ROYAL CREST STERLING'S "Castle Rose"
accompanies:
China --- PRINCESS TRU TONE CHINA
Glass --- LIBBY "CONFECTION"
Linon --- A KATZ
Centrepiece --- RUTH JOYCE
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Nothing in the world takes the place in your heart of solid silver.
Nowhere in the world — silver more beloved than Royal Crest Sterling — first choice of first families. And now, through an exclusive Royal Crest plan, almost everyone can own this lovely solid silver. Royal Crest is always shown in your own home. For a private showing, write Royal Crest Sterling, Newark, New York State.

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You can sit—and children can play—next to windows like this without feeling chilly. With Thermopane® insulating glass, the inner pane stays warmer in winter. All your floor space is usable...there is no “low-comfort” zone. That means a lot in small rooms, especially. Another thing...with Thermopane you won’t have your view shut off by frost. The air space sealed between the panes of Thermopane minimizes condensation, cuts fuel bills, saves heat. And in summertime it helps keep heat out. Rooms stay cooler. Thermopane is available in over 80 standard sizes to fit most windows at low cost. For more details, write for our Thermopane book.

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MADE WITH POLISHED PLATE GLASS

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House & Garden
ON YOUR NEWSSTAND, JANUARY 19

new trend!

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the contemporary story
of communities built by
cooperative planning...
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fresh ideas on Gardening, new slants on
Entertaining, “how-to-do-it” information to
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complete, fill out coupon and mail:

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A GUIDE TO THE WORLD’S MOST BEAUTIFUL ROSES IN YOUR GARDEN AND IN YOUR HOME!

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JACKSON & PERKINS NEW 1951, 48 PAGE, FULL COLOR

Catalog of Roses
AND
Perennials

Year after year, the demand for the Jackson & Perkins Rose Catalog has increased tremendously—and even though we keep printing more and more copies each year, we never seem to have enough to go around. Now, the brand-new 1951 edition of this world-famous J&P Rose Catalog is ready. While we have printed the greatest number of copies in our history and can fill many more requests than ever before, we cannot guarantee that you will receive your FREE copy—unless you mail the coupon below right now!

Once you actually see this new 1951 J&P Rose Catalog... once you feast your eyes on the scores of glorious, colorful, easy-to-grow J&P Roses—you’ll quickly understand why more and more gardeners every year look upon it as their complete guide to selecting, planting and growing the world’s finest roses in their gardens! And you’ll see how you, too, can have Prized Roses in your garden and in your home! Read, below, a description of this brand-new Spring 1951 J&P Catalog—then mail the coupon for your free copy!

A FEW OF THE JACKSON & PERKINS STYLE LEADERS FOR 1951

GOLDEN SCEPTER
(Pat. 910). A new yellow Hybrid Tea—with long buds opening into majestic 9½” blooms.

VOLCANO
(Pat. 951). Carmine buds expand to 6½” glowing cherry-red blooms. Very fragrant.

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(Pat. 789). Entirely new color—coral-pink suffused with gold. 5-time Award Winner.

NEW YORKER
(Pat. 823). BEST red rose of all time! Fragrant 6½” blooms from June until frost.

OPERA
(P.A.F.), Gold Medal Winner from France. 6” blooms—scarlet red, buff-yellow on reverse.

In this new 1951 J&P Catalog, you will find hundreds of beautiful Floribundas, Hybrid Teas, Climbers, Tree Roses—ALL in glowing FULL COLOR. You’ll see all the new J&P varieties... Opera, Volcano, Golden Scepter, etc. You’ll see all the established favorites... Fashion, New Yorker, Diamond Jubilee, etc... roses that have made Jackson & Perkins famous throughout the world! You’ll see breathtaking Climbers like Aloha and Blaze that will cover your porch, walls, fences with thousands of gorgeous blooms! Yes, you’ll see all of these... and many, many more—J&P PRIZED ROSES that require no more care than ordinary roses, yet which will add new beauty, glamour and color to your 1951 garden!

MAIL COUPON NOW!
You’ll also find a wide selection of hardy J&P Perennials, including 6 new extra-large September blooming chrysanthemums. Furthermore, there are many helpful planting hints and gardening suggestions—plus money-saving group offers! ALL plants are guaranteed to live and bloom! Remember, our supply of this new 1951 Rose Catalog is limited—so be sure to get your free copy by mailing the coupon now!

JACKSON & PERKINS CO.
330 Rose Lane, Newark, NEW YORK

Please send me a FREE copy of your big, new Spring 1951 Rose Catalog picturing and describing the newest and best in easy-to-grow J&P Modern Roses and Perennials—all in full natural color... and containing helpful information about successful gardening.

Name: ____________________________
Address: __________________________
City: __________________ Zone: ______ State: ______

No matter how many we print we never have enough—so mail coupon NOW!
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The Flamingo Hotel on Biscayne Bay
15 acres of tropical beauty―swimming pool; sand beach; palapas; children's playgrounds; outside buffet; championship tennis courts; putting green; shuffleboard; badminton; private yacht harbor; golf privileges at exclusive Miami Beach Club; nightly entertainment on the ocean. For illustrated brochure and full information write James Barker Smith, Vice Pres., The Flamingos.

The Colony Hotel
Luxurious and spacious. Flowers of every kind. Catering to every Miami visitor of every degree. Write for rate schedule.

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The Monson. Historic hotel with original furniture, yet top-flight in appointment. Comfortably furnished, mail and room service. Phone switchboard, excellent dining room. Tennis, Riding, 5 miles of private beach. Fishing, Water sports, 18-hole golf course and rate schedule.

New Jersey

Punta Gorda
Hotel Charlotte Harber. Ideal climate. First-rate golf, tennis, pool and sea bathing, private beach. Floyd Alford, Jr., Owner-Mananger.

LANEWAY INN

The Venetian

MIAMI

The Towers Hotel
Miami's finest Apartment Hotel. Conveniently situated downtown location, facing Biscayne Bay. On through route to all attractions. Moderate in price, yet top-flight in appointments; comfortably furnished, mail and room service, phone switchboard, excellent dining room, plus apartment privacy and elbow room, ample parking. Write for new color folder—The Towers, 12246 N. 2nd Ave., Miami, Florida.

The Huntington Hotel

The Vinoy Hotel
Largest, finest hotel on West Coast. 525 rms. Famous Tampa Bay, Outdoor swimming pool, Res. only, Sturlel& B. Besnette, Mgr. Bus.

Orlando

Orlando Hotel for a restful vacation in an atmosphere of charm and refinement. American Plan, 812 per day and up per person.

GRAND HAVEN

The Casa Marina
Where Spanish charm blends with America's finest weather. Directly on the ocean. Deep sea fishing, golf, tennis, pool bathing, saddle horses, nightly entertainment and dancing under the stars. Delicious cuisine. American plan (3 meals daily), James J. Fitzpatrick, Vice-President and General Manager.

NEW MEXICO

Lakeview Inn

ORLANDO

The Vinoy Park Hotel. Large, fashionable hotel, 525 rms. Known as the most luxurious place in Florida, on the beach. Excellent cuisine. For reservations, mention Atlantic City. Joseph L. McDonald—Gen. Mgr. Write for folder 21.

CHARLESTON

The Cloister

Talk of the Town

New Hampshire

Buck Hill Falls

Skytop

Skytop Club
At Colonial Williamsburg

Virginia's old capital extends an invitation to gardeners

T. L. WILLIAMS

Skiing in Europe

Switzerland

ST. MORITZ. The Corviglia dominates skiing here. Its funicular takes expert skiers up some 1,600 feet. There is a great deal to do besides ski, hence a greater percentage of older people than other resorts. Stay at the Palace Hotel, one of Europe's great resort hotels, Suveretta House, the Kulm, Caspar Badrutt.

DAVOS. Generally considered to offer best skiing in Switzerland, it has the world’s longest run, the Parsegg, and the largest Swiss ski school. Stay at the Derby or the Fluela Sportshotel.

KLOSTERS. Growing fashionable with people who want to ski the Parsenn but avoid the crowds. Stay at the Chesa Grischuna and the Grand Hotel Vereina.

ZERMATT. At the foot of the Matterhorn, Zermatt has become one of the gayest post-war ski-spots. Best in March and April. Stay at the Hotel Mont Cervin, Zermatt, or the Grand Hotel des Alpes.

MEGÈVE. From December to March Megève is full of sun and abundant with snow because of its proximity to the glaciers and the Mont Blanc mountain mass. It has the largest branch of l'Ecole National du Ski Français, also night clubs with Paris entertainers like Piaf. Stay at the Résidence or Mont d’Arbois, about 10 minutes away by sleigh or motor.

VAL d’ISÈRE. A beautiful high-altitude resort at the bottom of the Isère Valley and close to the Iseran Pass, it is linked to the Bourg-Saint-Maurice by three avalanche-proof tunnels. The snowfall is heavy and good from November 1 to May 15. Stay at the Solaris, the Relais or the Parisien.

Austria

ST. ANTON. Native town of Hannes Schneider, Eddi Mall and other great skiers. Cable railway, lifts, a wide variety of slopes, a number of attendant diversions. Stay at the Post, the Alpenrose, the Schwarzer Adler, the Messerkreuz.

ZĪRBS. One of the smallest resorts, set in a valley at the summit of Flexen Pass. Stay at the Zîrserhof, the Lorinscher, the Alpenrose, the Edelweiss.

KITZBÜHEL. Probably the most gemütlich village in the Tyrol. You’ll find yourself in Tyrolean clothes, eating Toni Praxmeier’s cakes, possibly yodeling. Stay at the Grand Hotel, the Reich.

BAD GASTEIN. The old spa has a new cable car and lifts, a variety of other winter sports. Stay at the Europe or the Strausberger (famous for its Sacher torte).

INNSBRUCK. The ancient capital of Tyrol offers, besides skiing, a number of other winter sports and sporting events. Stay at the Arlberger Hof, Hotel Europa, the Maria Theresia. Needed: a permit from the Allied High Commission Office for Germany, New York, Washington.

France

CHAMONIX. French resorts have developed enormously since the last world war, and Chamonix, in the middle of the Arve valley, between Brévent and the Massif of Mont Blanc, is the capital of them all. The new cable car which climbs up to the Col du Midi means that you can ski here into August. There are also night clubs, gambling at the Casino. Stay at the Majestic, the Grand Hotel des Alpes.

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ITALY

SESTRIERE. In the Alps at 6,676 feet, the Sestriere Pass provides a wide variety of runs and touring grounds, facilities for other winter sports in a fashionable milieu. Stay at the Hotel Principi di Piemonte, the Hotel Duchi d’Aosta.

VALTURNOnnn. On the Italian side of the Matterhorn (or Cervino), this winter resort is prominent in the history of alpine climbing. It provides high-mountain skiing, excursions on minor peaks. Stay at Hotel Cervinia, Hotel Gran Baita.

PONTE DI LEGNO. Becoming increasingly popular, this resort not far from the Swiss border is especially good for ski-touring. Stay at the Grande Albergo Savoia.

CORTINA D’AMPEZZO. Its exquisite scenery, well-organized ski fields and fine modern hotel accommodations have contributed to Cortina’s rapid rise in popularity. Situated in the Dolomites. Stay at the Hotel Majestic Miramonti, Cristallo Palace.

ABETONE. One of the most important winter sports centers in Tuscany with beautiful tours to Monte Majori. Stay at the Hotel Excelsior or Abetone e Piramidi.

SPAIN

LA MOLINA. Within the limits of the city of Alp, in the Catalan Pyrenees, La Molina is one of the finest Spanish ski centers. It is less publicized than the resorts of France, Switzerland and Austria as the Spanish do not try to compete with them, but its virtues should not be slighted. They include town and chalet-lifts, and a variety of runs from Font Canaleta and Super Molina for experts to others for beginners. Season from December through March. Stay at the Solineu, the Sitjar.

SIBM. Scenically the most fascinating area for winter sports in Spain, Núria is in the Oriental Pyrenees, 2,000 meters above sea level. It is reached by train and funicular from Barcelona, has numerous town and lifts, runs for both beginners and experts. Season: December to April in the valleys, through May higher up. Stay at the Hotel del Santuario de Núria.

NAVACERRADA. Situated in the Sierra de Guadarrama, not very far from Madrid. Reached by train or motor. Has a lift, jump, varied runs, ski instructors. Stay at the Hotel Arias or the Hotel Pasadoiro.

Scandinavia

NORWAY. Skiing originated in Norway in the stone age as a means of transportation, and today it seems as though every Norwegian skis. You can combine the urban comforts of the Grand Hotel and Hotel Bristol in Oslo with skiing at Holmenkollen, 20 minutes from the city. Other centers are Finse, roughly midway between Oslo and Bergen, where you can ski all year: Gello, not far from Finse, with the excellent Dr. Holmes Hotel; and Lillehammer, about four hours from Oslo, with the longest lift in Scandinavia.

SWEDEN. Another country of ardent skiers. Sweden has a great variety of slopes from Lapland down to the provinces of Dalecarlia and Värmland. The season is generally from December through April; in the north longer. Some outstanding resort hotels are the Abisko Turiststation at Abisko, Lapland; the Storlens Högfiällshotell at Storlien, Jämtland; the Sälen Kur & Högfiällshotell at Sälen, Dalcarlia; the Hamrafjällets Högfiällshotell at Finnsålen in Härjedalen and the Vålådalen Turiststation at Vålådalen in Jämtland.

TRANSPORTATION

The following airlines and steamship companies will get you to the European skiing countries.


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SITJAR. Scenically the most fascinating area for winter sports in Spain, Núria is in the Oriental Pyrenees, 2,000 meters above sea level. It is reached by train and funicular from Barcelona, has numerous town and lifts, runs for both beginners and experts. Season: December to April in the valleys, through May higher up. Stay at the Hotel del Santuario de Núria.

NAVACERRADA. Situated in the Sierra de Guadarrama, not very far from Madrid. Reached by train or motor. Has a lift, jump, varied runs, ski instructors. Stay at the Hotel Arias or the Hotel Pasadoiro.

The following airlines and steamship companies will get you to the European skiing countries.

In the spirit of the letter

Whether you are sending a formal invitation to a new acquaintance or rambling on to an old friend, your notepaper should be smart. From these styles, select the one that fulfills your needs, suits your personality.

**PARTY INVITATIONS** gain distinction from the folded Baronial note, right, in Crane's pearl white kid finish with a gold bevel edge which calls for gold monogram. 100 notes, 100 envelopes cost $8.

**A COUNTRY ADDRESS** would be suitable die stamped in fine lettering on the Music Gray Orleans half sheet, left. Lines, gray on white, run diagonally on the envelopes. You get 51 sheets, 50 envelopes for $3. Not available before January 1.

**CLASSIC, IMMACULATE**, the kid finish, pearl white Orleans letter paper, right, would suit any man, appeal to a conservative woman. The sheets are double-folded. 51 sheets and 50 envelopes cost $3.50.

**WRITE casual notes on kid finish Wedgwood Blue Edith half sheet, left, bordered top and bottom with darker blue. 51 sheets, 50 envelopes, $3.50. These available after January 1.**

**MAN-SIZE** (sheet is 10" high)
Raveledge vellum white Alhemarle single paper, right. 100 sheets $3, 100 envelopes $3.60. All stationery shown on this page by Crane available at Lord & Taylor, New York.

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**FIREPLACE**

**WARM S ALL THE ROOM, EVEN ADJOINING ROOMS**

Build your fireplace around the Heatilator Fireplace unit and enjoy the cheer of an open fire plus cozy warmth in every corner of the room. The Heatilator Fireplace saves heat usually wasted up the chimney. Draws air from floor level, heats it, and circulates it to warm all the room and even adjoining rooms.

**Will not smoke**
The Heatilator unit is a scientifically designed steel form, complete from floor to flue, around which any style fireplace can easily be built. It assures correct construction, eliminates common causes of smoking. Best of all your Heatilator unit adds little to the cost of the completed fireplace. It provides all the vital parts of the fireplace — saves the cost of a separate damper, firebrick, and masonry otherwise required — and on most jobs reduces time and labor.

**Cuts furnace operation**
A Heatilator Fireplace makes furnace fires unnecessary on cool Spring and Fall days, cuts weeks from the furnace season, dollars from fuel bills. Use it to supplement furnace heat during bitter weather or as an auxiliary heater in case of fuel shortage or furnace repairs. In mild climates the Heatilator Fireplace furnishes all the heat needed by many homes.

**PROVED BY 24 YEARS USE**
Your fireplace is a long term investment. Get the one fireplace unit that has proved itself in thousands of homes for 24 years. Look for the name "Heatilator" on the dome and damper handle of the unit you buy. Accept no substitute. See it at leading building material dealers everywhere. Mail coupon today! Heatilator, Inc., 741 E. Brighton Ave., Syracuse 5, N. Y.

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**HEATILATOR FIREPLACE**

**This phoii.nograph view of the picture above shows how the Heatilator draws in air at floor level...heats it and circulates warm air to all corners of the room.**

Ideal for basement recreation rooms Makes summer camps usable months longer

*Heatilator is the reg. trademark of Heatilator, Inc.*

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741 E. Brighton Ave., Syracuse 5, N. Y.

Please send free booklet showing pictures and advantages of the Heatilator Fireplace.

Inherited Good Taste...

*a joy forever!

You recognize her instantly... the woman whose taste is inherited... whose sense of beauty is poised and sure. She enjoyed the happy privilege of learning early the little amenities that smooth the social pathway. And she's careful to give her daughters the same training.

Dinner is a rite in her home... the table beautifully arranged even for the simplest family meal. Of course, there are always candles—tall, graceful Taperlites to shed their flattering glow on crystal and silver. Beauty that is reflected in the easy grace of her children's manners.

Be Sure You Get

Taperlite

Buy Taperlites by the dozen at your favorite store... packed in convenient pairs in the distinctive new "Two-Pack"!

Choose from lovely Taperlite colors to match your grief, the pattern of your china, the color of your centerpiece or the major decorative accent in the room.

WILL & BAUMER CANDLE CO., Inc., Syracuse, N.Y.
Leading Craftsmen in Candles for nearly 110 years

Turns with a corkscrew

These ready-made cocktails involve minimum space, effort

Wether you spend your winter holiday along the Gulf Stream, in a ski spot or stay at home, cocktail parties are sure to be included among your activities. The thoughtful hostess wants to provide a choice of refreshments for her guests, yet she may lack the space to store the numerous ingredients that go to make old-fashioned daiquiris, whiskey sours, Manhattan, martinis. The solution is the time-saving, ready-made cocktail, five varieties of which we show. By speeding preparations, it allows you to enjoy more minutes with your friends. You need add only ice to it for, in the case of the Manhattan and the Gibson, even the garnish has been thoughtfully included by one maker. All taste as well "on the rocks" as shaken. With a mere three bottles on hand, you can provide a barman's choice, feel like an invited guest.

AFTER A WINTER'S DRIVE,
a Manhattan or a Gibson. Crosse & Blackwell have cherries in the top of the first; onions with the second, both in separate sections of the bottles. Lined pigskin gloves cost $12.50 from Abercrombie & Fitch.

FOR A COCKTAIL PARTY,

BEFORE FLYING TO EUROPE, a toast with old-fashioned or an extra-dry martini. These from Hiram Walker & Sons, Inc. Old-fashioned glass is $1.75, Bloomingdale's; the Bessa camera, "Voigtlander," $40, Abercrombie & Fitch.

Cannon shopping guide

You'll find Cannon's "DuBarry" towel—shown opposite—featured at better stores, including:

ATLANTA—Rich's
BALTIMORE—HUTZLER'S
BIRMINGHAM—Burger-Phillips
BOSTON—Filene's
BUFFALO—J. N. Adam & Co.
CHICAGO—Mandel Brothers
CINCINNATI—Alms & Doeke
CLEVELAND—Holle Bros. Co.
COLUMBUS—F. & R. Lazarus & Co.
DALLAS—A. Harris & Co.
DAYTON—Rike-Kumler Co.
DENVER—The May Co.
DETROIT—J. L. Hudson Co.
FT. WORTH—W. C. Stripling Co.
HARTFORD—G. Fox & Company
HOUSTON—Foley Bros.
INDIANAPOLIS—The Wm. H. Block Co.
LOS ANGELES—J. W. Robinson Co.
LOUISVILLE—Stewart's
MIAMI—Burdine's
MILWAUKEE—Boston Store
MINNEAPOLIS—The Dayton Co.
NEWARK—Bamberger's
NEW ORLEANS—D. H. Holmes Co. Ltd.
NEW YORK—R. H. Macy & Co.
OAKLAND—H. C Capwell Co.
PHILADELPHIA—Strawbridge & Clothier
PORTLAND—Meier & Frank
RICHMOND—Miller & Rhoades
ROCHESTER—Sibley, Lindsay & Curr Co.
SAN ANTONIO—Joske's of Texas
SAN DIEGO—Marston Co.
SAN FRANCISCO—The Emporium
SEATTLE—The Bon Marche
ST. LOUIS—Scruggs-Vandervoort-Barney Inc.
SYRACUSE—Dey Brothers
TOLEDO—LaSalle & Koch
WASHINGTON—Woodward & Lothrop
Oo la la! — look what’s here!
Another Cannon charmer, named in honor of the lady who snared so many hearts! DuBarry would adore the roses Cannon’s wrought into this new towel design. Almost like damask — it’s so soft, so rich, so outright romantic to have around today! Of course, with the famous golden Cannon label that marks the freshest towel fashions, the finest towels made. At leading stores — in dreamy colors: Petal Pink, Aqua, Mimosa Yellow, Flamingo, Citron and White. Complete matching ensembles. Bath towels about $1.98.

