

Special Issue

American Know-How

HOUSE & GARDEN

JULY
\$1 1976

Breakthroughs

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- Electronic marvel — the house that thinks for itself
- Terrific family kitchen for quick and easy cooking
- 15 new low-calorie party recipes
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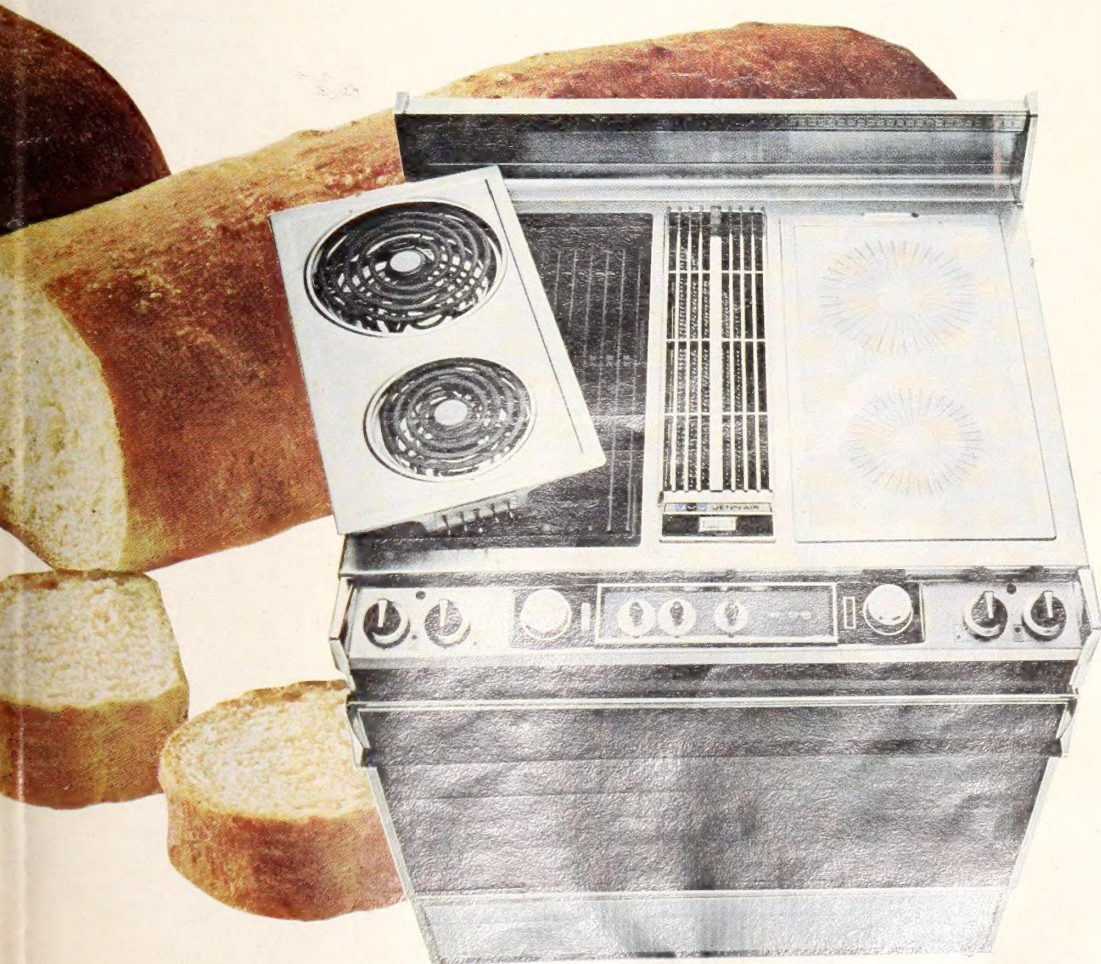
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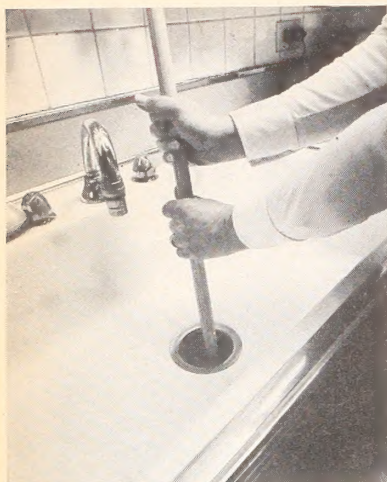
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HOUSE & GARDEN

