractions which make life pleasant.

All kinds of fun under the sun; something to do and enjoy every happy hour. Increased accommodations, reasonable living costs, traditional hospitality.

For illustrated booklets write today to G. R. Davenport, Chamber of Commerce — St. Petersburg, Florida.

**CORRECTION**

In the October issue of House & Garden, two lamps shown in the Continental Scrapbook were incorrectly credited. The metal floor lamp on page 132, ascribed to Stillhove, is an Edizione Arleluce, design by Gino Sarfatti. The standing lamp on page 133, described as from Arie e Luce, is an Edizione Arleluce, design by Franco Duzzi, architect. Arleluce S.A., a firm specializing in lighting, has its offices in Milan, Italy, at Corso Matteotti, 12.

In the December issue of House & Garden on page 199, Interchemical Corporation's "Highlander Plaid" is a Sanitas fabric wall covering.
Money is unimportant here!!

This is the Land of Cockaigne.

It's a wonderful place where the houses are built of cake, and shops are eager to give you their merchandise for free.

Here, roast geese and other fowl wander about inviting folks to eat them. Here, buttered larks fall from the skies like manna.

Wonderful place, Cockaigne... this Land that's always free from want... where business cycles are unknown... where money is unnecessary.

Only trouble is you won't find this mythical place on any up-to-date map of the world.

We live in a land blessed with plenty—true enough. But the rub is that we will always need hard cash to buy the things we want.

You will need money to make a good down payment on a new home... to send the children to college when the time comes... or to keep well-supplied with fine food and little luxuries when it comes to time to retire.

One of the best ways you can assure yourself that you will have the money you need for the things you want later in life is to salt away some of the money you now earn in U. S. Savings Bonds.

These Bonds are the safest in the world. And they make money for you. Each $75 you save today will grow to $100 in just 10 years.

So start saving now... the automatic way, on the Payroll Savings Plan where you work, or buy them regularly through your bank or post office.

AUTOMATIC SAVING IS SURE SAVING—U. S. SAVINGS BONDS
TABLE SETTING continued from page 78

**GRACEFUL SIMPLICITY AT A SMALL, INFORMAL DINNER**

The china, white with a pink border and a fine gold outline, is Wedgwood’s “Lady Jane Grey” pattern; the 10-inch dinner plates are $105 a dozen. To match them, Léron’s embroidered organdy mats and napkins are white with a pink appliqué motif, $125 for a 17-piece set. The silver, reflecting the ornate trend, is “Grand Baroque” by B. Wallace & Sons, $34.78, including tax, for a six-piece place setting at Altman’s. Cut crystal is “Maryland” by Halsey & Co. The goblets and champagne glasses cost $42 a dozen, respectively, at Ovington’s.
If you are a sincere lover of fine music, we will send you, FREE, one of the Society's Limited Edition recordings. We offer this purely as a demonstration of the remarkable tone quality of these high-fidelity records. You are not obligated to return the record in any case. All we ask is that you listen to it. Only by actually hearing one of these discs yourself can you appreciate their extraordinary clarity and tonal beauty.

With it we will send our free brochure telling how you can be told how you can be proud possessor of the new TIMELESS works of Schubert, Haydn, Beethoven, Mozart, Schumann, Mendelssohn, Tchaikovsky, Verdi and the like. Our free brochure tells the whole interest. The records come in luxurious maroon leather boxes. Each contains one record. Since only a limited number of these records is available, we suggest you send in the coupon at once. We will send you a copy of our free style folio and the name of your nearest dealer. Write for free brochure and the name of your nearest dealer.

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South Haven, Michigan

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The records come in luxurious maroon albums bearing your personal subscription number. They will soon grow into a treasured group of "collector's item" albums which only this inner circle of music lovers can possess. Yet these "custom-made" recordings cost only a few pence more than commercial discs.

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Please send me, without cost or further obligation, the free high-fidelity demonstration record.

Name:
Address:
City Zone State:

Savings Bonds

BUY

Here is more information on mantels and fireplace equipment, pages 68-69.

Prices are approximate, stores are in New York.

Page 60
Upper photograph
Modern oak mantel with peckled finish, $195. Virginia greystone facing. $80. Brass and black fireplace set, $95. Scroll andirons, $125 pair. All from William H. Jackson Co.

Accessories: Shadow boxes (upper left to right), "Arc du Carrousel," $80; "Vue de la Façade du Temple de la Gloire," $65; "Arc de Triomphe de l'Étoile," $75. Shadow boxes (center left to right), with hunting figures, $65; brass military button, $25; military theme, $175; flags, $40. Soldiers (lower left to right), $175; brass torch appliqué, $35; "Place Vendôme," $125. Reed & Stevenson Inc.