CANNON MILLS, INC., 70 Worth Street, New York City 13
Towels • Sheets • Stockings • Blankets • Bedspreads

for towels to treasure
Picture this sectional sofa in your living room! Lovely, isn't it?... Sofa and tables are covered in genuine Masland Duran all-plastic upholstery... so beautiful on all styles of furniture for any room in your home.

All plastics are not the same! Only MASLAND makes DURAN. This tag is your protection.

THE MASLAND DURALEATHER CO.
Write for these booklets

GARDENING

Garden Gems contains one of the world's largest listings of roses, including the All-America Rose Selections chosen over a ten-year period, and an excellent rose index. Featured here also are perennials, azaleas, flowering shrubs, climbers, vines and other plants. Bobbink & Atkins, HG 1, E. Rutherford, New Jersey.

Wayside's catalog stresses, as always, excellent cultural notes to guide you in the growing of roses and lilacs, gladistics, iris and a large group of perennials. A complete index is helpful. 50c, in coin or stamps. Wayside Gardens, 30 Mentor Avenue, Mentor, Ohio.

Rose Book and Garden Catalog features the All-America rose winners, also popular favorites. The latest and best perennials and perennials are described for your selection. High-lighted are the sweet pea and zinnia Kolorcoat Seeds. Coated and individually colored with the shade the flowers will be. Germain's, Dept. HG 1, Los Angeles 21, California.

The Parade of Modern Roses and Perennials contains the outstanding new roses of the year, as well as Fashion, the greatest award winner of all time, and Color Harmony. A top red rose; also many tree roses, floribundas, climbers. Jackson & Perkins, 330 Rose Lane, Newark, New York.

Ferry's Home Garden Guide lists average hard-frost dates, includes plant guides for vegetables, flowers, cultural notes and an extensive collection of seeds. Instructions are elaborated by diagrams. Ferry Morse, HG 1, Detroit 31, Michigan.

Star Roses, Spring 1951 presents an outstanding collection of roses of all types, illustrated in full color. The largest known group of miniature roses offered in this country and new large Star Rose varieties are shown. Also featured is a fine selection of garden chrysanthemums, other excellent new perennials. The Conard-Pyle Co., HG 1, 60 W. 40 St., N. Y.


Garden Specialties 1951 catalog includes among its prize-winning varieties: ageratum, alyssum, snapdragon, cleome, Golden African daisy, Larkspur, scabiosa, lupines, marigold, Petunia Snowstorm. You can have flowers all summer long, and each collection has a planting layout which you can rearrange to suit your preferences and garden needs. Peter Henderson & Company, 36-1 Henderson Building, 35 Cortlandt Street, New York 7, N. Y.

Armstrong Nurseries 1951 catalog has First Love on its cover. This new rose in a down-pink shade has long urn-shaped buds, delicately shaded flowers, pointed petals. Bravo, a bold red rose and Sattler's Gold, a three-medal winner, are available in this selection of fine roses. Armstrong Nurseries, 407 North Lemon Ave., Ontario, Calif.

Garden Grandeur has Diamond Jubilee and the New Yorker, two fine roses, on its cover. Inside the book the top ten All-America Rose Winners for all time are pictured, along with the 1950 winners. A 1951 collection shows 10 all-time favorites, hybrid teas, floribundas, climbers. Arp Roses Inc., P. O. Box 178-J, Tyler, Texas.

Vaughan's Garden Book presents flowers, vegetables, depicted in full color, elaborated with cultural notes. By following directions, you can produce a garden of flower favorites and one filled with choice vegetables. Vaughan's Seed Co., Dept. Bl, 10 W. Randolph St., Chicago; 49 Barclay St., New York 7.

Totty's catalog has hybrid delphiniums on its cover. Shown inside are new varieties of English and Australian chrysanthemums, as well as U. S. introductions, Golden Scepter and Orange Delight, two fine roses, are among the favorites, and a surprise element is the dwarf hollybush "Pompadour" which has not been grown here before. Catalog, available late January, is 25c.

Totty's, Dept. G 1, Madison, N. J.

DECORATING

Color your home with fabrics tells you about Waverly Bonded Fabrics. They are cleverly designed for easy and exact color harmony so that whatever your preference, you'll find it made by Waverly in either solid color or pattern. You'll want to invest in Waverly Fabrics to provide a brilliant accent in town house or country. 10c. Waverly Bonded Fabrics, Div. of F. Schumacher & Co., HG 1, 60 W. 40 St., N. Y.

World's most beautiful lighters titles an Ascot folder which shows the Pagoda table lighter, shaped in the Chinese style, the Heritage model, the Classic (Grecian in design) and many styles of pocket lighters designed to please everybody. ASR Products, Lighter Division, HG 1, 315 Jay Street, Brooklyn, New York.

From American Sands and Artists' Hands is a picture story about handmade glass. It tells what glass is composed of, describes the processes of making it, and the men and women who work to make the fine glass you buy for your table. 25c. Viking Glass Company, HG 1, New Martinsville, West Virginia.

Color Harmony Kit has 10 basic-color crayons, planning sheets, color charts and a booklet of ideas for decorating. Instructions tell you how to sketch color schemes and each planning sheet, when sketched, shows as many as 6 different schemes for rooms. Price is 25c.

For a bathroom that excites admiration, architects and builders suggest style-matched plumbing fixtures. For extra beauty, we suggest Eljer, in lovely pastel colors, or immaculate white. You will get quality; the finish of Eljer Fixtures cannot fade, become dull or lifeless. Bathubs have an extra-thick enamel coating, fused to a rugged, rigid, cast-iron base. Vitreous China Lavatories and Closet Combinations resist stains and are impervious to all ordinary acids, because they are real china. So, be sure... write Eljer Plumbing Fixtures into your plans.

Ask your plumbing contractor, builder or architect to help you select the exact combination of fixtures you want for bathroom, powder room, kitchen or laundry. For free booklet, write Eljer Co., Box 102, Ford City, Pennsylvania.
**Shopping**

You may order all merchandise shown in Shopping Around (editorially and in advertisements) by writing directly to the shops. Enclose check or money order, as few of them handle c.o.d.'s.

You may return for refund any item not personalized if you return it promptly by insured mail and in an unused condition.

**To dangle from your bangle.** This most ingenious device, most useful fashion accessory is a sterling-silver coin holder for your lucky silver dollar, your choice foreign coins. Easy to adjust to your bracelet. $1.50 ppd. for 1c, 5c, 10c size; 82 ppd. for 25c, 50c, 81 size, Fed. tax included.

Wayne Silversmiths, 546 S. Broadway, Yonkers, New York.

**Handi-Hooks. How many times have you wanted a temporary hook in a convenient place — in the bathroom, in the car, kitchen or most anywhere?** These little plastic hooks with their suction cup fasteners are the answer. Up or down in a jiffy without marring the wall — they may be attached to any smooth surface and will support up to six pounds. Ideal for children because they can be placed anywhere. Up or down in a jiffy without marring the wall. $1 size. Fed. tax included. $1 size. Fed. tax included. $1 size. Fed. tax included.

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Why risk disappointments or expensive alterations? Build a 1/8" scale model of your dream house with Plan-O-Blocks. See it from every angle . . . after in advance to fit your needs. No top–acreate enough for your estimate. Standard set makes the needs of modelers. See us sketch of your own design . . . or we'll send you our file.
AROUND

Linen Club. Perfect for bride-to-be, bride or established housekeeper to join. Through it you can order your heart's desire: a small, medium or large trousseau. The 96-piece one (the largest) is $299.75, all monogrammed. Send for a complete description of the three to Franklin-Bayer, The Linen Shop, 630 N. Michigan Avenue, Chicago, Ill.

Repoussé silver, gleaming crystal, a charming accessory for tea table or cocktail tray. Or use these two lovely pieces for tiny hot canapés or stuffed eggs. Sterling-silver rim, fork handle decorated with repoussé roses. Center of dish is crystal. About 5", $12.60 ppd. tax incl. Nelmor Jewelers, 901 Bergen Ave., Jersey City, New Jersey.

French Limoges five-sectioned dish for your favorite hostess. About 11" in diameter, it has a soft white background, brilliantly colored birds, flowers and leaves. The well-balanced handle and graceful rim are trimmed in gold. Wonderful relish or candy dish, $90 postpaid. Alfred Orlik, 745 Fifth Avenue, New York, N. Y.

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$1.69 Each

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Hapalong for the evening bath. And most young 'uns will hop right into the tub without a sound if their towels and washcloths have Mr. Cassidy’s likeness (large size, too) reproduced on one end. Three-piece set $3.95 ppd.; the plasticine saddlebags to hold the towels $2.95 ppd. Order from Pee Wee House, Calver City, California.

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Golden apple (not the apple of discord, however). It's a

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On the Cover: Flowers of spring: Primulas from the collection of Bobbink & Atkins, photographed by Grigsby. For names of each variety, write to House & Garden’s Reader Service, 420 Lexington Ave., New York, N. Y.
Good gardener, good citizen

Like the eternal rotation of moisture (clouds to rain to rivers to ocean to clouds again), there is a constant turnover of solid elements on the earth's surface. If permitted to follow nature's slow course, no element in this terrestrial scheme is wasted. But the impatient human race has broken the cycle and, in so doing, has destroyed more than it has gained. Our century is the first one in which man is trying to put back some of the riches he has taken from the soil. Today, armed with new scientific knowledge and encouraged by the work of such men as Fairfield Osborn (Our Plundered Planet) and Louis Bromfield (Malabar Farm), every one of us should be a good gardener-citizen. The threat of war makes this co-operation with nature all the more urgent, suggests the need of a full-scale garden program to back up our growing state of preparedness.

Every man, woman and child who can put hand to hoe should see that the land produces not only quantity but quality, since the nutritional elements which plants draw from the soil determine both our national state of health and of mind. How important is this good gardening program? Just this important: today there are less than two acres per capita of productive land left to feed the world's millions. This does not mean that you need to grow vegetables (or crops) exclusively; there is an eternal human need for beauty, just as there is for art and music. Your flowers fulfill this need. Grow them for themselves or as decoration for your house. Throughout the year, House & Garden devotes many of its pages to good gardening techniques. In this issue, which marks the opening of the growing year, we bring you not only articles on the practical aspects of gardening and farming but also a foretaste of the beauty which may be yours from the first days of spring.

Opposite: Fruits and vegetables

Let this plant portrait inspire you to grow your own fresh produce. It can be easily managed if you follow the simple directions and the ground plan on pages 46-47.
Torch is a distinct dwarf form of the brilliant Mexican sunflower, *Tithonia*. It grows three to four feet (instead of six), is easy to care for, sturdy, resistant to heat and disease, Silver Medal Winner in this year's All-America Selections in annuals.

*For more annuals see page 38.*

Perennials for 1951

Inspiration, coupled with detailed plant knowledge and endless patience, is needed to produce new plants. Before he can attempt to apply the laws of Mendelian heredity, the hybridizer must have some idea of what he is aiming for. He makes his crosses, grows thousands of plants and looks among them for the few which have new and desirable characteristics. In the days of the great plant explorers, many new flowers came to us from all over the world. Although some still come in this way, the great majority of new plants are the result of the plant breeder's art. The best examples of his work are grown and tested for a number of years, then produced in quantities great enough for you to buy them for your garden. This year, among the new perennials ready for the avid gardener, quite a few come from English and European growers. In addition to conducting their own hybridizing, our American growers have traveled widely and searched arduously among offerings of foreign nurseriesmen for novelties still unfamiliar here. There are many plants which may have been known to the botanist or a select few for some time but have not until now been grown on a commercial scale and brought

(Continued on page 96)
Formal garden

Beds of tulips interplanted with blue Phlox divaricata, and English primroses edged with low box are shaded with a circular group of apple trees in this Grosse Pointe garden of Mrs. Wesson Seyburn, designed by Bryant Fleming.
Plan your garden to suit your taste

In the very small area of her Grosse Pointe garden, Mrs. Robert Stoepel has skillfully combined bulbs and perennials in great variety to give her pastel colors from spring to fall.
In the garden of Mr. and Mrs. John R. Black in Dallas, Texas, landscape architect J. O. Lambert, Jr. used azaleas to create a natural effect beneath native trees.
Create natural pictures with rocks, trees, perennials and bulbs

In this delightful border of her Cape Cod garden, Miss Mabel L. Riley successfully combines such rock plants as sedums in variety, English daisies and ferns with sturdy perennials, *Yucca filamentosa*, shrubby cotoneaster and mountain laurel.
Use winding paths, marsh plants to build an informal water garden

In the six years that have elapsed since the fall hurricane which devastated so much Cape Cod property, Miss Mabel L. Riley of Cotuit has completely rebuilt her lovely informal gardens. Within 100 feet of the sea she has created a series of fresh-water pools and winding paths. Fast-growing Golden Wisconsin weeping willows combined with both tropical and hardy water lilies give an Oriental effect to the upper pool, shown here. A curving path of flagstones surrounded with grass is edged on the water side with ferns and Siberian iris, on the far side with a neat border of pachysandra. Beyond are perennials backed by shrubs.

Opposite

HARDY HYBRID WATER LILIES, PLANTED IN TUBS, PRODUCE COLORFUL FLOWERS IN PINK, YELLOW, WHITE FLUSHED WITH PINK AND PURE WHITE.
New colors and shapes for your garden

by CHARLES E. DILLON, plantsman of Santa Barbara, California

Winter's blasts may be blowing hard, but the arrival of your new seed catalogs this month heralds the return of spring and the beginning of another year's gardening activities. Almost before you take down the Christmas greens or write all your thank-you notes, the 1951 catalogs, decked in brilliant covers, begin to arrive in the daily mail. Many familiar old favorites are listed, but among them, often presented on special opening pages, you will find the novelties and new introductions that will add zest to your planning. These new annuals will contribute new color, new forms, new interest to your garden. Most of them result from years of careful and often tedious work by our imaginative plant hybridizers.

Tetra snapdragons, Antirrhinum majus tetraploid, are not completely new but their continued development since their first introduction a few years ago has produced stately plants and flowers of great distinction. Three very special new ones have been developed by the United States Department of Agriculture. With much larger flowers than the ordinary diploid snapdragon, the spikes are also fuller. Rust-resistant, rich-colored foliage is topped by flowers that have a heavy, opulent texture and a velvety sheen in the summer sun. The spikes are filled with florets that blossom clear to the top, eventually attaining a height of three to four feet. These snapdragons are named Deep Salmon Pink, which is darker than Apple Blossom; Bright Rose, a medium pink with very large florets; and White Rose, a bi-color. The throat of the latter is almost white. A touch of yellow on the tip of the jaw with shades of white and rose throughout the floret gives a variegated effect.

In addition to the usual colors, the new Naramek strain of tall giant-flowered snapdragons also produces striking two-tone flowers in varying shades of pink-rose, yellow-bronze, yellow-ruby and orchid-rose combinations. Plants reach a height of three feet.

(Continued on page 94)
LUPINE PIXIES’ DELIGHT
Clusters in clear, pastel shades top delicate soft green pea-like foliage.

Right: Marigold Glitters, on long firm stems, excellent for cutting.
ALL-AMERICA BRONZE MEDAL WINNER

TETRA SNAPDRAGONS IN NAMED COLORS
White Rose, Deep Salmon Pink and Bright Rose grow on 4'-5' stems.

NEW HYBRID ZINNIA RIVERSIDE BEAUTY
Airy, curled petals in bright pastels characterize this new form.

Distinctive in both solid and two-toned hues; very hardy.
NARAMEK STRAIN TALL GIANT FLOWERED SNAPDRAGON

FRILLED PETUNIA BELLE OF IRELAND
Edges of emerald green contrast with rosy tones.
Five hybrid tea roses:

1. BRAVO
2. GOLDEN SCEPTER
3. FORTY-NINER
4. FIRST LOVE
5. MRS. MINIVER

HOUSE & GARDEN, JANUARY, 1951
Brilliant colors and fragrance mark these new roses.

The great choice in this year’s many new roses should give real impetus to your forthcoming garden plans. There are five brilliant reds, four romantic pinks, a deeper-than-usual yellow, a glowing orange that opens to a warm apricot, a group of sub-zero hybrid teas, a white addition to the Pinocchio group and even a dark red miniature rose.

Opera, French in origin and winner of the Gold Medal for the most beautiful rose in France, is distinguished by the gay form and color combinations of its bloom. The long-stemmed buds are almost bicolor, with a suffusion of golden yellow at the base and scarlet at the top. The petals quill slightly as the 6” flowers open and the color becomes a light flaming scarlet-red with buff-yellow on the reverse. Opera’s long stems make it excellent for cutting. Jean Gaujard was the originator.

You will want to try Rose Valentine for a low hedge or border. This free-flowering floribunda bears large clusters of semi-double crimson flowers, blooming intermittently from early spring to late fall. The plant is low, compact and bushy, growing from 18” to 24” high, with a corresponding spread, and will give your garden a colorful display all through the summer.

Another large, double red rose is Bravo. Its cardinal-red almost iridescent flowers, produced on long stems and sometimes in clusters, are from 4” to 5”, opening from plump buds to a broad open bloom with ruffled petals. Bravo prefers brilliant warm sunshine, where it will bloom profusely without fading.

Happiness, known as Rouge Meilland in France, where it was originated by Francis Meilland, is another brilliant red rose especially good for cutting. The buds are flaming red, opening to crimson-carmine or royal rose-red with a coppery sheen; the petals curl to points in layer after layer around the solid, pointed center. The plant sends up vigorous, long stems. You will want to cut the buds and let them open indoors, where you can enjoy them at close range.

Its fruity fragrance and glowing color make Volcano desirable for mass plantings as well as for indoor arrangements. Strong and bushy in habit, the long, slow-opening deep carmine buds become cherry-red flowers, 6” to 7” across, softening to deep pink at the finish, a handsome... (Continued on page 98)
Berries are easy to grow

by GEORGE L. SLATE

Dr. Slate is Pomologist at the New York Agricultural Experiment Station, Geneva, New York.

Berries are the best of fruits to grow in your garden. The plants on which they ripen produce a spring-to-fall harvest which is delightful to eat and far less trouble than tree fruits. The smaller fruits need little or no spraying (some attention with a hand sprayer or duster is generally enough). They begin to bear early in June, demand relatively little space and no heavy machinery. Choose the site of your berry patch with care if you want it to succeed. All these fruits need good drainage and at least moderately fertile soil, well supplied with organic matter. Gardens on good farmland generally have soil suitable for berries. Avoid heavy, wet or gravelly soils, coarse sands and fills. Beware of soil which has never been used before. Blueberries need a light, porous soil on the acid side with a pH not much higher than 5.5 (neutral is 7.0). Avoid clay soils with a high pH (becoming alkaline) for they are wholly unsuitable. If you have a choice, set your strawberries in the lighter earth, your currants and gooseberries where it is heavier. You will have least trouble from fungus diseases if your plants are in full sun with good air circulation. Low spots surrounded by higher land are frost pockets and will reduce your strawberry crop. Also avoid the shade and root competition of large trees. Wild raspberries on waste land or in fence rows, or run-out, cultivated raspberries often harbor diseases and insects that will spread to your new planting. Therefore, eliminate them before the new garden is started. A chemical brush killer will do this quickly and cheaply. Clean out perennial weeds, especially quack or witch grass and bindweed, before you plant your berries. Grass sods are often infested with white grubs, which feed on strawberry roots and kill (Continued on page 87)

Coville and Berkeley blueberries
These two recent introductions in cultivated blueberries are noted for their very large fruits with firm, crisp flesh and light blue color. Coville extends the season.
Red Rich everbearing strawberry

This new strawberry carries the honey sweetness and everbearing quality of Wayzata, the firm dark red flesh of Fairfax, the two parents used by hybridizer Marion Hagerstrom. It is a sturdy, large grower, disease resistant.
Small kingdom of his own

by JEAN HERSEY, author of "I Like Gardening"

A child's garden is a world where he is king. Here not only flowers grow and vegetables ripen, but something is always happening. A cheerful hoptoad suns each morning on a warm rock in the lee of a zinnia plant. A praying mantis arrives for a visit, climbs a marigold and frowns on the toad. Bumblebees buzz among the blossoms, hummingbirds come and go and a tiny goldfinch enjoys a daily dust bath in the shelter of a bright blue morning-glory. Whether the younger in your life is four years old or fourteen, he will take to gardening as enthusiastically and gaily as a horse to pasture. And it is doubly exciting if he himself plans and plants so this small domain reflects his own ideas. At the start he will naturally turn to you for help. Arouse his interest, present the possibilities, explain the fundamental rules, shed vast amounts of encouragement but no more. Let him do the doing.