(INCORPORATING LIVING FOR YOUNG HOMEMAKERS)

Vol. 148 No. 7



BEADLE

ON THE COVER: For people who love summer: a family kind of place, for lunch or a late supper before everyone rushes off to see the fireworks. It's just an old-fashioned Long Island veranda (your own back porch would do), turned into an outdoor dining room by its owners, Mr. and Mrs. Lee V. Eastman. The table, one of two, is all down-home Fourth-of-July, clothed in red cotton and surrounded with mismatched old white wicker chairs cushioned in blue denim. The soup bowls are blue and white Gienware, a heavy pottery used in the provinces of France. Along one wall nearby, a buffet shelf has been installed near an electric outlet so foods can be kept warm on trays. The Eastmans keep their entertaining informal always, with two or three simple, delicious dishes—most with ingredients fresh from the garden, and all the kind that encourage you to help yourself. For the summer lunch here, a soup of clams and mussels stewed in a savory liquor of white wine, shallots, and thyme. With it, a tomato and onion salad, a plum tart for dessert. The flower garden was planned like an old-fashioned English one, with mostly annuals growing in masses and clumps—fewer weeds, a natural, prettily tousled look. This summer, marigolds, cosmos, zinnias, snapdragons, daisies, a begonia border—and a birdbath for the cardinals that love the setting (and the Eastmans who feed them) so much that they stay all winter long.

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American Machine and Foundry's new prototype taxi



The Volvo version



Volvo's seating plan

MUSEUM OF MODERN ART

High, wide, and hansom

The American taxi falls short in comfort and design for both passenger and driver. Communication is difficult, security minimal. It's time things changed. Emilio Ambasz, Curator of Design at the Museum of Modern Art in New York, is doing something about it. Some time ago he issued a 48-page Design Specification Manual to four interested vehicle companies. The taxi prototypes they came up with are now on show in the *Taxi Project* exhibition (until September 7) at MOMA. All four cabs (by American Machine and Foundry, Steam Power Systems, Volvo, and

Volkswagen) are 3 inches taller inside than the famous London cab, but the same length, 14 feet, as a Pinto. They conform to the stringent 1977 California pollution standard. "Until we can get an engine to run on tea with lemon, this is the best that can be done in our lifetime," says Ambasz. The dream taxis are low-slung so a baby carriage or a wheelchair can fit easily inside. Electric sliding doors are operated by the driver. Notably, not one Detroit firm participated in this redesign effort. "They were invited but refused," says Ambasz. "I think we've put them in a hot seat. Taxi drivers and fleet owners are very enthusiastic about the new models. There's a market for 85,000 cabs a year."

Over easy

If thought association works, this baby quilt should make any child start the day sunny-side up. The fried egg, in yellow and white cotton, goes with a piece-of-bacon matching rug in bargello. The idea, from artist Ros Cross. From *The New American Quilt* show organized by New York's Museum of Contemporary Crafts, now at Los Angeles County Museum of Art.

Bacon and egg for baby



TED HARDIN



Jacobs created new music guide

Longhair listening

For drivers who prefer Bach to rock, there is a brand-new guide listing more than 700 classical music stations across the country. First published in booklet form last February by enterprising music lover and writer Ben Jacobs, it has now gone into a second, plusher printing, with a full-color cover. "Hundreds of people have written to me and said how they hate driving through rock-and-roll America," he reports. Send \$2.50 plus 50 cents for mailing to Musica Publishing Co., Box 1266 (G), Edison, N.J. 08817.