Lower photograph
French Provincial walnut mantel, $425. Three antique brass tools, $80. French Provincial brass andirons, $70 pair. Brass fender, 42", $75. Antique iron back plate, $75. All from William H. Jackson Co.

Accessories: Barometer, $175; carved wood plaques, $35 pair; bronze busts, $185 pair. Reed & Stevenson Inc. Old Vienna porcelain bowl and plate, $135. Alfred Orlik, Inc.

Page 69
Upper photograph
Early American antique pine mantel, $250. Antique tongs and shovel, $50. Antique brass andirons, $95. Fender screen, 38" x 31", $45. Tôle wood box, $75. All from William H. Jackson Co. Provincial armchair with checked seat pad, $750 pair. James Amster. Wallpaper by Imperial, $2 roll.

Accessories: "Rooster" painting by Ben Zion, $800 framed, Bertha Schaefer Galleries. Antique Delft covered jars, $250 pair; antique Nankin saucers on Chinese walnut stands, $16 each. Hadleigh, Inc. Bronze eagle on marble base, $15. Reed & Stevenson Inc.

Center right photograph


Accessories: "Picture Frame" painting by Alfred Orlik, Inc.

Center left photograph
Louis XVI mahogany bookcase, $1,500, from William H. Jackson Co. Antique brass andirons on carved wood stands, $275 pair.

Paul Revere and early American silver, $105-200. Reed & Stevenson Inc.

Galleries. Antique Uelft covered jars, $250 pair; antique Nankin saucers on Chinese walnut stands, $16 each. Hadleigh, Inc. Bronze eagle on marble base, $15. Reed & Stevenson Inc.

Brass and black fireplace set, $95. Scroll andirons, $125 pair. All from William H. Jackson Co.

Our free brochure tells the whole interest. The coupons will bring it to you, together with the free demonstration record. Since only a limited number of these records is available, we suggest you send in the coupon at once.

CONCERT HALL SOCIETY, INC.

Please send me, without cost or any further obligation whatever, the free high-fidelity demonstration record.

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ELECTRIC TOOLS • STEEL STRAPPING

THE GREATEST NAME IN TOOLS
R. US. Pol.

TRIMMING made EASIER

with the electric GRASSHEAR

Use a Stanley Grasshear to trim all your paths, borders, fences, banks, around flagstones in a matter of minutes. Saves 9/10ths of your trimming time, operates from standing position—no more stooping! Blade action pulls grass into cutter head ... cuts grass right up to house foundation, tree trunks, fences. Plugs into house current. Every home-owner will find it a labor and time-saver. Write for catalog. Stanley Electric Tools, 481 Myrtle Street, New Britain, Conn.
Gardening
The Garden Beauty Book shows azaleums in seven new colors. Obtained by careful hand breeding, these flow- ers, reaching two inches across, form a continuous color display from August until heavy frost. Many garden flowers are pictured, in six colors. Two other books—Pools O' Beauty, 50c, and Fruit, Fan and Dollars, 10c—round out gardening references, R. M. Kel- legg Co., Box 352, Three Rivers, Michigan.

"Everything for the Garden" tells how, where and what to plant, describes new varieties, colors, garden equipment. You'll be interested in the Henderson collection of annuals which includes larkspur, carnation, zinnia, aster, marigold and several other favorites. Planting instructions are given. 25c. Peter Henderson & Co., 36 Henderson Blvd., 35 Corlindal St., New York, 7, N. Y.

Two Greenhouses—Orly and Solar—contribute to your gardening pleasure. Year round, flowers bloom in the Solar greenhouse—made in 14", 18" and 25" widths, any length in 8", 7" or 6" sections, and in 10" or 11" Orly, which comes cut-to-fit for easy erection on your grounds. Lord & Burnham, Dept. H, Irvington, N. Y.

A Seed Catalog spotlights tuberous begonias. These exotic camellia-flowered plants thrive equally well in your house or garden. Plant details describe them as having large double blooms, all colors mixed. Marigolds, petunias, lilies and many other favorites are pictured, and outstanding vegetable selections are listed. W. Atlee Burpee Co., 390 Burpee Blvd., Phila- delphia 32, Pa.

Rose Book guides you to the All-America Prize Winners, popular roses, hybrid teas, hybrid perpetuals and climbers. Horticultural suggestions, devoted not only to roses, describe planting and care of delphiniums, phlox, lilacs, jacks- onia. W. Atlee Burpee Co., 435 Rose Lane, Newark, New York.

Bulb and Plant Catalog has a variety of garden subjects for spring planting. Described are gladiolus, dahlias, begonias, lilacs, irises, perennials. Color photographs point out the beauty of lovely gardeneds. Suggest hybrid roses and highlight well-remembered garden favorites. Flowerfeld Bulb Farm, Dept. 11. Flowerfeld, L. L., New York.