Begin with all the cards stacked in his favor: good rich soil, plenty of sun, a location near the hose so water needn't be carried far. Most important, have the over-all garden so small that the child can easily care for it alone. A garden four feet square with a three-step flagstone walk through the center is ideal for a four-year-old. Nine feet square fits a nine-year-old to perfection and a border fifteen-by-five satisfies the boy or girl of fourteen. Children change enthusiasms rapidly. One week they love their gardens madly, the next a new rabbit hutch must be built. But soon they are back to horticulture, excited and thrilled at the growth and change. If the garden is sufficiently small, a short half hour repairs each period of neglect, removes weeds, restores order.

A child likes things to happen fast. Next week is a year away. He wants seeds that sprout in a rush, plants that grow rapidly, are foolproof, and can take neglect. There are a few sturdy perennials impervious to drought and to being ignored, but for the most part the ideal plants for a child's garden are annuals. They grow quickly from seed, bloom in a hurry and profusely all summer; they are a tough and hardy lot. Their seeds are unusually interesting too. Some are large and nubbly like nasturtiums. *Arctotis seeds resemble miniature rabbits* (Continued on page 90)
A primer of vegetable gardening

by PAUL W. DEMPSEY, author of "Grow Your Own Vegetables"

If you have never eaten vegetables a half hour or less after they have come from the garden, you have never tasted them at their best. Many of them are more than 90% water; some possess a highly elusive sugar content. Once they are picked, changes take place rapidly, particularly when the day is hot. So if you really like fresh vegetables, why not grow them this year in your own backyard? Planning a garden is both patriotic and entertaining, and now is the time to start.

You will be surprised how relaxed and refreshed you will feel after a winter evening spent looking over gaily-colored seed catalogs. Make up your mind what you would like to grow, create a garden in your imagination and then get out your paper and pencil and draw it. The first question is where to put your garden and how big to make it. Few gardeners have much choice as to the placement of a vegetable garden. Some of you will be limited also (Continued on page 92)

IN HIS CAPE COD VEGETABLE GARDEN, Charles L. Ayling plants the tallest crop, corn, at far end of garden. As early crops are harvested, soil is prepared to receive later ones; all fed plentifully for high yield.

HOUSE & GARDEN, JANUARY, 1951
ENHANCE YOUR VEGETABLE GARDEN with a flower border. The plan above, to scale, for a garden 30' by 50', includes a path, 3' wide, separating the vegetable area from the 3' flower border. Rows A, B and C are one foot apart, the rest 3' apart. For second plantings July 15 in row B, sow ½ to carrots, ½ to beets; in D, bush beans; in row E, Chinese cabbage. On August 1, plant row F to ½ cabbage, ½ broccoli, and ½ cauliflower; dates are for the Boston area.

GOLDEN ACRE is an excellent early cabbage. For a new Succession type, midseason one, try the All-America Bronze Medal winner, O. S. Cross.

KALE, A CABBAGE RELATIVE, has curly leaves, fine for fall and winter greens, best after touched by first frost.
If you have four children and a sizeable lot, it's a good idea to organize their outdoor play space as carefully as their quarters indoors. This is the plan architect Alexander Smith Cochran worked out for his own family. On the generous site in Baltimore, he has included such second-generation essentials as a sandbox, a ball diamond, a "tenting ground," all within voice range but not centered on the view from the wide living-room windows. Indoors, too, the house makes room for youthful exuberance. The playroom is large, has its own garden entrance and play terrace. Most of the lower story is floored with scuff-proof flagstone and asphalt tile; walls are natural plywood which tends to hide finger marks. Above you see the four youngsters—Sandy, Teddy, Gill and Carol—having their supper in the dining alcove of the large, family kitchen. In conservative Maryland, which numbers among its treasures countless great Colonial houses, this modern house is winning friendly approval for its good sense, its frank recognition of the new informality of today's living. Building data page 102.
CHILDREN ON THE BLUEPRINT:
COCHRAN HOUSE continued

The heart of the matter: a sound plan

WITH THREE LEVELS, A SPLIT STORY APART, THE HOUSE FOLLOWS THE CONTOURS OF THE LAND

SELF-CLOSING ELECTRONIC GARAGE DOORS HELP TO KEEP THE HOUSE LOOKING TIDY ON THE ENTRANCE SIDE

The two large photographs above illustrate a new trend in houses—the case of the disappearing service yard. Here, mechanization has taken command of laundry drying, kitchen waste disposal, trash burning. The last vestige is a closet beside the kitchen door for bottles, tin cans. An ingenious fence (number 4 in site plan), maze-like in form, encloses outdoor incinerator (5) as well as compost bin (6) for weeds and autumn leaves. Garden gear and wheeled toys go in the garage alcove.
HOUSE IS PLANNED TO OVERLOOK ITS LOT

By putting their house in the north corner, the Cochrans enjoy a view over their own land. Words and numbers in red show where children play: (3) Carol’s sandbox, visible from kitchen; (8) the tenting ground where they also build with sawbucks, odd lumber left from construction. A “billboard” fence (7)—now the children’s “fort,” later a background for sculpture—hides this juvenile world from the terraces (1, 2).

ADROIT PLANNING ALLOWS FOR FUTURE CHANGE

A family house leads as many lives as there are periods in a child’s growth. With four youngsters on their house plans, the Cochrans took special care to emphasize adaptability. Carol, aged three, shares a bath with her nurse (so that she can be heard at night with the connecting doors open). Later, her room will become a part of her parents’ suite (the closet will come out, a doorway will cut through to their bathroom). By removing a partition, two of the boys’ rooms will later be a guest room. In time, the playroom may be Mr. Cochran’s office at home. Household operations have been analyzed and reduced to a fine system. A chute in the upper hall carries soiled clothing to the laundry. After washing, out-of-season things go on shelves and hangers in the adjoining storeroom, linens into the upstairs closet. Each fireplace has its wood bin; each wing has its cleaning closet; waste baskets, ash trays empty into the incinerator through a chute.
CHILDREN ON THE BLUEPRINT:  
COCHRAN HOUSE continued

For children

IN THE UPPER HALL, a welded Plexiglas skylight nearly 35 feet long lets in the sun. Twin fans behind the louvered panel help cool the house in summer.

The children's rooms were furnished with an eye to the future. The simple modern chairs, built-in desk, chest and bookcase units are as well suited to the collegian as the 10-year-old. Their playroom is also calculated to age gracefully; when the emphasis turns more to books than building blocks, it will become their private sitting room. Adjacent is the heater room which the boys are gradually beginning to share with their father; it has an area set aside for a workbench, power tools and dark room. From here or outdoors the youngsters can go directly up to their rooms. The cork floor of the upper hall quiets their footsteps.

THE CHILDREN'S ROOMS ARE ALSO THEIR STUDIES
For adults

ENTRANCE HALL doubles as a gallery for the Cochran's growing art collection. On the living-room side, the pipe-supported exhibition wall makes a bookcase.

The Cochrans have a gift for spontaneous hospitality, rarely spend a week end alone. Because they like their friends to visit them en famille, they fitted the playroom with a closet for two folding beds, placed the adult guest room nearby. For large parties, their living-dining room extends nearly 40 feet; skilful lighting and furniture groupings make it comfortable for small gatherings as well. The north clerestory skylight serves to balance light streaming in from the window wall. Ribbed glass panels diffuse day and night lighting. For varied intensity, there are three series of fluorescent tubes.

CLOSET NEXT TO FIREPLACE STORES PAINTINGS
The kitchen is for the whole family, perfect for informal meals.

Auxiliary work space is for flower arranging, mixing drinks. Wine closet, water cooler are nearby. Note trash basket attached to bottom-hinged cabinet door. Telephone table extends into kitchen from main hall.

Storage wall between dining room and kitchen short-cuts the transfer of dishes. Platters are filled hot off the range, pushed through serving window to dining side. On return trip they go straight into below-counter dishwasher, back on the shelves when dry. Linens store flat on trays.

L-shaped kitchen concentrates main work areas in one section (right), uses the other space for dining, a flower sink (foreground) and a capacious wine closet.

The dining alcove off the kitchen is where the children have most of their meals. They fill their glasses from the water cooler at right. Bottles of soft drinks are chilled in a special top-loading compartment.
The kitchen is a room to live in, as handsome as any other in the house. The cabinets are natural walnut (same as in living-dining room), counters are stainless steel. The equipment was spray-painted House & Garden’s French Blue to match the Chambers range. Because Mrs. Cochran has a passion for neatness, the counters have sliding panels to conceal a third of their depth. Behind them she keeps canisters and small appliances ready for use. In summer, she serves meals out on the cool terrace; dishes are passed outdoors through the kitchen window.

SLIDING DOORS CONCEAL REAR THIRD OF COUNTER
Growing up in town

More than in the country (where they can work off surplus energy outdoors), children need house room of their own in town. Mr. and Mrs. Robert P. Lilienthal asked Worley K. Wong and John Carden Campbell to plan their San Francisco house so that their boys, Jimmy and Peter, should have their own dining alcove and a full half of the second floor. On these four pages you see how outdoors and in have been zoned to give two generations lebensraum. The youngsters have: their own bathroom, communicating with their parents’, their own rooms, a roof deck which they share, storage in the garage for outdoor gear and a lion’s share of the grounds, designed by the well-known landscape architects, Eckbo, Royston & Williams. For themselves, the Lilienthalas have wisely looked ahead to the day when the boys will want to use the living room and have added an upstairs study.

Opposite

A CLOSTERED WALK LEADS INTO THE HOUSE

In a nice compromise with the San Francisco climate (good but not always perfect), the entrance walk is partially covered. The varying widths of the roof form a charming pattern and allow sun to fall on the paving. The garage forms the left side wall, the house is at right. Plants are subtropical: fuchsias, sarcococca, jasmines and agapanthus.
The service wing and garage front the street

Children share but do not dominate the house. For themselves, Mr. and Mrs. Lilienthal have a spacious living-dining room and the garden becomes theirs in the evening when the tricycles have been garaged for the night. A propitious use of the small lot (which backs up against an old city wall) affords them a view over the Presidio from their dining room. For their convenience, a cupboard in the living room stores card tables; two others wall the dining room from the children's dining alcove. One of these houses a bar, the other is for silver, china, place mats, etc.

REDWOOD BENCHES in the secluded corner garden hold potted plants which bloom the year round. This patio is the central room of the house, enlarging the living room.

DINNER is served to Jimmy and Peter at the left; at the same time, the grown-up dining room, right, is in use. Cupboard wall divides generations.
NEATNESS is encouraged by capacious desks in both boys' rooms. They share a deck with a high railing.

JIMMY, a dog fancier, has wallpaper celebrating this interest. A radio is in his night table; bookcases are built in.

PETER can play indoors in his own room or out on the children's play deck, where this photograph was taken.

WITH PERFECT IMPARTIALITY, the upstairs is divided equally between the junior and senior members of the family. Children have desks in their rooms; parents have an alcove-sitting room. There are two separate decks, two bathrooms. Storage room, upper left, is balanced by bath-dressing room, upper right.

THE GARDEN is paved to double as a play yard where the boys tricycle far from the street. Their rolling stock has its own closet which opens into the yard. Additional storage is inside garage.

Building data page 102.
Through generation after generation of Beekmans, Livingstons, Astors, Dinsmores, Roosevelts and Delanos, the agricultural importance of the Hudson Valley as a "broad basket" has been kept in fertile trust. Today, on a series of interlocking estates from Staatsburg south to Hyde Park, the Valley orchards are fruitful, the fields are green, the barns are full. The old manorial dwellings facing the Catskills are as re­doubtably maintained as the land they stand on. "Ferncliff," Vincent Astor's farm at Rhinebeck, has been worked productively for over a hundred years. Among "Ferncliff's" large holdings, 800 acres are arable, 150 are hilly, 200 are rolling, 350 are in river bottom land, 2,000 are in woodland, 150 are in roads, buildings, fences, ponds and brooks. Since much of the Valley soil contains clay, Capt. Astor uses ground limestone with magnesi­um to correct acidity. All of the tillable farmland is planted to grass-legumes which supplies calcium stamina to herds, permits cattle grazing with min­i­mum of top-soil erosion. (Cont'd on next page)

THE VINCENT ASTORS' RHINEBECK FARM, "FERNCLIFF," HAS STONE BARNS BORDERING THE POND

Built in 1914 by architect Harrie Lindeberg, these all­purpose stone barns were designed to shelter Aberdeen Angus cattle in winter, store hay in silos as food for the herds, plus giving maximum sanitation with safety.
Hudson River scrapbook: 1790 to 1951

Fields are seeded with 60% brome grass with ladino, 30% timothy with alfalfa, 10% of birds-foot trefoil (legumes which hold moisture, send up nutriment and supply 1200 tons of hay a year for silage and pastures).

In addition to work on forestry and land reclamation, Capt. Astor and his farm manager, Le Roy Bannister, maintain a herd of 300 Aberdeen Angus whose beef yield is 100,000 pounds a year; 400 turkeys (finished off on walnuts and shot of port wine); 1800 laying hens which account for 43,000 dozen eggs, 15,000 pounds of poultry. The Hampshire sheep produce 5,000 pounds of lamb. From the Jersey dairy herd come 12,400 gallons of milk, 406 pounds of butter fat yearly. All of which testifies to wise soil conservation and sound agronomic methods.

On a smaller scale is the Lytle Hulls’ “Dinsmore Farms” whose land and barns are used by the Allan A. Ryan herd of Aberdeen Angus cattle in which Mr. Hull has a participating interest. Like “Ferncliff,” three-fourths of the Hulls’ 500 acres are planted to grass for feeding and grazing, and 100 acres to alfalfa which is stored in silos and is also baled. On both of these farms the number of men once required for field work and old-fashioned hand threshing has been reduced by using power tractors and cultivators, air-blast ensilage blowers for drying hay and separating grain from chaff, thus cutting overhead and giving a return on investment. (In 1949 at the Chicago Livestock Fair, the above herd’s “Eileenmere 1032” was international champion.)

Hudson Valley farmers have a neighborly accord in their agricultural theories and many are apostles of all-grass planting. Commenting on the productivity of farming along the Hudson, Mrs. William Osborn, whose house appears in the Family Album on the next page, says: “... Today, the places are still owned and lived in by descendants of the original owners who have adapted their way of life to present times. Many acres which were once parks and pleasure grounds are now sound working farms. Perhaps the old family shrewdness will last as long as love of land.”
THE HERMAN LIVINGSTONS' "OAK HILL" WAS BUILT IN 1790
Built by ancestor John Livingston, "Oak Hill" commands a 14-mile view of the Hudson. On its land is a superb grove of oaks. The house contains original portraits of the First Lord of the Manor, Robert Livingston (1654-1728) and his wife, Alida Schuyler.

THE OLIN DOWS' "GLENBURN" BUILT IN 1840 BY HIS GREAT-GRANDPARENTS
The loggia, enhanced by white oleanders and a pleasant fountain, makes a charming outdoor room where the Dows often gather.

MR. AND MRS. WILLIAM OSBORN'S "CALLANDAR HOUSE," 1790
A romantic colonnaded porch, much used by the Osborns when they entertain, looks across green lawns to hills beyond the Hudson.

Giant irrigator works in fields on the Astor Farm.

AT THE ASTORS' "FERNCLIFF," A ONE-MAN SPRAYER TRACTOR AT WORK
Oscillating as it sprays, machine reaches under the leaves and to tree tops. Huge irrigator (immediately above) diffuses water pumped from farm ponds over one and a half acres at a time, thus saving labor.
The Delanos have lived on the Hudson for one hundred years

The Delano mansion "Steen Valetje" (Dutch for "Beautiful Valley") was built in the era of red damask billiard rooms, piazzas, whist parties, costume balls. Vigorously Victorian, its elegance has remained unchanged. The land around it is landscaped in the style of Andrew Jackson Downing who was addicted to sentimental lawn statuary, gazebos and belvederes. Like many another family along the Hudson Valley, the Delanos were engaged in the China Trade as porcelains in the rooms attest.

In 100 years only three Delano ladies have reigned as mistresses of "Steen Valetje," receiving guests amid rosewood sofas, French clocks, Turkey carpets. Franklin H. Delano's bust (great-uncle of the late President) flanks the front door. The crystal chandeliers were recently electrified.
WALLS AND CEILING OF THE GRAND STAIRWAY HALL WERE PAINTED BY ITALIAN ARTISANS IN 1878
Skiers are hungry people

by FLORENCE BROEBEC

APETITES are born on snowy slopes. And if you are both a skier and hostess, you will not want to spend the afternoon cooking while your friends make the most of every sunny hour out-of-doors. The menus on this page are appropriately hearty and they will not tie you down unduly.

Their real secret is that after a minimum of preparation in the kitchen, they can be finished on a chafing dish, or kept warm on any of the excellent warmers which are now so plentiful. The pastry of that wonderful cheese and onion pie, quiche Lorraine, and of the two tarts, can be made a full day ahead and baked while you are eating your appetizers. The oyster pilaf and crab meat-ham rolls can be made without any fuss on a chafing dish. Salmi of beef is the most demanding dish in that it should be served promptly if the beef is to stay tender and rare but it requires little more than two minutes to cook. A full-bodied wine (remember this is hearty food and you will want a wine of real character) and plenty of coffee are indispensable. For the latter an electric coffee maker is valuable. Depending on your taste, you may want to add a green salad with a sharp dressing but you will find that a really hungry skier is more interested in hot foods. Appetizers can take the place of vegetables: stuffed endive, celery hearts, cucumber sticks, etc.

FIRST MENU

Thin slices of smoked sturgeon on narrow strips of pumpernickel
Quiche Lorraine*
Oyster pilaf*
Apples bourgeoise*
Coffee

WITH THIS MENU SERVE

Chilled Almaden Grenache Rosé or Alsation Riesling

SECOND MENU

Tray of stuffed endive, celery hearts, cucumber sticks
Crab meat-ham rolls*
Small buttered biscuits
Salmi of beef*
Pecan tarts* or cherry tart*
Coffee

WITH THIS MENU SERVE

Beaulieu Burgundy

*RECIPES ON PAGE 111

On the next six pages are ideas for parties

Ideas for parties

If you want to entertain amusingly yet keep within a young budget, take a tip from one of the four parties which we show you here and on the next five pages. In each of them, a bright idea has been carried through every phase of the plan. Menus are appetizing, appropriate, not expensive. The attractive accessories would give elegance to any party. A well worked-out scheme of entertainment gives a point to the evening, a fillip to the guests, earns a reputation for the hostess.

1. Stage a shish-kebab party in front of your own open fireplace

MENU

Shish-kebab
Endive and romaine salad, French dressing
Garlic bread
Roasted walnuts, fruits
Café Diable

WITH THIS MENU SERVE
Fountaingrove Pinot Noir

THIS party prolongs the lovely first moment in front of a bright fire all evening. A large table to hold the shish-kebab makings and a portable grill are the two main requisites. Let each guest thread his own skewer, cook to his own taste. With it, serve a cool salad, followed by a European fruit-and-nut course and Café Diable. After dinner, do one of the following: for highbrow guests, dig up magazines, scissors, cardboard and let them make montages; for middlebrows, play "Who Am I?" (see one of the new game books); for lowbrows, play snatches of old recordings, give a prize to the one who can name the most tunes.

HOWE TABLES, BLACK WITH GOLD (20" x 24"
22" HIGH, FOLDS TO 3"
$16, ALTMAN, N. Y.)
LACY CANED SERVING FOR
HORS D'OEUVRES, FRUITS AND NUTS
$6, LANGBEIN, BROOKLYN.