Little lambs in ivy

It is said that only three people in the world can make a certain kind of topiary animal, sculptured in moss over wire, with ivy growing inside the animal and trained around the body. One is David Sarfaty, whose intriguing "zoo" is in San Francisco. His ivied creatures include a pig, frog, kangaroo with baby, two swans in a pond, an elephant, an ostrich, two geese, a large donkey, two bears, three rabbits, and a snail. All are life-size or larger. The bears play



David Sarfaty with ivy pets

DAVID SARFATY

ball, the rabbits have a jump rope. Care—or grooming as Mr. Sarfaty calls it—is simple. Just a bit of pruning once a month. Water once a week. The price \$250 to \$2,000. David Sarfaty of Cadeau made them in association with florist Podesta Baldocchi.

Heated issues

It's good news to hear that solar energy is springing up in city renewals. In New York City, for example, on the lower east side, a neighborhood action group has organized the complete remodeling of an abandoned 5-story

buildings to be converted by this predominantly Puerto Rican community in the next year. The fixing up is being done by the people themselves, with full support of the Housing & Development Administration, whose Deputy Commissioner, Alexander Garvin, is responsible for administering the



New York graffiti spells out city problem

tenement into efficient low-cost housing for eleven families, with a solar collector on the roof to minimize fuel bills. Travis Price, the energy consultant who designed this rooftop unit, estimates that the system, plus the insulation put into the building, will cut the building's fuel oil bill by 75 percent. Greenhouses are planned for the roof, too, for food production to extend urban independence even further. Travis Price expects three other

\$177,494 mortgage and rehabilitation grant. "It's cheaper for the city to assist this effort than pull down the tenement and rebuild."

SERGE NIVELLE



Price's rooftop solar collector

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Mrs. Bond and stitcher Williams

Missouri sewing bee

The Missouri Bicentennial needlepoint rug, now on display in Jefferson City, is a permanent addition to the Governor's mansion. The project was launched in 1974. More than 1,200 people responded to an invitation to participate; 81 were finally selected, including one 12-year-old, Becky Williams of St. Louis. Each needlepointer worked a square designed with an official state flower. These are all "framed" by a border of the Missouri hawthorn blossom. "More than 4,000 needlepoint hours went into the rug," reports Missouri's First Lady, Mrs. Christopher Bond. Mrs. Larry Huffman and Mrs. Tim Hagan designed it.

A breath of life

Every year 40,000 babies born in the U.S. suffer from respiratory distress syndrome (RDS) and 10,000 of them die. RDS, which occurs mostly in premature babies, develops when an infant's lungs have not matured sufficiently and lack a lubricating substance called surfactant that permits the air sacs to inflate and promote breathing. Doctors now believe RDS can be prevented by giving a synthetic hormone to the expectant mother 24 to 48 hours before the baby is born, accelerating the normal production of surfactant. Tests to spot possible occurrences of RDS can be given as part of prenatal care. Even if the injection is done unnecessarily, no harm results.

Texas taco trader moves north

Texans *manqués* will be happy to learn that Rosemary Jamison, who in the early 1970s busily hawked her homemade tacos, burritos, and other Western specialties at Central Park opposite the Plaza, has not disappeared from Yankeeland entirely. Rosemary has moved about 60 miles north, to Pawling, N.Y. Her new stand, the Texas Taco, is located on Route 22 and is a popular stopping place for skiers, campers, and weekenders bound for country homes. The "stand" is really a small take-out restaurant whose bright yellow exterior with red trim can't be missed. The interior is, in the proprietress's words, "a conglomerate of Texas and New York camp." Rosemary's collection of live animals—a monkey, a parrot, a ram, a pony, and several kittens—also adds atmosphere.

PAM HELLER



Taco queen with pet monkey

But the main attraction of the Texas Taco is the food—tacos, burritos, chili, tostados, guacamole, and fresh cider. Taco aficionados who don't want to make the trip to Pawling can have the fiesta brought to them. For \$350 for 30 people and \$7 for each additional guest, Rosemary will bring her festive pushcarts, loads of food, and her monkey, Coquita, in costume. The Texas Taco, Route 22, Pawling, N.Y. 12564. PAMELA HELLER

PEOPLE

The Kennedy Clan and their chums, taking part in the *RFK Memorial Pro Celebrity Tournament* (everybody who's anybody plays) will be competing for a new trophy this year—dynamic businessman Donald Tober is presenting the "Sweet 'n Low" cup. The tournament will be held August 28 at Forest Hills.