A Horticultural Book-Catalog is arranged for easy reference. Its index guides you to pages of roses, lilacs, gladiolus, petunias, lilies, azaleums, begonias, irises, an outstanding flowering shrub section. Plant charts are elaborated by color photographs. Cultural notes are a help to gardeners. A second book, "Lovely Lawns," describes the making and maintenance of lawns. Chapters on soil, seed watering and repairs will help you to select and plant grass seed. Illustrations and plant suggestions show the various types of seed to plant for specific results. Associated Seed Growers, Inc., HG 1, New Haven, 2, Connecticut.

Decorating
"The Story of Pacific Sheets" tells how these firm cotton sheets are made, and illustrations acquaint you with the mechanics behind the scenes. Grades of Pacific balanced sheets are given, and a chart will help you decide upon sizes. A page indicates how to add to sheet longevity. Pacific Sheets, 214 Church St., New York 13, N. Y.

"What Goes with What?" contains a planning sheet on which to record your about your rooms. Five decorating steps are listed with an eye to over- all room arrangement. Rug colors are shown and applied in color sketches of various rooms, and there is a special section on carpet care. 25c to Anne Mason, HG 1, James Lees & Sons Co., Bridgeport, Pennsylvania.

"Precedent" Furniture by Drexel is contained in an impressive white portfolio. Vivid full-color pages of 25 different room settings will give you an accurate picture of this new modern furniture. You'll like the Drexel headboard, "Bed of Roses," which comes in sections, has automatic heat, ventilation and watering. Materials come cut-to-fit for easy erection on your grounds. 25c. Drexel Furniture Co., HG 1, Drexel, North Carolina.

"Tips on Towels" is a handbook to towel buying. Towel sizes and supply are discussed. Kind and quality are discussed. Two pages describe the buying hints you'll want to know, such as weight, hems and selvages, quality and label. Terry towels in color, in white and with various weaves and designs are displayed as gift suggestions. Decorator-suggested towel and bathroom wall finishes are listed. The text tells how to launder and care for terrycloth towels, and there are three pages of suggestions for converting worn towels into useful household objects. Martex, Wellington Sears Co., HG 1, 65 Worth Street, New York, N. Y.

Heating
An Equipment Publication pictures heating, water, air-conditioning and plumbing for every type of house. Hand-fired or automatic equipment can be used with varied types of architecture. Bathroom plumming fixtures are illustrated in color. American Radiator & Standard Sanitary Corp., HG 1, 1 P. O. Box 2226, Pittsburgh, Pennsylvania.

The Development of Home Insulation is recounted in "Comfort That Pays For Itself." Filled with factual data, the booklet describes rock-wool insulating fiber. How it is produced, the protection it offers in summer and winter, and diagrams the critical areas into which crewmen blow the rock wool. Johns-Manville Corp., HG 1, 22 East 40th St., New York 17.

Textbook for consumers and technicalers in the Central Control of Radiant Panel Heating." The theory of controls for panel heating is the subject of the first part of the book. Functions, requirements and materials list of heating. The later chapters deal with application of controls—elec-
In FERGUSON furniture, three vital features insure years of loveliness. Properly seasoned, lustrous wood—careful craftsmanship in each detail—inspired designs that find endless uses in any decor.

And, if you're bridge set minded—only FERGUSON'S occasional and game room tables, cellarettes, record cabinets and TESTED bridge sets.

Turntable

This list of recent recordings will help you to enjoy your favorite music at home.

Chopin: Preludes, Opus 28. Adding to an already impressive list of Chopin recording, Artur Rubinstein has turned to the Preludes, conveying with exactitude their familiar charms. RCA Victor Album DM-1260; $6.

Benjamin Britten: Four Sea Interludes from Peter Grimes. Sir Malcolm Sargent and the London Symphony do a forthright job with these evocative portraits of a coastal village. Columbia Album MX-303; $3.50.

Scarlatti Sonatas: Six diversified, pristine sonatas are performed on the piano by Vladimir Horowitz with his customary brilliance and a wider range of coloristic effects than is usual. RCA Victor Album MO-1262; $3.50.

Mozart: Concerto No. 7 for Three Pianos. An agreeable bravura composition is gloriously performed by Rosina Lhevinne and Vronsky and Babin with the Little Orchestra Society. Columbia Album MM-771; $4.75.

Songs of Irving Berlin. Six of Mr. Berlin's most deservedly popular songs are delivered by Risé Stevens, whose warm, mezzo-soprano voice goes very well with their romantic sentiments. Columbia Album MM-784; $3.90.


Cocktail Capers. Agreeable, sophisticated arrangements of popular tunes mostly on the old side, are played by the Art Van Damme Quintette, a quiet-ly-behaved group that is easy to listen to. Capitol Album CC-105; $3.15.

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