CRA.NE ATTACHES IN FIREPLACE

HAND-WROUGHT COPY OF ANTIQUE 5-PC.
COOKING SET ROASTS, GRILLS, BOILS.
BY WHANG HOLLOW TINKERS.
$30, HAMMACHER SCHLEMMER, N. Y.

HABITANT OCTAGONAL
PINE TABLE 52" x
18", $73, SLOANE'S, N. Y.

PARTY-PERFECT: Alcohol-proof myrtlewood plate $4, Rich's, Atlanta; stainless-steel rose-wood-handled flatware $25 6-pc. place setting, Langbein; Vincent Lippe brass serving skillet designed by Parzinger $9, Lord & Taylor; square-bladed shish-kebab skewers $7 for six. rack, Epicure's Mart, Greenwich, Conn.; Smillie brown plastic salad bowl $30, Altman, N. Y.

STEDE FIREPLACE COOKING TOOLS,
STAINLESS STEEL, HARDWOOD
HANDES, $9 EA., $25 SET, ALTMAN, N. Y.

CAFÉ DIABLE SET, EMPRESS-WARE.
COPPER, SILVER-LINED,
WITH LADLE $45, LEWIS & CONGER.

All prices approximate
2. Give a wine tasting instead of a cocktail party

In planning this, limit your choice to a few wines of a related type. White wine must be chilled, red served at room temperature and opened well ahead of time. Set up a long table with groups of clear glasses, begged, borrowed or rented, as each tasting (of about an ounce) calls for a clean glass. Between wines, clear the palate with a dry biscuit or a bit of cheese. Points on which to judge wines are: clarity, color, bouquet or aroma (both perceptible by sniffing) and taste. Hold the wine in the front of the mouth, then in the back, then savor the after-taste. By the end of the evening you and your friends will discover that you have palates and preferences, that wine connoisseurship is a lot of fun.

Props for wine drinkers: Myrtlewood hors d'oeuvres or cheese tray, hand-turned, alcohol-resistant, 16" diameter, $15, Woodward & Lathrop, Washington; Friedman silver-plated wine cooler is $28, J. E. Caldwell & Co., Philadelphia. Imperial “Etiquette” wine glass $1.65, champagne $1.80, Macy's, New York. The wines are listed above.
3. Give the teen-agers an evening of square dancing

ENTERTAINING the younger set is a sure recipe for gaiety. You need only the simplest of buffets, as there will be no lingering over the meal once the fiddler and caller get going. Set it up cafeteria-style, give every guest one job, such as serving and seeing that at least every two couples have a convenient folding table to put their plates on. Classic as the hamburger for this occasion, yet a welcome change of flavor, are the new frozen chickenburgers or frozen pizzas accompanied by coleslaw. Be sure to provide a thirst-quenching light wine-and-fruit punch to sip all through the evening. Useful props to keep up the pace are: real Japanese lanterns; a mechanical fortune teller; a wire recorder.

MENU

Hamburgers, chickenburgers on buns; pizza
Coleslaw
Potato chips with avocado and sour cream dip
Orange ice with ladyfingers
WITH THIS MENU SERVE
Fruit punch made with Fente
Bros. Livermore Sweet Semillon

WESTMORELAND MILK GLASS PUNCH BOWL SET $35;
MATCHING DESSERT PLATE $1.60, MCCREERY’S, NEW YORK.

MASSLINN NAPKINS $1.30 FOR 36.
CARSON PIRIE SCOTT, CHICAGO.

SPADE COOLEY’S SQUARE DANCES BY RCA VICTOR
$2.72 AND $3.25, DOUBLEDAY BOOK SHOPS.
WILCOX-GAY THREE-SPEED RADIO-PHONOGRAM-RECORDER,
18 LBS. $100, JENKINS MUSIC CO., TULSA.

ROLL-TOPPER TABLE BY DESIGN EXCLUSIVES $11, TODAY’S HOUSE,
NEW YORK.

SIMTEX “DEVON” TABLECLOTH $2,
BLOOMINGDALE’S, N. Y.
4. Give a supper for servicemen followed by an evening of singing

Perhaps your husband isn’t in the Army but the husbands of a lot of other girls are. To ask in a group of GI’s is not only natural in 1951 but can be a heartwarming affair all around. The mainstay of this meal is one generous hot dish such as a rice jambalaya or a spaghetti with meat or clam sauce (either of these is apt to be a refreshing change from the meals they get in the Services). Follow with a green vegetable salad, and then a classic old-fashioned dessert. You’ll want a party-size chafing dish or a big earthenware casserole on a hot table, for the food must be piping as well as plentiful. The men will be grateful if given something to do, so let one set up tables, another shake and serve the bottled cocktails and so on. Music breaks the ice fastest and an accordion player with a large repertoire gives the right atmosphere of genial informality. An open fire helps, too. By the time supper is over, your guests will be ready to gather around and launch into anything from school songs to the latest hits.
BLACK PLEXICLAS TRAY, $12.50, FROM KAUFMANN'S, PITTSBURGH.

BLACK PLEXICLAS TRAY.

KNOLL TABLES OF BIRCH; BLACK, WHITE OR RED ENAMELED TOPS, $49. NEW DESIGN, N. Y.

MINUETTA ACCORDION BY LA TOSCA, $225. FROM LYON & HEALY, CHICAGO.

BIRCH TRIPOD TABLE BY KNOLL, EBONY FINISH LEGS, $30. BALDWIN-KINGREY, CHICAGO.

HAM HOLDER WITH REED HANDLE, IN CHROMIUM, $19 AT RICH'S, ATLANTA.

COPPER CHAFING DISH, PARTY SIZE, HOLDS SIX QUARTS. $50 AT LORD & TAYLOR, N. Y.

HOTABLE SERVING CART DOUBLES AS BUFFET. RADIANT-HEATED GLASS TOP, WALNUT DROP-LEAF PANELS, $164. SLOANE'S, N. Y.

HOT FOOD STAYS PIPING ON THIS 20" PLATTER, $20. LORD & TAYLOR, N. Y.

All prices approximate.
Summer look in winter rooms

Eight points to remember:
1. A CHANCE OF PACE FOR YOUR ROOMS
2. LIGHTNESS, MOBILITY, ADAPTABILITY
3. SECTIONAL UNITS TO ASSEMBLE
4. MYRIAD PRETTY COLORS
5. NEW FINISHES AND FABRICS
6. DURABILITY AND EASY UPKEEP
7. GRACEFUL LINES, COMFORT
8. BASIS OF A SOUND INVESTMENT

If you are laboring under the delusion that summer furniture belongs only in the country, you are not moving with the times. In the country it is routine; in town it is a bonus. You can use it in every room in the house for its fascinating colors and cushion covers (this year more varied than ever before): in living or dining rooms as accents; in bedroom, bath or dressing room for its grace; in kitchen or pantry for its compact neatness: in playrooms and nurseries for its durability. Summer furniture is a good mixer and generally light enough so you can draw it into any grouping. Its versatility is on a par with the best of contemporary design. Sectional pieces fit together smoothly, tables serve you in infinite ways. All this is coupled with a happy ability to follow you out-of-doors in the spring, into the sun if you have a terrace or garden.

Linear design in charcoal black

Clean modern lines, crisp black finish and compact scale make this furniture, designed by Paul Laszlo for Pacific Iron Products, eminently suitable for either a town apartment or a country ranch house. The 34" x 54" glass-topped table is $100; armchairs with seat and back cushions $60 each; side chairs with two cushions $50 each. All of wrought iron at James McCreery in New York; The Dayton Company, Minneapolis.

Italian modern design in white

Designed by Tempestini, Salterini's wrought-iron furniture makes a point of the year's most arresting design trend: Italian. With purple, gray and Carnation, the 42" d. table ($140), armchairs ($48 each) and side chairs ($40 each) are urbane. At Bloomingdale's, New York; G. A. Stowers, San Antonio; Scruggs Vandervoort Barney, St. Louis. They blend well with Dunbar chests, $399 with drawers, $378 with shelves.

Prices approximate. Shopping data on page 114.
Scrolled in French fashion, aluminum furniture is feminine.

Today, serve breakfast beside your bedroom window; next June, set Lee L. Woodard's shrimp-pink cast-aluminum table ($190) and chairs with black duck covered cushions ($54 each) on the lawn outside. Disc feet prevent it from digging into carpet or grass. The thick glass top is elegant; innerspring cushions, tailored, comfortable. At Wanamaker's, Philadelphia; Marshall Field, Chicago; Rich's, Atlanta. This furniture is effective with De Gaal & Walker's upholstered French Provincial bed (price $375 in muslin).

Opposite

All-weather metal furniture has the air of bamboo. Indoors, make a small, intimate grouping of Molla's lightweight furniture designed by Lyman. It can encircle a table, face a fireplace or television set. Outdoors, focus it on a view, draw it up to a pool, around a shade tree. Sections of the sofa seat three, have grass-green Peruvian linen covers and are scaled so they can be assembled in many ways in large rooms or small. They cost $335 each in muslin; the 39" octagonal coffee table $155; the step-end table $75 at Bloomingdale's, N. Y.; Closson's, Cincinnati; Hemenway, New Orleans. The plant is Philodendron pertusum, commonly known as Monstera deliciosa. Prices approximate. Shopping information on page 114.
What makes a house comfortable?

Comfort is king today. You want houses that are easy to live in, easy to run, free of damp basements, chilly rooms, hard-to-maintain finishes, hot attics, etc. To that purpose HOUSE & GARDEN begins its 1951 building series in this issue. It will deal with factors that create a comfortable house—proper foundations and framework, insulation, heating and cooling, plumbing, lighting and electrical equipment, sun control, ventilation, finishes. Each month one of these subjects will be covered in our series as outlined here. They apply to a house you build, to one you remodel or maintain. To further the cause of good house design we are also building an actual Idea House on Long Island and will publish the story of its planning and construction along with this building series. It will not be a “dream house” but one which faces building and budget problems realistically. Watch for our story of its progress in forthcoming issues. It will be the first house in a series which we will sponsor in various regions of the United States.

February: Prevent cracks, creaks, leaks

Comfort begins with the bare bones of your house. The foundation must be sound and strong enough to support the weight of the house without yielding; the framework must be rigid and sturdy. If they aren’t, your house won’t be comfortable; floors will sag and creak, doors and windows will hang unevenly or jam, chimneys will draw poorly, you will have to struggle with cracking walls, insidious drafts, heat loss, seeping dust. Both foundation and frame also need protection from dry rot, termites, from shrinking and swelling. If you have a basement, you will appreciate the storage it gives you. But its usefulness is slight if it leaks or is damp, has a musty odor or moisture. To avoid such discomfort, you can use a dehumidifier to absorb condensation, grade the land or put in drain tile to eliminate surface water, waterproof the walls and floor or put in a sump pump to get rid of underground water. What you do depends on the extent of your particular problem and on whether you are dealing with an old house or one you’re building. If you build, choose a dry lot.

March: Build to withstand weather and wear

The outside walls and roof of most houses must shut out wind, hail, snow, frost, sleet and sun as well as rain. How snug and comfortable they keep you depends on the thoroughness of their construction and how well it matches the weather it encounters. For average climates, with both hot and cold weather,
most house walls are built in layers like a sandwich—interior finish, vapor barrier, insulation, studs or framework, sheathing and building paper, outside finish. Roofs are built in much the same way. The value of this construction depends on its weather-tightness; if rain or snow penetrates the joints in a brick, stone, shingle, clapboard or siding wall, or the crevices around windows, or the valleys or junctures of the roof, you will probably have a wet wall, a leaking roof, ruined paint or wallpaper, drafts, other inconveniences. Sound construction, good roof flashing avoid this.

Be mindful, too, of the durability of wall and roof materials—some will need painting, staining, waterproofing, pointing or replacement, some will be fire- and rot-resistant; others will not. In reckoning the ultimate cost, this can be a matter of much comfort or discomfort to your checkbook, as well as to you personally.

April: Keep winter heat in, summer heat out

No other building product does more to give you a comfortable house than the insulating material you put in your walls and roof. It works year round. It lessens the heat flowing out in winter, reduces the heat pouring in during summer. It creates pleasant rooms to live in because insulated walls, floors or ceilings won’t chill you in winter as cold, uninsulated ones do. Rooms won’t be as drafty or stuffy either; insulation lets you cut down the amount of heat you need which means lower temperatures and more even heating, fewer colds and a saving in fuel bills. It is also convenient in other ways: you won’t have to repaint your rooms or have curtains or upholstery cleaned as often because less heat moving through the walls means less dust circulating. Insulating materials also help to muffle outside noises. Remember that insulation should be gauged to the needs of the climate you live in, must be planned for your particular weather problems, heat, cold or both conditions. You must also choose among (1) a reflective type of insulating material or (2) one of the batts or boards that include a vapor barrier to eliminate condensation or (3) a loose fill material. See that your choice suits the construction of your house and is carefully installed. Don’t forget to include weatherstripping and storm sash in your house.

May: Include adequate ventilation

Unlike fish, who live in water, you need air. Air movement is important in your house for year-round comfort conditioning. It is an essential factor in heating and insulating but it is also important by itself in summer. You can get a nighttime breeze all through the house if you provide window openings at ground level (where air turns cool at night), then install ceiling and attic openings. Air will be pulled up through the house particularly if aided by an attic fan. You can also get effective cross ventilation in rooms if you have low window openings on one wall, high windows on an opposite wall. Cool air comes in the low openings, warm air rises and passes out of the high windows. You should also provide exhaust fans in baths, kitchen and laundry to carry off the humidity created there by baths, cooking and washing, and ventilate attics and roofs properly to keep them cooler in summer.

June: Control sun and shade for comfort

You can use the sun for its benefits and also mitigate its drawbacks. You can add its cheerful warmth for winter comfort and keep out the not-so-cheerful summer heat. Wide south windows let in desirable winter sun; a properly designed roof, a trellis or "eyebrow" will shade the windows when the sun is high in summer. You can also get summer protection by screening west windows (they get hot late-afternoon sun) with adjustable louvered screens, an arbor, a wall, ventilated awnings or other devices. The first goal of summer comfort is to keep sun from warming house walls and roof. Most heat gets in through the roof; a material that reflects sun heat or a roof spray will be desirable in hot climates; proper insulation and ventilation of the roof and attic space serves well in moderate zones. Shade trees, heat-reflecting screens, air conditioning, fans, are other aids.

Continued on next page
July: Run it with push-button ease

The flip of the finger required to turn a switch can now bring almost any kind of convenience or comfort to your house. Electrical equipment will run the heating system automatically, light the house, prepare, cook and preserve your food, wash the dishes, do laundry and housecleaning, improve indoor weather, nurture good health, entertain you via radio or television, perform other wonder-working services. You can use gas as well for heating, cooking and refrigeration. The smooth functioning of all this electrical equipment depends on correctly planned and installed wiring. It permits no overloaded circuits or insufficient power lines. You need a proper number of service conductors, enough branch circuits of adequate size to satisfy equipment and lighting needs. Lighting offers many new ideas for your house now and is more useful and adaptable. It is also better suited to eye health; it provides direct light for special needs in kitchen, laundry, bath, bedroom, study and also general light throughout the house.

types of rooms. Many can be damp-cloth wiped, are waterproof, free of joints or other trouble making, dust-collecting features. Some are fire resistant, others have sound-proofing or insulating qualities. Most are made in a wide range of colors.

Flooring is equally talented. Some products are dent-proof, non-slippery, non-inflammable, resistant to fire, grease and cleaners. Resilient materials, manufactured in tiles or in rolls, include rubber, linoleum, plastic and asphalt tile produced in an infinite number of flat or marbleized colors and cork which has its own natural tone. Wood flooring is also packaged in blocks or in strip form. Masonry materials such as slate, flagstone, marble, brick and tile are in new favor not only because they are easily mopped but because house heating coils used under them in new houses make them pleasantly warm instead of chilly under your feet.

August: Give it easy-upkeep finishes

Wear and tear, dust and dirt usually give walls and floors a sound drubbing. If their maintenance is a millstone around your neck, investigate some of the new materials. They can make your house considerably more comfortable because of their easy upkeep and their serviceability. They make it brighter too. Ready-made wall materials are of plywood, wallboard, wood, glass, plastic, wood veneers and fabric. They are made in room-size panels, in boards, tiles, wide sheets and rolls to fit various

September: Heat it with maximum effectiveness

How comfortable your house is in winter depends, not surprisingly, on heating. Ideally, heating creates an agreeable climate for you inside your walls while temperature drops and winds blow outside. How ideal this climate will be depends on a number of factors. One is the design and construction of the house. Are walls, roof and windows well insulated? Does it have southside windows to take advantage of sun heat? Is it protected on the cold north side, etc., etc.? Another factor in your comfort is the quality of heating or air conditioning produced. Does it provide a gentle circulation of pleasantly warm, fresh, clean air? Does it warm walls, ceilings, floors so they don’t chill you? A third factor is the heating machinery itself—the fuel, burner, stoker, boiler or furnace that creates heat; the ducts, pipes, coils, baseboards, registers, radiators or convectors that distribute it; the controls that regulate it. Is this machinery well planned in relation to the construction, layout and heat loss of the house? Is it well installed? Does it work automatically? Is it controlled to suit the different heating requirements of different parts of the house at various times of day and night? Does it adjust to outside changes quickly so your house isn’t hot when temperature suddenly rises outdoors or cold when it suddenly drops? All these factors enter into truly effective heating of a house.
October: Equip it with better bathrooms

The bathroom ought to be one of the most comfortable rooms in the house. Bathing, shaving, dressing can be pleasantly self-indulgent operations aided by good light, agreeable warmth, adequate storage and no one rattling the door knob. Fine fixtures are made by manufacturers now and excellent dressing table-lavatory units have been introduced. What is lacking in most bathrooms is the thoughtful and ingenious planning new kitchens get. Here are some (among many) features that would add to bathroom comfort: 1. Division of the room into compartments to increase its usefulness and end hall queues; this need not sacrifice privacy. 2. Heat coils beneath floor or tub (or a warm flooring material) to take off the chill underfoot. 3. Storage space for towels, medicines, supplies that belong in the bath and larger, better-engineered medicine chests. 4. Sound proofing between bath and adjacent rooms and hall with acoustical wall and ceiling materials or closets which absorb noise. 5. A wall heater to supplement the house heating system—for use after bathing particularly. 6. Glareless light around the medicine chest for make-up and shaving; also brighter general illumination. 7. An exhaust fan for freshness and to prevent mirror-fogging humidity.

November: Use new work-saving devices

American industry works constantly to devise new products for your house that give you more leisure, more pleasure, save work, wear and worry. Some are in the better mouse-trap category—improvements of existing products. Others are totally new in the convenience and comfort they provide. Though you shouldn’t sacrifice good construction or adequate space to them in building. Many can save you money in the long run. Here are typical new devices: Screens that reflect the heat from your windows. Water softeners that save pipes from corrosion, simplify laundry problems. A furnace unit that automatically cleans house air of dust and dirt. A control to open garage doors by pressing a button in your car. A communicating device that acts as a baby sitter when you are out of the house. Automatic controls that lower heat at night, raise it in the morning, adjust to outdoor temperature changes. Windows with self-storing screens that need not be removed or put up. A window that opens by pushing a button. A wiring system and switch that let you turn on the coffee from your bed. Coils to melt the snow in your driveway. Baseboards that provide the means of distributing heat evenly through your house. These and many more are available to you.

December: Plan house and site together

You won’t get maximum comfort in a new house from good construction, materials and equipment alone. The design and planning of both house and site must also be good. You must start with selection of the best lot possible. That means one which will give you the comfort of a sunny south exposure and pleasant southeast breezes in your main rooms. Learn also if the lot will let you turn the house away from a cold north exposure and if it gives you some protection from northwest winter winds. This basic site planning must be plotted in conjunction with your need for privacy from neighbors and street, and enjoyment of any pleasant views. If you can’t have an ideal lot, your architect should be able to combat the drawbacks you may encounter and make the most of the assets. Next, study the requirements a house plan must fulfill to make you comfortable. It must have good circulation. That means you should be able to get easily from room to room, from one part of the house to another, to the front and rear doors—preferably without going through other rooms. It must be completely livable. Your rooms must be well laid out for the routine of family living—for preparing food, for laundry and housework, for meals, sleeping, bathing, child raising. They should be equally useful for entertainment and recreation and adaptable to the diverse needs of children and adults. A plan that zones the service, sleeping and living space in three adjacent areas usually works best. Sufficient storage and wall space for furniture are indoor essentials; well placed terraces and porch, a good garden, garage and service area are important outdoors.
Tools that make gardening easier

Here are your basic needs for gardening on anything from a half acre to a farm estate, with a plan for storing everything compactly and efficiently.