On the subject of New York apartments, philanthropist/gardener Stewart Mott's 4-story aerie at the top of 57th Street's chic Galleria (the one he never moved into) is being

Jean-Jacques Peyronnet, French Consul-General, leads gala-goers at the *France-Louisiana Festival* in New Orleans. The 10-day cultural marathon spans our Independence Day to Bastille Day, July 14. But if you're in Paris July 4, you can get a free tour of the city or of Versailles, courtesy the French Government. Vive l'entente.

Young up-and-coming architect George Ranalli has been awarded the James Stewardson Traveling Fellowship from the A.I.A.'s New York chapter. He's to study color in architecture in Europe. Could mean things will definitely be brighter in America. The latest name to get between the sheets is Billy Baldwin. Like other famous names—Yves St. Laurent, Missoni, Bill Blass—he's going to design a sheet collection. His, for Wamsutta, due September.



Up and coming George Ranalli

considered by a buyer. He's got to be super rich. The price is 3½ million.

Bothered about house security this summer? Pat Hersey, who makes a lucrative living looking after the big-car chiefs' mansions in Grosse Pointe and Bloomfield Hills, has turned herself into House Sitters Inc. She has a network of 37 stringers operating out of Birmingham, Mich., willing to take care of anything from a cat to a cactus and steer off burglars as well.

New York big wheels can join Richard Lenat, organizer of the midnight bike hike of Manhattan, on July 11. Rally outside the Plaza at 2:30 A.M. Bring breakfast, you'll need it by the time you've biked to the Battery.

Names are out of the 11 American architectural glamour boys who will represent the U.S. in the Venice Biennale next month. Stanley Tigerman, Robert Stern, Peter Eisenman, Richard Meier, Craig Hodgett, Ray Abraham, John Hedjuk, Robert Venturi, Charles Moore, Emilio Ambasz, and Cesar Pelli (he's the one who, it's said, has landed the plum job as Yale Dean of Architecture).

More light on the Amish (remember Lord Snowdon photographed them memorably a few years ago?): Author Phyllis Haders will have a book out in the fall, *Sunshine and Shadow*, a marvelous account of the people—and their quilts.

Enfant terrible architect Rem Koolhaas (he's Dutch) is going to shock Americans with his new book, *Delirious New York*, out this fall.



Sandon and rare fine art

The China trade

Henry Sandon, curator of the renowned Dyson Porcelain Royal Worcester China Museum in Worcester, England, is about to mastermind an incredible international swap. In Ohio on a recent lecture tour, Mr. Sandon delivered his usual talk, followed by an informal discussion, when a member of the audience came forward with a large piece of Royal Worcester porcelain. Mr. Sandon looked at it with astonishment. It was a fine cup to be swapped from the

Duke of Gloucester's banquet service, made in 1770. "An incredibly sumptuous service," he adds. "Single plates sell for \$3,000 today." The soup tureen standing in the china museum's collection, although the tureen itself is there. With some gentle persuasion the Ohio collector agreed to an imaginative suggestion from Mr. Sandon. If he would let the museum have the stand, he would be recompensed with something of equal value from the museum. "We chose a very rare coffee cup and saucer for him," reports Mr. Sandon. "And we're delighted with the exchange."

Have you ever slept in a bed of Oriental flowers?