Whether you have a small or large garden, its efficient upkeep is dependent upon the organization of your garden workroom and its contents. On the opposite page we show you a practical plan for storing your basic garden needs. Its essentials are: a storage wall for long-handled tools, one for short-handled tools, a section for heavy or bulky equipment, a sit-down potting bench with all objects and ingredients pertaining thereto at hand. For an average garden in a semi-urban area you will want short-handled tools such as a trowel, fork, scratcher and hand clippers. Your long-handled implements will include at least one cultivator, regular hoe and scuffle hoe, rakes (one bamboo and one iron), turf edger, spade and spading fork, plus a lawn sprinkler. While some gardeners still prefer a hand lawn mower there are a number of excellent lightweight power mowers which take the backache out of this chore. To hang your hose, take a tip from practical farmers who punch a nail through a round tin can and attach it to the wall as a holder which won’t damage plastic or rubber tubing. Under your work bench, partition a bin for the loam, sand and compost needed for your potting mixtures. You can add shelves to hold balanced, prepared plant foods, sprays and dusts. On both small and large properties, a dump cart is invaluable, also various-sized baskets. On farm estates (and for tennis courts) you’ll need a roller; if you have hedges, an electric trimmer. In addition to these items, you may wish to have a seed and plant food spreader; a snow plow and other attachments for your power mower; a riding cultivator tractor. Base your choices on your own special needs, take proper care of these fine tools and they will do well by you.

HY-POWER pruning shear by Wiss has easy spring, non-crush action on twigs. $3 at Peter Henderson & Co., N. Y.

HUDSON Porta-Sprayer with 3½ gallon tank applies weed-killer mixtures, liquid plant foods. From Vaughan’s Seed Store.

CULTIVATOR with weeder cutting edge does double work, $1.75. By Gardex at Vaughan’s, New York.

THREE-PRONG hoe-cultivator is basic for all gardens. Made by Gardex. Price $1.40, Vaughan’s.

HUDSON hand duster with 1 qt. powder reservoir. Nozzle reaches under foliage. $1.75. Vaughan’s, New York.

AERATOR-WEEDEER by Gardex Tools has diamond point hoe, weeder blade. $1.60 from Vaughan’s Seed Store.

GARDEN WORKROOM LAYOUT showing third wall opened out. Ramp at entrance facilitates moving equipment on wheels. Potting bench has soil bins, file drawers for catalogs, rack for pots, bulletin board handy, good light from window above. Tools line walls.

SCOTT'S Spreader No. 65 seeds, fertilizes with 24" swath. $19.50. O. M. Scott & Sons, Marysville, Ohio.

TRIM-MASTER SR. grass trimmer is cable-free, gasoline-powered, mobile. $179.50. From E. F. Britten & Co., Cranford, N. J.


HARDIE TIGER sprayer is adapted to orchards, farm estates, field work. $194. Hardie Mfg. Co., Hudson, Mich.

JOHNSTON Lawn Patrol power mower eases your lawn care, saves labor. $120 F.o.b. Johnston Lawn Mower Corp., Ottumwa, Ia.

CONTINENTAL Tree Mover lifts, replants trees safely on new graded lawns. With hoist, sling. $965 F.o.b. Herman F. Beseler, Minneapolis.

WATERBURY Rider tractor rides hills, adjusts to garden rows. $375. Waterbury Tool Div., Vickers Inc., Waterbury, Conn.

MALL'S electric Tree Saw trims by hand, reaches high branches by pole; will fell and limb 24" diameter trees. $95. Mall Tool Co., Chicago 19.

Prices approximate. Higher west of Mississippi.
Billion-dollar baby sitter

by ROWLAND BARBER

The child's record boom keeps youngsters, parents, manufacturers very, very happy

The past four years have seen, in the U. S. A., one of the most remarkable growths of a simple business since the golden spike converted railroad ing from a cattle hazard to a continental empire. This phenomenon comes from a strange quadrant of the industrial chart: the field of the children's record. The product, in 1945 a stepchild of recording, is in 1950 one of the most profitable in the country. Five years ago a harassed parent, looking in desperation for an extra present for Junior, would have found little or no help in a record shop. There might have been a selection of Mother Goose, recited by ooz, condescending voices, a few condensed fiction classics, or watery digests of *The Nutcracker Suite* and *The Dance of the Hours*. Those were dim days for children. Those who showed early talent were rushed to the nearest music teacher, but millions of others, given up as hopelessly unmusical, never could look in on the bright world of rhythm and melody. Today is a different matter. Records offer young Americans a veritable pint-size pleasure dome. They also offer instant relief to the harassed parent. Any good record shop has on display row upon row of gay offerings for children, all neatly categorized according to age. There are records for playtime, records for naptime, records for sheer entertainment. The classics are still with us, but the dreary, patronizing voices have gone. In their place are hundreds of exciting narratives, set to music, of everything from *Three Blind Mice* to *Three Musketeers*.

"I can't tell you exactly how the boom started," an officer of RCA Victor said to me recently. "All I can tell you is that it began in 1946 and it's still going strong. Before the war we didn't dream of making money out of children's records. So naturally we didn't spend much money on them. We'd just stick some Singing Lady or Uncle Don character in front of a mike along with maybe a couple of unrehearsed musicians and cut a fast side. But today—today! Why, when we recorded *Cinderella* out on the Coast, with the original Disney cast, it took 40 people, including a script writer, to make the disc. Our sound engineers worked three full days just to get the mouse's voice right!"

The money spent on recording for children today is being steadily returned with profitable zeros appended. One independent operator thought nothing of putting out $300,000 for a full advertising campaign. By Christmas he had sent out two and a half million promotional mailing pieces. There are some 75 different labels currently working the market and they are all in the black.

The boom has brought all kinds of talent to the recording microphone. Remember the patient dog with ear cocked into the horn of the old phonograph, alerted to His Master's Voice? Well, it has taken the kids to put life into him: today he can bark back. His name is Little Nipper, and he has become, along with his unlettered yip, official mascot to the new Victor children's series, Columbia Records, not to be outdone, has employed its Big Nipper in the shape of Art Godfrey. He has recorded *The Night Before Christmas* and the *Tubby the Tuba Song*, both certain to be best-sellers. Employment of such expensive talent (others signed up for juvenile discs have included Eleanor Roosevelt, Shirley Temple, Gene Kelly, Groucho Marx, Gene Autry, Burl Ives and Pee-Wee Reese) is evidence that the big corporations are playing the field for keeps. Two years ago children actually saved the recording industry. During that confusing period, full-grown Americans couldn't decide whether to buy records that went around 78, 45 or 33⅓ times a minute. There was a terrible slump in sales while Victor and Columbia locked horns over record. (Continued on page 104)
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Sons, R. R. 3, New Carlisle, Ohio
TEENNESSEE NURSERY CO., Box 1000, Cleveland, Tenn.
JOHN A. SALZER SEED COMPANY, Box 77, La Crosse, Wisconsin
the plants. Clean cultivation to eliminate the grubs is desirable for at least a year before planting strawberries.

Prepare your soil thoroughly a year or two in advance unless a suitable plant is already in the ground is available. If your land has been cultivated several years without the addition of organic matter, give it a heavy application of well-rotted manure or compost to the area, or have a heavy, well-fertilized soil turned under the previous fall. The following spring, the field should be deeply and harrowed until in good condition. For small areas, you may use peat moss or compost in place of manure; mix well with soil.

Order your plants early, while the varieties you want are still available. Never specialize in small fruits are better sources of stock than the general nurseries which feature ornamentals. Accept early delivery, if possible, as the cool weather of early spring permits the plants to arrive in better condition. One-year-old plants are best with most bush fruits, but for your blueberries you should purchase two-year-old plants. Two-year-old specimens of the brambles (or transplants as they are called) are not worth the extra cost. If you do plant them, do not allow them to fruit the first year as any fruit borne will be at the expense of the cane growth that will bear a year later.

As soon as the shipment arrives, open to the package, remove the plants and let them in. In a cool, moist place. Unwrap each bundle of plants so that in putting them in the trench the roots of each will be in contact with the soil.

Strawberries are usually grown in matted rows, that is, the moister plants produce many suckers which run together and are placed to make a growth about 18 inches wide, with the plants about 6 inches apart. The red raspberries and blackberries produce many sucker plants and make hedge rows which should be kept about a foot in width with the canes about six inches apart. The other berries produce no suckers or runners.

Early planting is a good practice. Cut the soil close to the plant to firm it a trowel to make the opening in which cause. You may set strawberries with or runners.

Summer care amounts to eliminating weed competition. Be sure your cultivating is shallow but sufficient to destroy the weeds. After the plants are well started you may mulch them with any suitable material you have on hand. For the blueberries, which like it acid, sawdust is a good mulch. Any age of sawdust from any kind of wood will do. If you use sawdust mulches, you must also add an especially good supply of nitrogen to your soil.

The strawberries need special attention as the summer advances. Pick off the flowers as they appear in order to prevent "fruiting" for the first season. In fertile soils, far more runners are produced than are needed. Space the earlier runners six inches apart in a row 18 inches wide, and remove all late runners to prevent over-crowding of the fruiting row.

Everbearing strawberries fruit much better if you mulch them with sawdust or straw if you cultivate around them. Apply an inch thickness a few weeks after planting. Pull out by hand the few weeds that come through.

After the first year, do not cultivate brambles plantings after August 1. At this time sow a cover crop of buckwheat, oats, rye or some other quick-growing plants or allow the weeds to grow. This competition checks the summer growth of the brambles so that they are less susceptible to winter killing during the cold months.

DEFINITE commercial plant food recommendations are difficult to make as soils vary greatly. Generally speaking, stable manure is most useful as a source of both plant food and organic material for berries and, supplementary chemical compounds will not be needed where it is used. Fertile soils well supplied with organic matter from other sources may not need additional chemical feeding. Less fertile soils, however, will be most apt to need nitrogen, which may be obtained by using ammonium nitrate, sulfate of ammonia or nitrate of soda. Sulfate of ammonia is best for blueberries as it has an acid reaction. In the small garden, the complete, balanced plant food that is used for vegetables and flowers will be suitable for the blueberries.

Apply the plant foods to the brambles in the spring for best results. Give your strawberry bed a nitrogen feeding in August at the rate of one pound of nitrate of soda or one-half pound of ammonium nitrate to 100 square feet (Continued on page 38)
It is best not to fertilize the fruiting bed in the spring of the bearing year.

Mulch your strawberry bed during the winter with marsh hay, straw or a similar material, to protect the crowns from severe cold and from January thaws. Apply the mulch three or four inches deep before temperatures drop below zero, and remove it in the spring. Pull off part of this mulch around the plants but leave it in the space between the rows and under the outer foliage where weeds weeds, conserve moisture and keeps the berries clean.

When you prune the brambles, remove the fruiting canes after you have harvested the crop. The following spring, cut back the red raspberry canes one-fourth of their length and the black canes one-half. If you do this by cutting out dense clusters of weak twigs back to strong side shoots. Occasionally a weak cane should be removed entirely so that it will be replaced by a new shoot. Remove sucker growth each year.

If you follow these basic simple procedures in caring for your small fruit garden. The highest quality fruits have much to do with the success of your fruit garden. The best fruit variety will have certain characteristics that contribute to the success of the home planting.

Strawberries are deservedly first choice among the fruits for your garden and bear for three weeks in June. Fairfax, Fairpeake, Dorsett and Suwannee are best of all in dessert quality. Temple and Sparkle are good, the latter being best for freezing. For preserving, Culver and Blakemore are superior. Other good and reliable varieties are: Howard (Premier), Catskill and Fairland. West Coast gardeners prefer Marshall, long a standard of quality; while Blakemore in the Middle South and Klossmore in the Gulf Coast Region are among the best. Genoa, Superfurst and Rockhill are standard everbearers, but they are usually less satisfactory than the one-crop varieties.

Red Rich is a new everbearing strawberry which is considered the best to date by the fruit specialists of the Minnesota Agricultural Experiment Station. It is the result of a cross between the everbearer Wayzata and the June-bearing Fairfax, the work of Minnesota hybridizer Marion Hugerstrom. It has the honey-sweet quality of Wayzata, the large fruit and foliage, the firm dark red flesh all through of Fairfax. It is a fine dessert berry, excellent for freezing and processing and, because of its strong growth, is resistant to disease. A high yielder, the second crop begins to appear in August and in the Middle West continues well into October.

BERRIES continued from page 87

Raspberries begin ripening as the strawberries are finishing and provide fruit through July. You will find the red varieties easier to grow because the black raspberries have the latter a richness of flavor that makes them first choice in the kitchen. September, a new very early variety, starts the season; and 10 or 12 days later Milton takes over. After a few weeks rest, September returns to the scene with a fall crop on the tips of the new canes that starts ripening about September 1 in central New York State, and earlier southward. September is much superior to Indian Summer. The fall crop continues until mid-October or until a hard frost occurs. September was selected and named last year by the New York Agricultural Experiment Station. The black varieties are: Taylor, Newburgh and Latham, the latter being more reliable than the flavorful Milton and Williamette are best for freezing.

Bristol, Dundee and Cumberland are good black raspberry varieties that ripen with the red sorts. Soudos and Marion are the best purple varieties. Their tremendous crops of large, firm, tart berries make them the mainstay of the bramble family for the kitchen.

Blackberries, the most delicious of brambles, are difficult to secure true to name. Hedrick, a new sort introduced in 1950, is well worth trying. You will have to wait for Bailey, which ripens a week later, as only a few plants are as yet available. These varieties nearly bridge the gap between Milton raspberry and the fall crop of the new autumn raspberry, September.

Red currants and gooseberries are old favorites for jelly and jam. Both are, however, the host to the white pine blister rust fungus during one portion of its life cycle and therefore should not be planted within 900 feet of a stand of white pine. Red Laburnum is the best currant and Poorman the best red gooseberry.

Your blueberries will ripen from late July through August. They last well on the brush if you can keep them another week or 10 days in the refrigerator. Cover small plantings with netting or the birds will harvest the crop. The berries in North Carolina are the largest (of all) are best in quality. Pemberton, Jersey and Atlantic are more productive and good in quality. A bush or two of Rubel will provide the smaller berries that are best for muffins or pies. Berkeley and Coville are promising new very large sorts. The latter, named in honor of the late F. B. (Continued on page 89)
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In the new KELLOGG GARDEN BOOK are pictures in natural colors, to make your selection easy—each identified by name...glittering yellows, pure whites, light and deep pinks, rich reds. One variety is supplied in variegated hues of orchid, orange, yellow, and apricot...another in opalescent shades. Think of it! 600 large, gorgeous blooms the 1st year, double that number the 2nd year. Plants grow to bushel size and are covered with lovely flowers, each 2" across. Make your garden a paradise with Kellogg's hand-bred Azaleamums. Each plant carefully packed and fully guaranteed.

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Feet, fur and all, while those of the strawflower are attached to small white parachutes which an autumn breeze blows far and wide, a sight not to miss.

A child is keenly aware of the feel of things. When he likes something, the youngest immediately wants to handle it. Plants have one kind of feel in the sun at noon, another after a fresh rain. Young plants feel different from mature ones. And, of course, to the touch the foliage of each is different from that of its neighbor. How unlike the smooth sunflower leaf is the feathery marigold. Flowers also vary: the stiff-petaled zinnia bloom from the delicate petunia. This is a whole side of gardening to which a child is open and receptive. As you follow him, you, too, will make many new discoveries.

Garden planning becomes as fine a rainy-day project for the young as for the rest of us. Present your child with an armful of old seed catalogs. Assist him to draw a map of his proposed garden to scale on a piece of wrapping paper. Provide scissors, paste, paints and the excitement begins.

“What do you want this year, darling?” you ask. “Go ahead and pick the prettiest pictures.”

What will be chosen? A tomato of course—the back of every catalog is scarlet with them. Some zinnias; he may not know the names if he is very young, but he learns rapidly as he cuts out the pictured blossoms. For hours he is happy as he pastes them on his paper garden more or less in the positions where he will later plant them.

These 17 annuals are among the sturdiest and easiest to grow and in addition each has something that especially recommends it to a child.

Low-growing flowers for border and front of bed

Alyssum: smells like new-mown hay, blooms in a hurry
Portulaca: opens wide-eyed in the early morning sun
Petunia: gay, gaudy colors, fragrance

Taller sorts

Nicotiana: starry flowers especially fragrant at dusk
Marigold: pungent foliage, brilliant sunshine-gold flowers
Zinnias: brightest colors of all
Cosmos: feathery foliage, wonderful to feel
Moonflowers: white flowers open visibly at dusk
Blue morning-glories: vine grows fast, sometimes two inches a day
Borage: furry leaves and stems, sky-blue flowers to decorate family salads
Sunflowers: so huge they make a shade to sit under on a hot summer day; also the great heads of sun-ripened seed feed chickadees all winter.

A few perennials especially well behaved for the child's garden are given below. All form a good backbone, year after year, for the new and different annuals to come each season. Young plants need a

Hollyhocks: pink, red, yellow, white; July; four to six feet
Balloon flower, Platycodon: blue, white, July; 18 inches
Phlox divaricata: lavender-blue; April-May; one foot
Columbine: blue, pink, white, red; June; 18 inches
Primrose: yellow, mahogany, blue; May; eight inches

A youngster always wants to mix a few vegetables in with the flowers in a happy confusion. And why not grow carrots among the calendulas? Carrot tops are beautiful. Why not tomatoes among the portulaca? Tomatoes are not only a pretty plant but the foliage has an incomparably fresh fragrance. It is because of, not in spite of, these

(Continued on page 91)
SMALL KINGDOM continued from page 90

less conventional ideas, that a child's garden always has charm.

When the design for the garden is pasted down, the location of the garden and mark out its shape and size. Let the child spread a layer of plant food, preferably manure, and turn the garden under to a depth of about six inches. The young gardener probably do this alone with a small amount of guidance—but if he is very young, or if it is a new garden and the soil must be removed, he will welcome grown-up assistance. The next step and one which the child can do easily, is to rake the area level. Now all is in readiness.

The digging and preparing will be especially popular if some new miniature tools enter the scene. So before he begins, a trip to the hardware store is in order. A rake, a hoe, a shovel, a small scratcher and towel—and of course a watering can. If a child has his own small tools, he will not need to borrow and mishandle regular garden equipment. With a private corner of the tool house for these implements, he will be surprisingly neat about putting them away.

A bright new wheelbarrow is a great source of pleasure for the gardener-in-chief. With this he can move small seedlings, bring flowers to the house, carry off leaves and bring plant food. At six he finds it fun merely to wheel for the sake of wheeling. A sturdy pair of country overalls is also badly practicable and engaging.

After the garden is dug, the soil should be allowed to settle a few days. Ten walks the whole spring earth warms and sends up its lush and growing smell, planting day is here.

A little more adult advice may be needed for seed sowing. Children are inclined to plant seeds too deep. No more than a quarter of an inch of soil should cover most seeds and the fine ones, petunias, Nicotiana and snapdragons want merely to be stirred into the surface. However, do no more than advise, and perhaps demonstrate. Planting itself is one of the peak moments of the whole gardening project for a small boy or girl. Even a four-year-old can learn to sow seed properly and is thrilled by the process. For most seed, a small shallow furrow, made by hand in the newly-dug ground, suffices. Seeds may be scattered along this depression, and the soil folded over and pressed down by hand. A nearly marked label heading the row avoids confusion later on. All this procedure greatly delights a child.

It is a momentous occasion for your young son or daughter when the first small seedlings appear. Until plants have three or four leaves, they are dependent largely upon moisture and the new watering can gets plenty of exercise. Seedlings grow so fast that sprinkling them becomes a thoroughly satisfying occupation; you can practically see them grow after each watering. If they have wilted a little on a hot day, you can actually watch them straighten up and feel the leaves stiffen again as the water fills the tissues.

When the young plants have four or five leaves, they can be thinned to stand three or four inches apart. At the time when you set your young tomato plants or divide seedlings in the large garden, the child is delighted to receive gifts for his. When you arestaking the large garden, he must stake his small one. When you are spreading plant food, he wants to do the same.

As the child's garden blooms, diminutive bouquets begin to appear on your desk or dresser. The tomatoes raised by your son or daughter impart much the finest flavor of any to the family salad.

Giving a child a garden of his own also changes his feelings elsewhere. He develops respect for your flowers, for all flowers and gardens everywhere. He retrieves his ball with care from your perennial border since it is particular to walk around instead of across the new seed bed. Even visiting children quickly catch this attitude of respect and your garden thrives unmolested as never before.

The young plants are scarcely up out of the ground in the child's garden when wildlife begins to gather: the comfortable fat little toad guards the flower from pestiferous insects; a robin drinks from newly-sprinkled leaves. The first blossoms bring a ruby-throated hummingbird and a family of great furry-legged humblies. The more the garden grows, the more wildlife appears and settles. With flowers and fauna, the garden is complete; the small kingdom flourishes. Long live the king!

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Coville, foremost hybridizer in the breeding of cultivated blueberries, is a sister of Dixi, mentioned above. In tests over the years it has been outstanding for its large size, high flavor, light blue color, good scar and late season, bearing as much as 10 days to two weeks longer than those presently grown. Berkeley is slightly larger even than Coville, as much as twice the size of Rubel. It is of a very light blue color with unusually firm berries. For further details on these two blueberries, write for Bulletin 747 of the New York Agricultural Experiment Station at New Brunswick, New Jersey.

TO OUR CONTRIBUTORS

House & Garden can assume no responsibility for unsolicited contributions except, of course, to accord them courteous attention and ordinary care. All manuscripts must be accompanied by postage for their return.

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VEGETABLES continued from page 46

as to size and shape. If the garden is near the house, it will be much easier to watch and care for.

Sunshine is most necessary for normal growth of vegetables. Flowers may grow fairly well with only a half day’s sun, but all vegetable crops require almost a full day. Next summer, the sun will be almost directly overhead during the noon hours, so plan accordingly.

Good soil is very important. Most soil can be made productive by proper treatment. If grass, or even weeds grow fairly well, there is hope that your vegetables will do well, too.

Don’t try to tackle too much at first. You are going to find it quite a chore to work in your garden when the weather is hot and the mosquitos are out in force. There is nothing like a year’s experience with a garden to determine your capabilities in caring for it and your household needs. In order not to become discouraged by your first attempt, I suggest that you make the garden about half the size you think you would like. From years of experience, I know only too well that garden-minded men should never plant more than their wives can take care of.

If you want a good garden, you must provide conditions conducive to normal plant growth. Theoretically these conditions include: (1) a generous amount of sunshine; (2) the right temperature; (3) a constant supply of water; (4) the proper soil reaction; (5) sufficient food of the right kinds; and (6) good care. The first two you will have little to do with, so concentrate on the others.

WATER. Each year I garden I become more convinced of the necessity of having plenty of water on tap when required. I live near Boston where the weather is described as humid, or having sufficient rainfall to supply all the water plants need. However, in my 35 years of vegetable gardening, it has been only one season when nature provided a continuous supply of this most important element. Every summer there have been at least two spells when it was necessary to supplement the rainfall to avoid complete failure of certain crops. If it is possible, you should have a water outlet near the garden for handy use of hose and sprinkler. Better yet, install a permanent sprinkler system. It will be an investment you will never regret.

PROPER SOIL REACTION. The acidity of the soil is very important. For most cultivated vegetables and flowers, it should be slightly acid: pH 6.5 to 6.3. Too much lime is worse than not enough, so check before you apply lime or wood ashes (which are of most value for the lime they contain). Have your soil tested. Your seedsmen or State University can tell you how to get this done. Or get a soil test kit yourself. Spread half the lime on the soil before turning it over and half before you plant.

PLANT FOOD. Here are my usual recommendations: if haymidd manure is available, there is nothing better. It makes little difference whether it is fresh or well-rotted. Spread up to a cord per 1,000 sq. ft. Then spread over it 50 pounds of superphosphate to each cord. Turn these under to a depth of 8 inches covering the manure and sod as completely as possible with loose soil. Into this top layer, mix 20 to 40 pounds per 1,000 square feet of a complete chemical plant food, the quantity depending on how much manure you have used. If no barnyard manure is available, you can substitute either bone meal or dried blood. Spread about 40 pounds of either together with 40 pounds of the complete chemical plant food per 1,000 sq. ft. and work in thoroughly.

COOK CARE. This includes frequent cultivation in order to break up the soil and to do a thorough and regular weeding where necessary before the plants crowd; applying poison before the pests do much damage. An ounce of prevention consists of finding out from your State Department of Agriculture what the crops expected trouble and how to provide the ounce of prevention. Where space is limited, choose the following crops: tomatoes, beans, chard, carrots, beets, salad greens, broccoli and onions. If you have room include also: cabbage, summer squash, peas, sweet corn, etc.

TOMATOES are easy to grow, productive and good for you. Grow them for eating fresh and canning. Plants should be purchased unless you have special equipment in the way of a greenhouse, cold frame or hot bed. For earlier tomatoes, beans, chard, carrots, beets, salad greens, broccoli and onions. If you have room include also: cabbage, summer squash, peas, sweet corn, etc.

SNAP BEANS are a close second to tomatoes in value. Quick to mature, comparatively small plants should be made at three-week or monthly intervals. In my garden, I plant successive single rows about the first of May, June, July and August, thus providing a fairly even supply of tender young flat beans through the season. And don’t think that you must plant a full row of beans, or any other crop, for that matter. There are many rows of flowers or vegetables which can use at one time, you lose part of the crop plus the space which might have been used for another vegetable.

CHARD is the easiest green to grow in your garden. A row 10 or 15 feet long should supply the average family twice a week from July 1st to the first hard freeze. Plant early, thin the
VEGETABLES continued from page 92

plants to three inches apart in the row and at no time allow any of the leaves to grow more than a foot tall. Either use them before that time or pull them off and dispose of them. Be careful.

CARROTS and beets require about the same care. Plant the seeds early and thin the plants to about two inches apart. If you like beet greens put off until about the first of January. At the same time sow seed using only a short time. Lettuce prefers cool, moist growing conditions. They grow so fast they are good for occasional salad or garnish use. You might wish to try some of these in place of Boston or Great Lakes. After the first of August. Remember to make small plantings, 10 to 15 feet or less. In my garden I transplant these to an empty spot in the garden. You can plant several varieties for a longer eating season. Provide a support for varieties described by the catalog as more than 20 inches in length.

BROCCOLI will usually provide buds three or four squash a week through the season. I transplant these to an empty spot in the garden when they are six inches tall. In general, you should keep your whole garden working as long as possible by cleaning out sections of rows as soon as a crop is harvested or gone by, and sowing a succession crop.

SUMMER SQUASH should also be planted twice for best quality. I sow a hill when danger from frost is over and another hill about six weeks or so later. These provide three or four squash a week through the season.

PEAS must have cool weather in which to grow and mature. I have found the idea of succession planting of peas a fallacy as far as my garden is concerned. The only planting that does well for me is the earliest. You can plant several varieties for a longer eating season. Provide a support for varieties described by the catalog as more than 20 inches in length.

SWEET CORN will need to be fresh, from garden or canning, not more than a day old. This is particularly true of the husk vegetables such as corn and squash. Sweet corn should be cut off immediately, the husks removed, and the ears cooked as rapidly as possible.

Onions are fairly easy to grow from either sets or plants. I do not advise sowing seed unless you know they will do well. Plant early, as onions are very hardy. Order plants of the Sweet Spanish type, Utah strain, if possible. Set them about two inches apart in rows 12 inches apart. I find them very easy to grow and excellent eating. They grow two to four inches in diameter and keep well through the winter. Use 5% DDT dust frequently to keep the thrips under control.

Cabbage can be grown throughout the season. I prefer the high quality Green Acre variety at all times. I grow my own plants by sowing about 18 inches of row of seed every four weeks. This provides me with six to eight good plants which are all I want at one time. I transplant these to an empty spot in the garden when they are six inches tall. In general, you should keep your whole garden working as long as possible by cleaning out sections of rows as soon as a crop is harvested or gone by, and sowing a succession crop.

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Size: 3-year transplants, about 44 in.
Any 3 plants, packed, $1.75. Express not prepaid. 50 cents ($1 on arrival).
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Yews and Hemlocks are real aristocrats—grow them in their own spot. Usually grown and transplanted. XX (twice transplanted) seed. (Price wholesale club only) 20 plants at 60 cents each. 50 plants at 30 cents each. Also available: Ama balsam, 1.50 each; Scotch Pine, 2.00 each; White Pine, 2.50 each; Western Spruce, 3.00 each; Eastern Hemlock, 3.50 each;

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Plant one or more to one hole for quick impresive clumps.
Size: 4 ft. (express, not paid).
Gray-birch (Betula). 5 ft............. $1.75
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Bordens native small tree. The following will be blooming in one to two years...

Size: 4 to 6 feet, lightly branched
Any 3 plants, packed, about $1.

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Unusual kinds that add distinction to your garden.

Size: 5 for $7.50, express not prepaid.
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Size: 1/1-2 ft., 4-6 stem clumps 868
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Named kinds on own roots—hardier, heavier, better. Your choice of varieties (list on request, or state colors desired).

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Something really unusual. You'll enjoy showing and eating this rare and exciting new fruit. Small, with bright red flesh of delicious sweetness. Only a few soft seeds of the cucumber type which are eaten unnoticed. First developed by the Japanese. A long series of experiments was required to produce this first seedless variety. The seeds now in existence are few. Order yours today! M-55 Watermelon Seedless. Pkt. of 10 seeds, $1.00.

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Blue Grass 27

A single plant of this superior Kentucky Blue Grass was found growing on a golf course near Philadelphia. It was green and vigorous when all the ordinary blue grass around it was brown and feeble. This plant was saved and propagated. Samples of it sent all over the country for testing—everywhere with superior results. With one ounce of seed you can start converting your lawns to this most-talked-about new grass in decades. Sow in rows, let it bear and scatter seeds. Soon you can start a new lawn with sod. There isn't much of this new seed in existence. We offer 1 ounce, 14,000 seeds, for 50c pre-paid. Limit 8 ounces to a customer.

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Pops off its Hull

C-135 Illinois Hullless Popcorn. 100 days. Is it possible to improve popcorn? Yes, by removing the hull. When this variety pops, off goes the hull and a huge, pure white, tender and delicious coloitation remains. Over thirty-five times as large as the kernel. By the eating test it is superior to all others, including hybrids, white, or yellow. Pkt. 25c; 1/2 lb., 50c; lb., 90c; 2 lbs., $1.65.

ANNUALS continued from page 33

have thick, sturdy spikes, and individual flowers that measure as wide as one and a half inches.

Zinnia is always a favorite. This year the California Giant and Luther Burbank have a new competitor in the dazzling Peppermint Stick, developed from older varieties which were basically red. This flower is in the full range of zinnia colors. Each color, however, is shot through with red flecks running lengthwise on the petals. The petals of this superior zinnia is perfect and is flecked with white. Peppermint Stick has a spherical bloom. The plants are robust in their growth, attaining a good height and, if the top buds are pinched off when they start to bloom early, continuing throughout the summer. The stems are floriferous and start to bloom early, continuing throughout the summer. The stems are strong and firm, hold well against storms, and are excellent for cutting. However, to be assured against injury, it is wise to give them at least one stake apiece for support.

Linaria Northern Lights is a miniature snapdragon-like flower approximating the height of the foxglove and was developed from Linaria nanouccana. Quick-growing, it is excellent for cutting. Northern Lights presents an almost uniform bloom of heavy texture and long stem. The foliage is a rich green texture. The plants grow quickly and bloom within two ninths of sowing, a valuable trait for the cutting garden as well as the decorative annual border.

Marigolds, the All-America Selections' Bronze Medal winner, is a charming flowering type, growing about 30 inches tall, with an average flower as much as three and a half inches in diameter. Because of its height, its place is in the back of the border. The plants are very floriferous and start to bloom early, continuing throughout the summer. The stems are strong and firm, hold well against storms, and are excellent for cutting. However, to be assured against injury, it is wise to give them at least one stake apiece for support.

Petunias are one of the most rewarding annuals. There have been many developments in this versatile plant that it would seem the limit had been reached. But not yet, for we have two especially fine new ones this year. Both are semi-double, demure and dainty, is compact in growth, vigorous in bloom and sun-loving. Completely ruffled, its three and a half-inch flowers have a wide, perfect petal. Pink Petunia is rose, scarlet, or cerise, creamy yellow, purple, each has a delicate frilled edging of pale green. The buds appear as almost double. Petunias are not too particular on their petals and veined in contrast-coloring, these flowers will surprise even the most experienced gardener. A new California Giant petunia, Pink Shades, is a compact ruffled single with blossoms up to five inches across. Its colors, solid pinks and various shades of pink and white, are clear and soft with deep throats finely lined. The frilled petals overlapping each other present a sturdy appearance. Both of these petunias are ideal for pot culture and highly decoractive as cut flowers.

Dianthus winteri is this year's outstanding addition to those old favorites, the pinks. It is single with quite large flowers. Pink, white, and yellow are the widest I have ever seen in an annual Dianthus. Blooms of heavy texture and long stem, each with a dark red center, are borne in profusion on compact plants. The foliage is graceful yet inconspicuous. An excellent cutting flower, it will be an addition to your old-fashioned beds.

Tithonia Torch is this year's answer to many a gardener's wish: for this Mexican sunflower is a vest-pocket edition of the tall-growing Tithonia (usually over six feet), since it is only four feet high. Its qualities include sturdy growth, an abundance of bloom, resistance to heat and freedom from diseases. A pink, yellow, one of the brightest orange-scarlet flowers resemble single dalias and, like its tall predecessors, the first bloom appears on the very top. Soon after, the whole plant is covered with bloom in all stages from white buds to full open flowers. Tithonia Torch blooms in mid-July in Southern California and from August on in the eastern states. Its long season, with practically no care, is one of its greatest recommendations. (See colored photograph, page 30.)

The Regal larkspur strain has some new additions this year. Regal, taller than Giant Imperial, has fuller spikes and larger florets. It is an excellent cutting variety. The color range is wide; lilac, salmon, pink, white, blue. Its delicate foliage is profuse. Larkspur Giant Imperial Salmon Beauty is a new shade of deep pink, brighter and more on the orange side than Giant Imperial. It is a fine up-right in growth, of uniform habit, the plants bear a profusion of large, double flowers closely set on long tapering spikes. Their height makes them useful in the back of the border.

Lupine Pixies' Delight will please the gardener who wants a low-growing annual that will give him quality as well as beauty of bloom. It starts to flower freely a few weeks after seed is sown outdoors. Colors range from pink, rose, blue, lavender and white and bi-color combinations. Each spike bears many flowers set among well-filled foliage. Its eight-inch height makes Pixies' Delight a gay little border plant, excellent for bedding work or pot culture. (See photograph, page 30.)

Ipomea Blue Mound is an outstanding morning glory introduction for this spring. A bush-type, which neither crawls nor climbs, it is only three feet high. It forms a compact mound, up to two feet in diameter and covers this with its pentagonal-shaped, five-petalled Heavenly Blue flowers. With its sturdy upright habit and profusion of bloom-plants as well as ornamental in the garden. The foliage is a rich green texture. It has a long blooming season. Ipomea Darling is another new morning glory (Continued on page 98)

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ANNUALS
continued from page 94
of striking appearance. It has an abundance of foliage and three to four inch carnelian-red flowers whose color is intensified by pure white centers. Blossoms that stay open far into the day are borne from July till frost.

Choke, or spider plant, is always useful in the background. Helen Campbell is a white variety of Pink Queen. As it is a sport from the latter, it has the same growing habits, reaching a height of four feet. Foliage is light, airy and well branched. Many full heads of delightful white flowers bloom from mid-June to frost.

Several new annual asters have been developed this year; notable is Crown. The plant is so compact branching form, 18 to 24 inches high, and blooms profusely. Its center-created flowers have long stems. The color range is unusual in that there are many two-tone varieties. Some whites have pink edging, some have purple. Solid colors include pinks, reds, blues, purples, cerise and scarlet, all with long flower heads. Cushioned like a scabiosa, these two-and-a-half to three-inch blooms make line, long-lasting cut flowers.

There are three additions to the Princess aster group: Princess Elizabeth white; Margaret, rose; Susan, deep blue. These almost complete the color range in this classification. The plants are of good height with excellent foliage. They flower freely with blooms that are fully double and have a well-crested center with quilled petals that almost completely hide the flower’s eye. They keep well as cut flowers. Another new aster is the Bicolor Type in mixed colors. The plants, growing to about 18 inches, branch freely just above the ground. The heavily double, well-crested flowers are on long stems and in the full range of aster colors. Bicolor Type is similar to Queen of the Market, having curled petals. It blooms early, is wilt resistant with an abundance of blossoms over a long season.

Sweet peas are also in the list of new annuals. Very Early Spencer is ruffled with large flowers bearing the colors of four florets on a single stem. In color it ranges from rose, dark pink and light pink to blue. Its originator claims that it will bloom five to six weeks ahead of many other Spencers. These flowers are sturdy. Sweet pea Mabel Gower, though not strictly new, is being emphasized this year because of its rich blue color. Introduced in England, the plants thrive also in our climate, are quite heavy producers of slightly ruffled flowers. Well formed with long sturdy stems, these also develop many blooms. Sweet pea Princess Elizabeth is a flame-salmon flower that was developed in England. It was the winner of the Sweepsstakes award at the Chelsea Show in 1949. As it is of the Old Spencer type, it probably should be planted so as to bloom by midsummer. Sweet pea Late Spencer Peggy is another award winner. It was entered in 1950 in the National Sweet Pea Society Trials in England after having won an award in Scotland. It is well ruffled; has huge flowers of delicate shades with up to four florets on a long stem.

For sources of these new annuals write House & Garden’s Reader Service, New York.
PERENNIALS continued from page 31

to the attention of the general public.

The Achillea Golden Plate shown on page 31 is an introduction from Holland, brought to this country and grown in quantity. Its relative dusty miller is noticeable in the coarsely-toothed, deeply-lobed leaves but the foliage is a real green, rather than gray; the lower color is decidedly grayish; the (lower) color is noticeably in the coarsely-cut foliage and tall (lower spikes are deep green, rather than light green, and there may be interest here.

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112 AURORA ST., WATERBURY 20, CONN.
the summer phlox, P. paniculata (de­
cussata) and the native American, P. divaricata. This blooms first in spring and if cut back will produce additional flowers in summer and again after another clipping. About 1’ tall, the clump sends up many stalks, an as­
et for either mass planting or individual groups in your border. Colors are in lilac and lavender tones, with deeper

In the garden, Phlox paniculata are generally treated as biennials, though by using village gates or picket fences you see the same plants blooming year after year. A great addition for any promi­

Noted for their fine texture and their striking beauty it will stand out in the garden. One of the commonest and most

by 1’ tall mats of rich foliage, which turns a dark pur­

A startling new break in spring phlox is that variety of P. divaricata called Chatthoochahoe. Broad heads of clear lavender-blue florets, each with a vivid crimson center, cover 1’ tall mats­

The following list of plants is intended as a guide to those that may be of interest to the amateur gardener. The list is not complete but it should provide a starting point for further study.

It is from among the flowering plants of the world that we find the greatest variety and beauty. The garden is the place where the flower lover finds his happiness.

The garden is the place where the lover of flowers finds his happiness.
PERENNIALS

will give you a good lateral repeat bloom later in the summer. This habit is also carried by the excellent Pacific hybrids which have reached the market in recent years. (See Idylla of the King; King Arthur, Galahad and Percival in whites, Lancelot in black.): Nooks and purples. The Alaska series is the latest addition to this fine strain. The shades are completely new delphinium hues and include pale blue tones through many shades of lilac-pink to deep raspberry-pink with contrasting bees in fawn, soft browns and black. More about them and news of chrysanthemums will appear in forthcoming issues of House & Garden.

Great stand-by's for the fall garden are chrysanthemums and hardy asters, quite a number being available to the adventurous gardener who wishes to try new shades and types. Chrysanthemum Flaxen Beauty is a hybrid between species varieties and the fine Pale Moon. In form it resembles a cactus dahlia. It is a truly beautiful color blending of peach, yellow and coral with coral blooms at the flash. The flowers are robust and spreading in habit, 18" to 24" in height and come into bloom about October 1st. The anxiety at about the same time are chrysanthemums Misty Maid and Renaissance. Misty Maid is an informal, loosely double decorative type in form, with blooms 3" across of delicate shell pink flowers which softens to a cloudy white. It grows in 2½ or 3½. Chrysanthemum Renaissance carries the tones of the great mediaeval tapistries. On a compactly formed plant, the double, 2½" dome-shaped flowers are Oriental red to mauve-crimson. One firm has developed a fine dome of hardy flowers about 6" in height to be suitable for the flower border. A new bird name suggestive of their colorings, such as Sea Gull, Canary, Tanager and Grosbeak. You will be heartily welcomed by them.