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DEPARTURE POINTS



Bringing back the catch on Salinas beach

The happy hookers

If you like the idea of deep-sea fishing, you couldn't do better than try your hand in Salinas, Ecuador. It's a piscatorial paradise, created by two rivers that collide

in the Pacific about 7 miles offshore. One is the frigid Humboldt Current, the other the warm Equatorial. Fish abound in their watery clutches. Fishermen often put bait in front of as many as fifty marlin a day. Their average weight is 150 pounds, although you'll see much larger swordfish, dolphin, sailfish, and tuna. Incan Indians are your guides. After an hour's boat ride to the fishing ground from Salinas's good hotel, the 40-room Carnero Inn (terraces for every room, fine seafood), you'll begin to sight the marlin's sickle-like fin cutting through the water. You may want to release your catch, or have it prepared for dinner if it's other than marlin. Or you can make arrangements to carry it home as a trophy. Miami is the departure point for flights to Ecuador, via Braniff, Ecuatoriana, and Lan-Chile. Round trip for the 4-hour journey is about \$300. You can top off your fishing trip with a stop at cosmopolitan Quito, high in the Andes, ringed by snow-capped volcanoes. You'll find weavings, carvings, pottery, and other fine native crafts.

MARILYN LANE

Ecuadorian Highlights

Everywhere, the Paico Sour, a national drink—white rum, anise, lime juice. **** At the Carnero Inn, the raw fish hors d'oeuvre Seviche, and Dolphin Meunière, superb with the local beer **** In Quito, the best native crafts at OCEPA, a government-run center downtown. Lacquered dough dolls and animals start at \$2. **** Quito's star South American restaurant is La Chozza, Avenida 12th of October. Ask for the yellow potato pancakes with fried eggs.



Leroy is expanding interests

Entrepreneur plans posh pub

The Tavern-on-the-Green restaurant in Central Park, New York City, is undergoing an elaborate \$3 million overhaul. When it opens next month, says entrepreneur/owner Warner Leroy, who with his perfectionist's touch is planning everything from elaborate wood carvings down to the doorknobs, food mavens will find two dining rooms. "One super, elegant, and rustic, with lots of flowers. The other a glass pavilion, which will be hung with some quite magnificent crystal chandeliers. Turn of the century, from India." No doubt the final result will be spectacular. After all, Mr. Leroy created that glittering Art Nouveau oasis, Maxwell's Plum. Rumor has it he's planning a lavish development of the 59th Street Queens Bridge. The derelict space may be a market, with fruits, flowers, vegetables. "That's way ahead."

War booty

Over the next two years, Royal Doulton will produce a total of 13 porcelain soldiers of the Revolution to commemorate the Bicentennial. Each one is being produced in a limited edition of 350. The figures have been made in consultation with Mr. Harold Petersen, Historical Consultant to the Colonial Williamsburg Foundation, so they are accurate right down to seams in clothing and eyelets on boots. Heirlooms for generations ahead, each costs \$750.



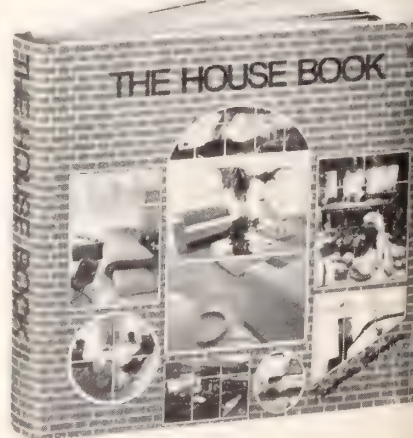
Royal Doulton soldier

The hot house book

The interior design book that people stood in line to buy in New York earlier this year is now available across the country. It's *The House Book* by British designer Terence Conran (Crown, \$30). When Fabrications, the New York fabric shop, flew in copies from London, the reaction was astonishing. Everyone raved, everyone bought. But no wonder. Conran is practical, down-to-earth, and concerned about living for today. He discusses the one-room situation, awkward spaces, better lighting, improving house façades, and innumerable other topics. Conran's basic list for starting out in a house or apartment: two good chairs, a table, a bed, pillows, sheets and duvet, a heavy frying pan and saucepan, an excellent kitchen knife, one wooden spoon, two plates, two knives and forks, and a couple of mugs and a teapot. "This sparseness allows you to consider carefully what you really

need and want, before you rush to the shops." The book's excellent illustrations are a fine prod to the imagination. Just as useful, though, are Conran's pointers on successful relationships with contractors et al. "Most people who have ever employed a builder will confirm that the relationship starts with great enthusiasm and usually ends up with one or both parties hating the sight of each other. But you can end up friends."

Conran's compendium



Montgomery with antique American earthenware

American art takes a trip

After seven weeks at the Yale University Art Gallery, the show of American art and decorative treasures,

Towards Independence, opens in London this month. It's the only American Bicentennial show to go abroad. Each one of the 240 objects being displayed was packed in its own wooden, foam-lined crate, and the whole consignment flown to London in two planes. "We thought it best to divide it up. We didn't want everything to go down in the event of a plane crash," explained Yale's Professor of History of Art, Charles Montgomery, who put the show together and traveled in one of the planes as official escort. Dr. Montgomery, former director of Winterthur Museum, spent three years preparing the exhibition and catalogue, which brings together examples of American art made in the 25-year period on either side of 1776. If you didn't see the show, the catalogue is a treasure. \$8.50, New York Graphic Society, 34 Beacon St., Boston, Mass. 02106.

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the disadvantages
of our
long cigarette.

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mg. "tar," 1.1 mg. nicotine,
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mg. "tar," 1.1 mg. nicotine,
per cigarette—soft pack, FTC Report, Apr. '78.

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That Cigarette Smoking Is Dangerous to Your Health.



Regular and Menthol
in soft and hard pack

Wheeler dealers

Anybody who has ever been to Bermuda and enjoyed the island's low-speed, easy-to-handle motorbikes will be delighted to know this form of leisurely transportation is coming to the U.S. Fourteen



TED HAFDIN

Yung on Puch Maxi bike

states have passed laws in favor of "mopeds" including New Jersey, Virginia, North and South Carolina, Ohio, Michigan, Texas, Nevada, California, and Hawaii. Twelve more have such legislation pending. One exemplary model, the Puch Maxi, is now selling like hotcakes in various parts of the country. President of the Puch American Company, Robert Yung (the bike is made outside Vienna by Steyr Daimler Puch), says they substitute for a second car—but there's no comparison in running costs. The Puch, retailing for \$450, gets an amazing 150 miles to the gallon. Servicing is minimal. "Apart from that," Yung says, "they're just plain fun."



4th-century Stavrovouni monastery in Cyprus welcomes guests

Living like a monk

Imagine spending the night in a monastery with nine Greek Orthodox monks, and an abbot who looks like a bearded Burt Reyn-



A monk at St. Neophytos

olds. It's possible and pleasurable. There are six Greek Orthodox monasteries on the Mediterranean island of Cyprus where strangers can find refuge. We tried the

monastery of St. Neophytos, a day's drive along the southern coast from Larnaca. On the way, travelers pass the monastery Stavrovouni, founded by St. Helena. Take a glass of Commandaria wine that the Crusaders enjoyed in the town of Limassol: picnic for lunch at the Temple of Apollo. Continue past Aphrodite's birthplace, past Paphos, Ktima, and up to St. Neophytos for dinner. Through the gates you find a small church, next to the cloisters, sparkling white with bright blue doors. All rooms on two galleries surround a courtyard below, canopied with grapevines. With nine monks ranging in age from 18 to 75, we shared a dinner of home-grown vegetables and round flat bread baked on the spot. The yogurt was sprinkled with spearmint, the artichoke