At least two firms are offering new hardy asters imported from England. Aster The Sexton has large, single, rich blue blossoms 3" across of a semi-double in flower form and a beautiful shade of soft pink is Astran Jane McMullen. Individual flowers are even larger than a silver dollar. English Garden Archibald, with the largest of hardy asters, semi-double in a deep purple blue. Aster Palmyra is of the Michaelmas daisy type of flower with clear rich pink blooms on a spreading 4' plant. An English variety that has been available before but is still little known in Aster yannenensis Nunsburp. From Holland has come Monarda Mahogany, a vivid Indian-lake-red variety of bee balm, an excellent addition to your midsummer border. A flower similar to Monarda, and usable in the same manner, is the unique Brionia aztecum mexicanum, whose whorls of crimson flowers bloom throughout the late summer. It is a fine companion for blue asters.

For sources of these plants, write to House & Garden Reader Service, 620 Lexington Avenue, New York.

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ROSES

continued from page 41

contrast to the heavy, dark green of the foliage.

In the pink range you will find Parfait, a new seedling hybrid from the fragrant Symphonie and Susan Lottbe, and First Love, distinguished by its generous supply of long-stemmed buds. Like its parents (Charlotte Armstrong, Evening Sunset), the single plant habit is vigorous, with heavy, medium-sized glossy leaves. The buds are medium to long pointed, open to a finely fragrant, lightly furled, pink blush of 2¾" across. The abundant blooms are borne singly and last from three to four days. Paramount is an excellent choice for border plantings.

Intensely fragrant, the large carmine-rose buds of Symphonie open slowly to show tints of pale-pink dahlia type of shell-pink flower, 4½ to 5¾" across. The abundant blooms are borne singly and last from three to four days. Paramount is an excellent choice for border plantings.

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About nut trees

By EVA BEARD

Author of "A Calendar of the Catskills"

Today's choice in hardy nut trees for your garden is steadily widening. Tomorrow's will be even more interesting. For shade and beauty of foliage as well as a delicious crop, why not try the magnificent black walnut, the hickory and its hybrids, hardy strains of Persian (English) walnut, or the northern pecan? To ornament your lawn you can have the tropical-looking, quick-growing Japanese heartnut; for a tall hedge, the new hazel-fiblet hybrids; for your orchard, the chestnut, already to some extent a commercial crop in this country. Development of good varieties of nut trees is the result of constant selection, contests to find the best strains among both wild and cultivated trees, regular testing for hardiness, yield and growth habit (as TVA is doing with sweet almond trees).

Of prime importance is the slower work of hybridization carried on by plant scientists, notably at the Bureau of Plant Industry of the United States Department of Agriculture and the New York State Agricultural Experiment Station at Geneva. All this work is an incentive to growing your own nut crops. In the vanguard of nut growing progress is a group of enthusiastic amateurs and professionals, the Northern Nut Growers' Association. The memory of our own lost American chestnut, mourned no less for its beauty than for its commercial value, is steadily adding to those it has already released. It is still better varieties that appear, seedling trees may be topworked by having the newer ones grafted onto them. North of southern Connecticut, you must regard Chinese chestnut plantings as experimental—but why not experiment? That is the gardener's privilege. In addition, you record and report results, you may render a real service. Chinese chestnuts need fertile, well-drained, neutral or slightly alkaline soil preferably.
NUT TREES

continued from page 100

on a hillside, where they will be in less danger from injury. Plant several varieties for cross-pollination. Early sprouts are advised, in fertile, well-drained soil. Take proper care in setting them out as nut trees are proverbially difficult to transplant. Occasionally trees will bear in their second year, but they usually take longer. The search continues, with here and there a ray of hope, for blight-resistant strains of our native chestnut. When the first large-scale crop is harvested, the scientists of the New York State Agricultural Experiment Station at Geneva, there European filberts have also been tested for adaptation to peach-growing sections of New York. Cosford, Italian Red, Gustavo Zellermann and Medium Long have given the best results. Large-scale plantations of the American hazel, Rush and Winkler, have been on the market for some years. But the new hybrids offer the advantages of both main groups, with the large size and fine quality of European types. Trained to tree form, they will grow to about the size of peach trees, and in time they will probably bear better. With as other nut trees, spring planting is advised, in fertile, well-drained soil. You should have a crop of nuts in four or five years.

The severe winter of 1932-33 killed thriving plantings of Persian (English) walnut in western New York's peach-growing belt. Carpathian walnuts are out of favor here today in the northern states. They were imported some 20 years ago from the mountains of eastern Europe, where winter temperatures do not go much below zero. Indeed, as Carpathian walnuts have a short winter rest period, you may expect some frost injury, Nut tree specialists are looking for a new strain to meet the northern climate and in time they will probably find one. (A clone is a group of plants propagated only by vegetative and asexual means, members of which have been derived by repeated propagation from a single individual.) These fine trees respond to alkaline or neutral soils, well fertilized (but not in late summer). Frost is all too likely to kill later growth. Grafted trees bear in five to six years. Some of these will, in time, replace the popular Broadview variety, soon to be replaced in other areas.

Our own incomparable black walnut is the supreme cooking nut, for it holds its flavor better than either the pecan or the English walnut, better than the hickory. You can grow black walnuts in the northern states more successfully if you seek out locally adapted strains. To see this tree approaches the limit of its climatic range. Thomas Holles and G. A. Reader's Nurseries list trees of bearing size.

For Garden Library

This big, new 52-page catalogue for 1951, "Garden Gems", is a must for serious gardeners. It will help you plan and plant your garden with specialties that have made the name Bobbink & Atkins synonymous with the highest grade horticultural products. Here are just some of the choice plants that are described, with cultural notes and illustrated in true color:

ROSES

Including the best new roses and the All-America Rose Selections; also hundreds of other Hybrid Teas, Floribundas and Polyanthas, so valuable in every rose planting. Tree Roses that have been budded with the finest hybrid teas and floribunda varieties on both 2 and 3½ foot trunks. Also the very rare Sweep Tree Roses on 5 to 6 foot trunks. All our roses are on the very vigorous hardy Ragesus understocks.

Old-Fashioned Roses. For years we have maintained and grown at considerable expense the finest of the old Moss Roses, French or Gallics, for cross-pollination. Early growing sections of New York and Ohio, have given good account of these. To know the extent of fruiting tree and begins to bear in four to six years. Up New England way, you can start a real argument, black walnut versus butternut, butternut winning every time. This hardest of our native nuts is one of our most delicious varieties but for a number of reasons it is thus far the nut tree breeders' stepchild. It is sometimes short-lived apparently because of a fungus disease, and its propagation is not too well understood. Usually only seedling trees are sold by nurseries, but nurseries carry grafted trees which will bear in two or three years. You can now purchase grafted hickories and hickory hybrids—fine, thin-shelled, large-measted nuts, slow-growing but splendid shade trees. With hickory also, seek locally adapted varieties, since the shagbark (most of the named varieties are shagbark hickories or other natural hybrids) sometimes fails to fruit well because of short seasons or lack of summer heat. Possibly Stratford, which is partly of shagbark blood, is a good choice for you, along with another variety or so. This hybrid, if well fertilized, may bear in three or four years. We have excellent shagbark hybrids that are grafted onto rootstock to promote early bearing and other desirable traits.

While northerners can't hope to grow the luscious big pecans that come from the southern states, there are distinct possibilities in the pecans originating in Kentucky, Illinois and Indiana. Name varieties: Major, Busseron, Greenriver, have given good account of themselves, to the extent of fruiting. They are best adapted to favorable seasons in Iowa, peach-growing sections of New York and similar climatic areas. Or you may like to try a couple of hicanes, natural hybrids of hickory and pecan, and the Japanese walnut and the butternut, always plant the hardiest of our native nuts with cultural notes and illustrated in true color:

PERENNIALS

We have reinstated many of the older hardly herbaceous perennials that are very seldom grown. We believe they deserve a permanent place in every garden. Among them are:

Anemone (Windflower), both the tall and the small species, Delphinium, Steenbergenii, with its reddish-orange blooms. Cyclamen Neapolitanum, a rare bulbous plant. Echinops Humilis, Top-Knot. Erinacea, also known as Leontopodium, the beloved Blue. Globe thistle for late summer. Eulalia (Leontopodium). The beloved plant from the Swiss Alps, Phlox Arendsii. Varieties that continue blooming during late summer. Pyrethrum, in new varieties. And, of course, all the more popular Hardy Asters, Chrysanthemums, Delphiniums, Gallardias, Heucheras, Liatris, Phlox, Snapdragons, Thiasmos in all the leading varieties are offered.

HARDY AZALEAS, RHODODENDRONS, HYDRANGEAS, LICTIS, LACS and many other choice FLOWERING SHRUBS, HARDY VINES, evergreen LEAVED everGREEN SHRUBS are here in abundance, Primroses. We have built up the most satisfactory collection of Primroses in the country. In every nursery. Visit our Nursery Sales and Display grounds on Vermont Avenue in East Rutherford will be pleasantly surprised with the wide selection of plants, trees, and shrubs we have to show there. We carry the most advanced new introductions from all parts of the country, and especially during the active planting season in the Spring and Fall.

Bobbink & Atkins

Rose Growers and Nurseries Since 1899

S23 Patterson Avenue

East Rutherford, N. J.

Only 9 or 10 miles from the George Washington Bridge, Lincoln and Holland Tunnels, and easily accessible by trains New Jersey Routes 6, 2, 91 and 17.

TOTTY'S 8ennial Novelties

for a BRIGHTER GARDEN

HOLLYHOCK, Pompadour—Tall, stately spikes of bloom ... tops covered with a profusion of big, ruffled, fully double flowers . . . ball-like in shape, ranging through pink, rose, yellow, copper, red, scarlet, violet, purple and maroon, in many shades. A showing of color variety rarely found in hardy flowers.

Only 65c each—$6.00 dozen.

ASTERS, Jane McMullen—These giant Asters, in a beautiful shade of soft pink are over 3 feet high and actually larger than a silver dollar, the largest we've seen in a long time. They'll grow to a height of about 3 feet and add to the appearance of any garden.

THE SEXTON—Here's an Aster of very rich blue . . . an excellent single type, popular for its color. Makes a particularly decorative border plant, approximately 4 feet high.

Either Variety—$1.00 each

Prices F.o.b. Madison

1951 Catalog now ready. 25c charge will be deducted from your first order.
BUILDING DATA

continued from page 55

COCHRAN HOUSE BUILDING DATA


COCHRAN HOUSE FURNITURE DATA


BUILDING DATA

continued from page 55

COCHRAN HOUSE BUILDING DATA


COCHRAN HOUSE FURNITURE DATA

New records for the younger set

The latest releases bring children recorded plays, films and original stories

PETER PAN. Featuring Jean Arthur, Boris Karloff and the rest of the Broadway cast, this recording manages to convey just about everything of the stage production except the flying. Columbia LP record ML-5312$; $4.85.

TREASURE ISLAND. Adapted from Walt Disney’s hang-up film, and illustrated with stills from it, this picture-book album features Bobby Driscoll as Jim Hawkins, Dickie Jones as Long John Silver. RCA Victor LP record Y-5416; $1.75.

MARY MARY SINGS FOR CHILDREN. Children too young to see South Pacific need not be deprived of the universal pleasure of listening to Miss Martin. Charming and improvisatory. Young People’s record 731; $1.19.

HAPPY MOTHER GOOSE. Mr. Burr Tillstrom’s Kukla, Fran and Ollie, just about the most engaging characters on television, sing their own versions of the old nursery rhymes. RCA Victor 45 rpm album WY-423; $1.75.


ROSEMARY CLOONEY. Accompanied by Percy Faith’s orchestra, Miss Clooney sings Little Johnny Chickadee, a song about a girl and her pet, and Peterkin Piddlebub, about a rash boy. Columbia record MJV-73; $1.19.

MOTHER GOOSE SONGS. Becky Krane has arranged and edited a number of the familiar rhymes, setting them in a loosely-knit narrative. Burr Ives, accompanied by an instrumental trio. Columbia record MJV-67*; $1.39.

COME TO THE FAIR. A group of songs, simple enough to be performed by the small listener, have been strung along a narrative about a fair. Vocalists are Tom Glazer and Joan LaFebruary. Young People’s record 733; $1.19.

THE LITTLE GRAY PONIES. A group of songs dealing with the activities of two ponies who jumped over the fence and galloped through the countryside. Tom Glazer does the narration, singing. Young People’s record 735; $1.19.

A CAPITAL SHIP. Tom Glazer, again, tells four Uncle Wiggly stories in this new one. The Littlest Pig, an old folk tune, is included. Young People’s record 736; $1.19.

UNCLE WIGGILY. Paul Wing, accompanied by Miss Aberson, narrates a new one. Uncle Wing, Piggy, Pudgy, the Whistling Pig. Young People’s record 737; $1.19.

THE HUNTER’S HORSE. One of a series on instruments written by Professor Douglas Moore of Columbia University. This one deals with horn’s history, shows how composers use it. Young People’s record 421; $1.19.

HOWDY DOODY’S LAUGHING CIRCUS. A sad character called Weeping Willy is cheered by being introduced to such happy animals as Girard, the Giraffe; Charlie, the Chattering Chimp. RCA Victor album Y-414*; $2.20.

TURNTABLE

Prices do not include Federal excise tax.
CRADDOCK DROP LEAF EXTENSION TABLES

ONE table solves your space problems!
It shrinks to compact console size, handsome as a "stand-by" decorator piece when you want to save floor space—stretches to room for 6, 8, 10 or more when you need more dining space!* And CRADDOCK's established reputation for top quality furniture gives you the enduring beauty and utility you need for a happy, lived-in home!* With chairs in all the best Traditional designs, for living-dining and "extras" all around the house.

CRADDOCK FURNITURE CORPORATION
EVANSVILLE, INDIANA

Table Model No. 133-A one of a dozen designs in different sizes. 3 pedestal chairs (with brass tacks and casters, automatic lead supports and table legs). Drop leaves up, 40" x 60"; drop leaves up, 28" x 40"; drop leaves up, 40" x 40". Walnut or Mahogany Finish—about $110, Rosewood Chair (Glide No. 46N, Arm No. 461N) beautifully carved top slat, curved rails and legs, Needlepoint-type seat, Walnut or Mahogany finish, about $17 and $21.75.

**prices slightly higher in West

Table Model No. 133-A one of a dozen designs in different sizes. 3 pedestal chairs (with brass tacks and casters, automatic lead supports and table legs). Drop leaves up, 40" x 60"; drop leaves up, 28" x 40"; drop leaves up, 40" x 40". Walnut or Mahogany Finish—about $110, Rosewood Chair (Glide No. 46N, Arm No. 461N) beautifully carved top slat, curved rails and legs, Needlepoint-type seat, Walnut or Mahogany finish, about $17 and $21.75.

SEND 10¢ for illustrated catalog of tables, chairs and living-dining case pieces open stock

CRADDOCK FURNITURE CORPORATION
EVANSVILLE, INDIANA

Table Model No. 133-A one of a dozen designs in different sizes. 3 pedestal chairs (with brass tacks and casters, automatic lead supports and table legs). Drop leaves up, 40" x 60"; drop leaves up, 28" x 40"; drop leaves up, 40" x 40". Walnut or Mahogany Finish—about $110, Rosewood Chair (Glide No. 46N, Arm No. 461N) beautifully carved top slat, curved rails and legs, Needlepoint-type seat, Walnut or Mahogany finish, about $17 and $21.75.

SEND 10¢ for illustrated catalog of tables, chairs and living-dining case pieces open stock

CRADDOCK FURNITURE CORPORATION
EVANSVILLE, INDIANA
Mechanics of living
New equipment to help you live in comfort

NIGHT LIGHT for any part of the house. In brown or ivory with switch and 7 watt bulb, 45c Monowatt Inc., Providence, R. I.

MEDICINE CHEST with sliding mirror doors gives double expansion of mirror (39” x 22”) and double storage (6 shelves) $135. Hall-Mack Co., Los Angeles, Cal.

NEW ENAMEL for radiator, range is heat-resistant and moisture-proof. Paint dries with a smooth porcelain-like finish. One-half pint for 70c gives average radiator one coat. At hardware, paint stores. Sapolin Paints Inc., N. Y.

HEATFORM, double-walled metal unit around which masonry walls of a fireplace are built. Air is heated in chambers surrounding ribbed firebox and circulated throughout the room and adjoining rooms. Superior Fireplace Co., Los Angeles and Baltimore.

Continued on page 106

NEARLY right isn’t good enough!

Johns-Manville “Blown” Rock Wool is scientifically installed, and will save you up to 30 CENTS ON EVERY DOLLAR you spend for fuel this winter!

- Why keep on burning up all that money? You can save it and have a warmer house besides. Yes, and up to 15° cooler in hottest summer! Have Johns-Manville Rock Wool pneumatically “blown” into the hollow exterior walls and attic spaces of your existing home.

You insulate your house only ONCE. So the job must be done right the first time. Be assured of expert workmanship. Call the approved J-M “Blown” Home Insulation Contractor. He is trained to do the job scientifically to give you utmost benefits. Ask him about easy monthly payments—FHA approved terms. He’s listed in your classified telephone directory.

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Tableware

BECAUSE of the fineness of Booth's English Tableware, long years of enjoyment can be expected from its possession. We are convinced that Chat is the finest detergent for use on this tableware in automatic dishwashers.

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For clean, dry, spotless tableware...
—china, silver and glassware—use Chat, the synthetic detergent made expressly for automatic dishwashers.

Only Chat contains Dry-A-Pon, the new Antara Surfactant that makes water drain off in sheets—instead of droplets. Chat cleans and dries china, silver, glassware and plastic, leaving them sparkling and lustrous.

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ECHANICS continued

PIN-UP LAMP has two lights which can be adjusted to any position. In 5 colors or aluminum. Switch, cord, plug included. About $19. Kurt Versen Lamps, Inc., Englewood, N. J.

DRESSING TABLE UNIT combines lavatory, vanity, dressing table and linen storage in one compact, easily installed, plastic-faced fixture. $250. In many colors and sizes. Hinze & Waldmann, Inc., N. Y.


CIRCULAR FLUORESCENT fixture fits into any outlet box. White enamel finish, aluminum reflector, 12" circular lamp. About $12.40. Sylvania Electric, N. Y.

RAY-TOX FOLDING DOORS ventilate closets or conceal kitchenettes. They are easy to install, light in weight, simple to clean. Available in natural wood or 10 standard colors in many sizes. $1 sq. ft. Hough Shade Corp., Janesville, Wisconsin.
A fresh young air, a new line...the scarf collar, diagonally wrapped in a soft, creamy woollen suit-dress.

Important now, fashionable North or South, perfect for Springtime without a coat. For this season, every season, Vogue's always accurate patterns. Complete selection in your pattern department. Vogue Couturier Pattern No. 596. Price...$2.00

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THE CONDE NAST PUBLICATIONS INC. VOGUE VOGUE PATTERN BOOK HOUSE & GARDEN GLAMOUR
For the sheer delight of fine Champagne

Serve Cresta Blanca's magnificent California Champagne, fragrant, medium dry, delicious. There's gay enchantment in each sparkling glass. Naturally fermented in the bottle, it's unsurpassed in clarity, flavor and bouquet. Is it any wonder experts judge it one of the world's great champagnes? Discriminating hosts agree, serve it proudly. Enjoy it soon, delight your guests.

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Consistent Winner of Major Wine Awards Since 1889

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Give your valuables safekeeping

Modern safes protect you from fire and theft, insure your silver, jewels, deeds, bonds

HOME SAFE by Herrin-Hall-Marvin is completely concealed in an eighteenth-century-style drawer cabinet finished in mahogany or walnut. Inner steel door, body insulation, withstands 1700 degrees heat. This decorative, unobtrusive safe doubles as lamp table, cabinet. Dimensions: 32" x 20" x 13". Over-all weight 120 lbs. Three-tumbler bank type lock gives many combinations, $143. Springfield Furniture Works, Springfield, Ohio.

HERCULES WALL-VAULT is easily installed in new or old houses. Sketches show safe open to indicate storage, closed, to show flush-to-wall installation. Interlocking door bolts, certified, furnace-tested insulation protects your valuables. Three-tumbler lock is pickproof. Inner dimensions: 9½" x 11" x 8¾". Weight 55 lbs. $40. Melink Steel Safe Co., Toledo, Ohio.

WALL SAFE by Mosler gives fire protection for your important and valuable private papers, business records. Handsomely concealed in wall closet unit (see drawing, left), you can install it compactly near desk and shelf areas, saving trips to office or bank vault. Mosler relocking device safeguards contents. Inside dimensions: 11" x 11" x 4½". Wt. 60 lbs. $36. The Mosler Safe Company, Hamilton, Ohio.

UNITE double dresser

Every piece in the Unite group is a masterpiece of style and craftsmanship. The fine lines and rich antique walnut finish on fruitwood give it an enduring heirloom quality. At better furniture and department stores. Send two-cent stamp to Dept. G for booklet.

UNION-NATIONAL, INC. • JAMESTOWN, N. Y.

All prices approximate
B A B Y - S I T T E R

continued from page 104

orchestra. The latest to be thus singed out is the score for Mr. Grump and the Dingie School Band, which was played by the Dallas Symphony.

There was a whopping response from the little consumer himself. Many subscribers took pen in hand and relayed their ideas on music appreciation. Others delivered vocal opinions to researchers. "I have a Park Record," said a patron aged three and a half. "When I listen to it I run and I walk and I roll. I can run without bumping into the furniture very much. I have a song book too, but I like my records better. The book has Polly Put the Kettle On and I don't know what that means."

Another very active member confessed, "I play my records myself and I need to break a lot of them. But that was last week when I was only three and didn't know how to handle records. Some of the records can't break. I know because my little sister throws them out. He looks very funny. I don't know if I look funny."

While Young People's continued to set the pace for quality and originality, Simon & Schuster cornered the market with their Little Golden Records and Capitol, as befits a Hollywood company, featured entertainment records. Capitol's number one character is Bozo the Clown. Judging from his popularity in the trade polls, he is the Milton Berle of the bannie set.

Late 1949 found Horace Grenell securely at the top of the heap. But he was growing restless. The proprietors of Young People's, jealous of their nice black ledger, wanted little part of further experimentation, so he resigned to go into competition with himself, so to speak. He became director of the Children's Record Guild, an outfit that bids to become the biggest yet.

By a conservative estimate, the Children's Record Guild—which mails two records each month to subscribers, one for the two-to-four group, and one for the five-to-eight—will have over 100,000 members by now. By its second birthday, a membership cake would have over a quarter of a million candles. Records will also be distributed on the open market; a year from now these sales will have accounted for a million records.

More significant than all the figures, however, are the five new concepts of music for children that Grenell has dared to put on a commercial basis: First, a new approach to the use of sound effects (previously they were strictly rib ticklers, the Pop Goes the Weasel sort of percussion). Now the Guild is creating sound effects through music. The instruments themselves make the sounds: the closing of a door, the approach of a train, or the howling of the wind. In recognizing them, the

(Continued on page 110)
New Healthful
Glassheat
brings sun's warm
rays into your home

- CLEAN
- SAFE
- ECONOMICAL

Continental Glassheat, the country's newest and most efficient heating system was originally designed to meet the rigid military specifications of the French "Maginot Line." Since then it has been adapted for and installed in homes, hospitals, offices and every type of building throughout the United States and 17 foreign countries.

Continental Glassheat was installed in this Darien, Conn. home with thermostatic controls in each room in less than 48 hours.

Inexpensive to Install and Operate

As in this lovely type ranch house in Darien, Connecticut, home owners and architects have found Continental Glassheat to be inexpensive to install, yet cleaner and healthier than any other type of heating system yet devised. Glassheat panels can be wired into your home as easily as your lighting system. It can be operated and controlled like your electric light with a thermostat installed in each room. It can be used to heat your entire house, or as an auxiliary heating unit to warm a cold room.

The humidity range is healthier than with any other type of heat, and its safety features make it ideal for children's rooms. Common colds are unknown with this system.

Works Perfectly in All Areas Above or Below Zero!

This is a typical glassheat panel. It lends itself to a variety of decorative plans and can be either installed flush or recessed into the wall.

Write for literature and the name of distributor near your home.

Gllassheat
BY CONTINENTAL RADIANT GLASS HEAT CORPORATION
1 East 35th Street
New York, N.Y. • Murray Hill 3-1844

BABY-SITTER

children develop a concept of high and low pitch, of loud and soft and so on. Second, a new type of rhythmic participation. In the past, activity records gave specific instructions like "hop on one foot, crawl on all fours," and so on. Grenell provides a general theme, then allows the child to impose his own activity. Take, for example, a Guild disc titled I Wish I Were: "I wish I were very tiny..." the story starts, "I'd take a bath in a teacup... I'd be a little, tiny cowboy... and a mouse could be my horse." Then: "I wish I were big as a giant... huge, enormous big... I'd pick up elephants in my hand and pet them... but I would be very careful not to hurt them..." It's really wonderful to watch a roomful of three-year-olds ad-libbing to this story. Each little imagination lights up like a Fourth-of-July sparkler and no two children go through the same pantomime.

Third, a new way of training youngsters to recognize instruments, Musical stories about Tubby the Tuba or Pete the Piccolo are fine fun, but they leave no great impression on the ear. Grenell's idea is to give a sense of tone discrimination by using all possible combinations of voices and instruments. One side of a record will have a narration to a piano quintet background. The other side might continue with a cheerful melody played by four woodwinds and a French horn. Others have full orchestra, others single instruments like a guitar or recorder.

Thus a child of three is exposed to the whole spectrum of sound.

Fourth, a serious consideration of the elements of humor, a factor in bringing up which has been ignored in even our best schools. Whenever possible the Guild releases a funny record. The response to the last of these, There's something in the air in a house. In the Guild record The Lonesome House the sounds are presented musically and sympathetically, being alone, the record tells the kids, is a nice time to listen. There is no mention of being scared, no surprises or discs in the music. Another application of this idea is in Mr. Myself and I, a series of song-plays for the bedridden child, each of which can be acted out on the counterpane.

Educators have impressed the idea of fully moralizing to children. On the other hand a child will sell himself a moral if given the chance. Grenell's Mr. Grump and the Angle School Band demonstrates the virtues of cooperation. When band members don't work along with Mr. Grump, the music sounds awful. When they decide to follow the leader, it sounds fine. This concept has

Continued from page 109

LYRE-END COCKTAIL TABLE

It's Smart!

Stylish for the smartly furnished American home, this beautiful Lyre-End Cocktail Table by Ridgeway has a mahogany veneered top with clear glass insert. Ask about it at your favorite furniture store.

Ridgeway
GRAVELY NOVELTY FURNITURE CO., INC., RIDGEWAY, N. J.

Which Do You Want?

Better Digestion Normal Elimination Restful Sleep Strong Healthy Teeth Continued Good Eating

Then stop

These three-way precious vitamins and minerals in your food

in preparing the ordinary way, you peel off and throw away those vitamin and mineral filled peels which are so essential to good health. With the Vita-Mix you keep ALL the natural health-giving food value. That's a没办法 in the best way to cook fruit or vegetables. The Vita-Mix is Completely liquidized, whole, clean, nourishing all fruits and vegetables into tiny, suspending drinkable liquids. Leaves no pulp. No cooking, juicing or peeling of fruits necessary. Now you can have an abundance of the best Easy to sterilize.

Get 2 Gifts If You Order Now

Electrical Grill Art Deco Tenter ...worth $ 9.95	 Tostiso perfectly two vegetables at a time. Makes preparing meals tripe faster.

Vita Miracle Recipe Book...worth .35	 Shows you how to make 520 delicious dishes and drinks with your Vita-Mix.

Vita-Mix	...worth 10.95

Order now while stainless steel is available. Includes all attachments for a complete food processor. Total Value $16.45

MAKE MEALS COMPLEX

VITA-MIX

DRINK YOUR WAY TO HEALTH

Only Machine with Stainless Steel Bowl and Stainless Blades

Orig. $50.45 Value $29.95

Safe Money Back Guarantee

If you are not completely satisfied with your new Vita-Mix, return it to us for a full refund within 10 days of delivery. All Vita-Mix attachments also included.

Inexpensive to Install and Operate

As in this lovely type ranch house in Darien, Connecticut, home owners and architects have found Continental Glassheat to be inexpensive to install, yet cleaner and healthier than any other type of heating system yet devised. Glassheat panels can be wired into your home as easily as your lighting system. It can be operated and controlled like your electric light with a thermostat installed in each room. It can be used to heat your entire house, or as an auxiliary heating unit to warm a cold room.

The humidity range is healthier than with any other type of heat, and its safety features make it ideal for children's rooms. Common colds are unknown with this system.

Works Perfectly in All Areas Above or Below Zero!

This is a typical glassheat panel. It lends itself to a variety of decorative plans and can be either installed flush or recessed into the wall.

Write for literature and the name of distributor near your home.

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British Railways

Vita-Mix

MAKE YOUR HOTEL RESERVATIONS BEFORE you leave for BRITAIN!

* Glenelges Hotel in the foothills of the Scottish Highlands is a must for golf in its native setting. Britain's premier resort hotel features squash, tennis, an indoor swimming pool, cinema and dancing, Open Easter to October.


* 47 Hotels of high standard are operated by the HOTELS EXECUTIVE, BRITISH TRANSPORT

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CHICAGO 2, ILL., 39 So. La Salle St.
LOS ANGELES 14, CAL. 510 W. 6th St.
TORONTO, ONTARIO, 69 Yonge St.
SKIERS continued from page 67

QUICHE LORRAINE
Rich pastry for 10-inch pie or tart pan
6 slices crisply cooked bacon, chopped
5 eggs, beaten lightly
2½ cups light cream
2 tbsps. melted butter
2½ tbsps. minced onion
1½ tsp. Worcestershire sauce
1½ tbsps. salt
1 tsp. grated nutmeg
1 lb. Swiss cheese, grated
Cayenne
Freshly ground black pepper
3 tbsps. grated Parmesan cheese
Line an ovenware pie dish or a tart pan with the pastry; crimp the edge. Scatter the bacon in the bottom over the pastry. Combine the eggs, cream, butter, onion, Worcestershire, salt and nutmeg. Add Swiss cheese, mix, pour into the pie dish. Sprinkle with a little cayenne and pepper, cover with Parmesan and bake in a moderate oven (375°) about 15 minutes. Lower the heat to 300° and continue baking till the custard is set and browned on top, about 35 to 45 minutes in all. Longer if necessary. Serve warm. With the oysters, add to the pie and cook five to 10 minutes, or till the oysters are plump and their edges curled. Add a very light sprinkling of celery salt and sprinkle with browned crumbs. Set the pan over hot water to keep warm for serving. 6 to 8 servings.

OYSTER PILAU
1 green pepper, cut in julienne strips or minced
1 medium-size onion, minced
1/2 cup butter
2 1/2 cups bouillon, stock or consomme
1 tomatoes, peeled and chopped
1 tbsp. minced parsley
1 tsp. salt
1/2 tsp. fresh or Vi tsp. dried oregano
2 lb. fresh oysters, or quick-frozen oysters thawed and drained
Celery salt
3 tbsps. browned and buttered crumbs
Combine the pepper and onion. Sauté the in the butter in a two-quart chafing dish over direct heat till the vegetables are tender. Add the stock or consomme, tomatoes, parsley, salt and rice. Cover the pan and let cook till the rice is tender, about 20 minutes, longer if necessary. Add the oregano the last five minutes of cooking. Drain the oysters, add to the pilau and cook five to 10 minutes, or till the oysters are plump and their edges curled. Add a very light sprinkling of celery salt and sprinkle with browned crumbs. Set the pan over hot water to keep warm for serving. 4 to 6 servings.

HOT APPLES BOURGEAISE
8 ripe apples
1/2 cup sugar
2 cups water
1/2 cup mixed, chopped candied fruit (dates, pineapple, raisins, apricots, cherries)
1 cup cold custard
1/2 cup macaron crumbs or chopped roasted almonds
2 tbsps. granulated sugar
1 tbsp. brown sugar
Wash and peel the apples; remove (Continued on page 112)

ROOMS FROM $6
And Special Discounts
June 3—Feb. 1
March 1—April 15

FOR RESERVATIONS: Address W. P. Rogers, General Manager, Sun Valley, Idaho, or your local Travel Agent.

UNION PACIFIC RAILROAD

From Skiing to Swimming... all in your Sun Valley day!

UNION PACIFIC

You can enjoy the smoothest skiing ever—and more of it, thanks to the eight electric chair lifts—followed mere minutes later by a refreshing plunge in either of two worm-water, gloss-enclosed pools. And for extra fun measure there's skating, sleighing, dancing and evening entertainment. You'll be pleasure ahead if you make your plans now.

UNION PACIFIC RAILROAD

QUICHE LORRAINE
Rich pastry for 10-inch pie or tart pan
6 slices crisply cooked bacon, chopped
5 eggs, beaten lightly
2½ cups light cream
2 tbsps. melted butter
2½ tbsps. minced onion
1½ tsp. Worcestershire sauce
1½ tbsps. salt
1 tsp. grated nutmeg
1 lb. Swiss cheese, grated
Cayenne
Freshly ground black pepper
3 tbsps. grated Parmesan cheese
Line an ovenware pie dish or a tart pan with the pastry; crimp the edge. Scatter the bacon in the bottom over the pastry. Combine the eggs, cream, butter, onion, Worcestershire, salt and nutmeg. Add Swiss cheese, mix, pour into the pie dish. Sprinkle with a little cayenne and pepper, cover with Parmesan and bake in a moderate oven (375°) about 15 minutes. Lower the heat to 300° and continue baking till the custard is set and browned on top, about 35 to 45 minutes in all. Longer if necessary. Serve warm. With the oysters, add to the pie and cook five to 10 minutes, or till the oysters are plump and their edges curled. Add a very light sprinkling of celery salt and sprinkle with browned crumbs. Set the pan over hot water to keep warm for serving. 6 to 8 servings.

OYSTER PILAU
1 green pepper, cut in julienne strips or minced
1 medium-size onion, minced
1/2 cup butter
2 1/2 cups bouillon, stock or consomme
1 tomatoes, peeled and chopped
1 tbsp. minced parsley
1 tsp. salt
1/2 tsp. fresh or Vi tsp. dried oregano
2 lb. fresh oysters, or quick-frozen oysters thawed and drained
Celery salt
3 tbsps. browned and buttered crumbs
Combine the pepper and onion. Sauté the in the butter in a two-quart chafing dish over direct heat till the vegetables are tender. Add the stock or consomme, tomatoes, parsley, salt and rice. Cover the pan and let cook till the rice is tender, about 20 minutes, longer if necessary. Add the oregano the last five minutes of cooking. Drain the oysters, add to the pilau and cook five to 10 minutes, or till the oysters are plump and their edges curled. Add a very light sprinkling of celery salt and sprinkle with browned crumbs. Set the pan over hot water to keep warm for serving. 4 to 6 servings.

HOT APPLES BOURGEAISE
8 ripe apples
1/2 cup sugar
2 cups water
1/2 cup mixed, chopped candied fruit (dates, pineapple, raisins, apricots, cherries)
1 cup cold custard
1/2 cup macaron crumbs or chopped roasted almonds
2 tbsps. granulated sugar
1 tbsp. brown sugar
Wash and peel the apples; remove (Continued on page 112)
Note how the beauty of this room is highlighted with an arresting panel of Structural Corrugated Glass. Obscure glass by Mississippi can enhance the livability of your home without destroying privacy. Use it in any room to brighten interiors with borrowed light. Bring the outside inside, in soft, lustrous illumination. And glass is modern... so practical. Never "wears out"! Easy to clean and always beautiful to behold.

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SKISERS continued from page 111

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Peter Cowland photo, Los Angeles, Calif.

cores. Make a light syrup of the sugar and water, and when it begins to thicken, cook the apples in it till they are tender, about 30 minutes. Drain and place the apples in an evergreen serving dish (shallow casserole). Fill the centers with the mixed candied fruit. Coat the top of each apple with custard, sprinkle thickly with crumbs or almonds or both and sprinkle the mixed sugars over all. Set the dish in a hot oven, 425°, or under low broiler heat till the top is browned. Place the dish on the table warmer to keep it slightly warm for serving. 8 servings.

CRAB MEAT-HAM ROLLS
8 large sections fresh cooked, canned or quick-frozen crab meat
French dressing, herb seasoned
8 thin slices boiled ham
2 tbsp. butter
4 slices thin buttered toast
Pickle relish or chopped green pepper
Lobster, shrimp or chicken make good substitutes for crab meat.

If quick-frozen crab meat is used, defrost it and use at once. Remove all bones from the meat; do not mince or chop it but leave it in good-sized chunks. Place in a glass or china bowl, cover with French dressing and set it in the refrigerator for an hour or longer. When ready to cook at the table, drain the crab meat, roll each large chunk in a slice of ham and fasten with a toothpick. Heat the butter in the chafing dish pan over direct heat. When it is very hot, place the rolls carefully in the pan and sauté till hot and lightly browned on top and bottom. Serve two on each slice of toast. Add a dab of relish or green pepper for garnish, or Major Grey's Indian chutney. Or garnish with very small tomato aspic molds, 4 servings.

SALMI OF BEEF
2 tbsp. butter
2 tbsp. flour
1 cup bouillon (cube or canned)
1 tsp. lemon juice
1/2 cup Burgandy
1 tbsp. Worcestershire sauce
4 generous slices tender, cold roast beef

Heat the butter in the chafing dish pan over direct heat. Stir the flour into it until browned; add the broth and stir until it begins to thicken. Add the lemon juice, wine and Worcestershire. Stir to mix. Place the meat in the sauce and let it heat 2 or 3 minutes, no longer. Serve at once. 4 servings.

PECAN TARTLETS
Rich pastry for 8 individual tart pans
2 eggs, beaten lightly
1/2 cup brown sugar
1/2 tsp. salt
2 tbsp. butter creamed with
2 tbsp. flour
1 cup maple syrup or dark Karo (corn syrup)
1 tsp. vanilla
1/2 cups chopped pecans

Line the tart pans with pastry, crimp the edge. Bake in a hot oven (400°).

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five minutes. Remove from the oven.
Combine all ingredients, pour into the
tart shells. Reduce the oven heat to
375° and bake the tarts 40 to 45 minu-
tes longer, or till the crust is golden
and the filling set. Serve plain or top
each tart with a dab of whipped cream.
8 servings.

BLACK CHERRY TART
1 c. butter or margarine
3/4 c. sugar
1 egg, beaten slightly
1 tsp. vanilla
2 c. sifted flour
1 tsp. lemon
Keep the butter at room temperature
till softened. Beat with a wooden spoon
till creamy, gradually adding the sugar
and the egg. Continue to beat; add the
flavoring and mix well. Gradually beat
in the flour to make a firm dough. Chill
the dough in the refrigerator then roll
it out to a thin pie crust. Fit the pastry
into a 9-inch round tart pan or shallow
casserole. Crimp the edge. Brush it
till all over with the egg white. Bake in a
moderate oven (375°) till lightly
browned, 15 to 20 minutes. Let cool.

Drain the cherries and save the
juice. Mix the sugar with the corn-
starch, stir the juice slowly into it un-
til well mixed. Stir slowly till the mix-
ture is thick and clear, stirring con-
stantly. Let it cool slightly. Put the
drained cherries in the tart shell. Pour
the cornstarch mixture over them and
chill. Serve plain or with whipped
cream on top. 8 servings.

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in the guise of nice friends who are
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any country has ever known.
Even as these innovations take
shape, he is looking forward to the next
big challenge: good music for the
adolescent. Horace Grenfell would much
rather talk about his problems than his
achievements. But there are three ex-
ceptions to this: Peri, Peter and Rob,
his own children. More than once
throughout the struggles to build
Young People's and the Children's
Record Guild, one of these three has
imperiously vetoed some of Pop's
brightest ideas. "Trouble is," Pop con-
fesses, "they are always right."

continued from page 110

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Continued from page 110

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Continued from page 110

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Continued from page 110

Continued from page 110
Here is the shopping information for the merchandise shown on pages 74-77.

All prices are approximate

Page 74

WALL COVERING: F. Schumacher, black and gold spatter on white background $4.85 a roll at Schumacher’s, N. Y.

FLOWER: Danbury Rubber Co. White rubber tile 9" squares 75c sq. ft. installed, through your contractor.

ACCESSORIES: Sterling silver flatware, Cartier’s, N. Y. Plates and bowl by Wedgwood. Glassware by Imperial. Flowers from Irene Hayes, N. Y.

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Page 76


Page 77

WALL COVERING: F. Schumacher, black and gold spatter on white background $4.85 a roll at Schumacher’s, New York.

CURTAIN: Celene Corp. yellow “Frosted Chifonese” rayon, 45" w., $1.25 yd., Altman’s, N. Y. The E. C. Carter & Sons “Tambour” embroidered Swiss muslin $12.50 yd., available through decorators.

LAMP: Lightolier Co., marble obelisk, Inlay design $225 for base, available through decorators.


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