DEE HARDIE

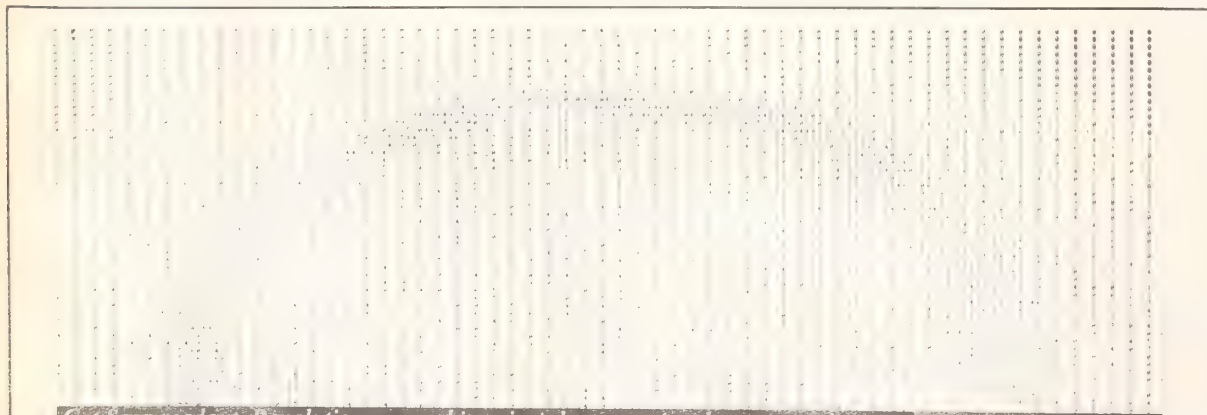
hearts eaten raw; sweet watermelon ended the meal. Waking in a sparse, yet comfortable, room, with all essentials except a mirror, we heard glorious chanting at dawn. The church, a small jewel with wall-to-wall icons, was formal, yet villagers wandered in at different times. The monks, now in fine embroidered robes, swung incense and formed archways of tall crosses. When leaving, we tried to pay for our room and board but were gracefully refused. Suggesting a gift instead, we finally got them to admit that what they wanted were picture books of John F. Kennedy. More information about monasteries from Cyprus Tourism Organization, P.O. Box 4535, Nicosia, Cyprus. DEE HARDIE



Let's have ramps for crutches.

An uphill fight

Why are so many human problems discounted by planners and designers? Why isn't there a spiral ramp at the subway station for a person with a baby carriage? Shouldn't bus steps be easier for elderly people to climb? Any weekend athlete who has suffered a temporary injury from skiing or horseback riding knows how the world feels to the physically handicapped—unrelenting, unfriendly. Recently, enlightened Minnesota State Park managers met for a 3-day seminar. Everyone was given blindfolds, ear plugs, wheelchairs and told to find his way around a typical outdoor recreation area. They pooled reactions and agreed on needed changes. There are people in Washington lobbying for such open-minded approaches and for legislative action. You can lend your support by joining the National Center for a Barrier Free Environment, 8401 Connecticut Ave., Washington, D.C. 20015. Individual memberships, \$10 a year.



Cat Scan readout. Revolutionary machine gives doctors uniquely accurate diagnosis.

New x-ray machine does more

The computerized axial tomography scanner (Cat Scan for short) is a new British-invented x-ray machine with a big difference. It takes thousands of x-rays of a particular part of the body, each of a different layer, fractions of a centimeter thick. A computer reconstructs these pictures of "body slices" in the proper order. Then a composite picture appears on a viewing unit. Previously this degree of accuracy could only be achieved by slicing tissue in a post-mortem. Doctors consider the Cat Scan revolutionary. It offers a

quick, painless diagnostic procedure for tumors, infections, hemorrhages and other lesions of the brain, and diseases of the lungs, pancreas, liver, and kidney. So far about 220 machines are in use in this country. In New York, there are units at Mount Sinai, New York University, Cornell, Montefiore, and Columbia Presbyterian hospitals. By 1977, probably 400 will be in operation, many in private offices. Despite the cost (between \$250,000 and \$600,000 per unit), it's hard for private practitioners to resist this equipment which offers fast and accurate information not available through any other single medical test. Cost to the patient for a Cat Scan exam ranges from \$150 to \$350.

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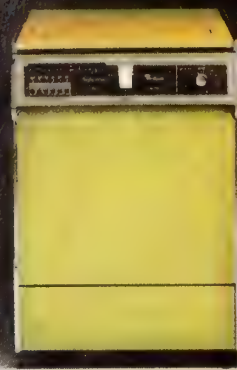
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New 16-page book on
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Questions & answers

Antiques

By Louise Ade Boger

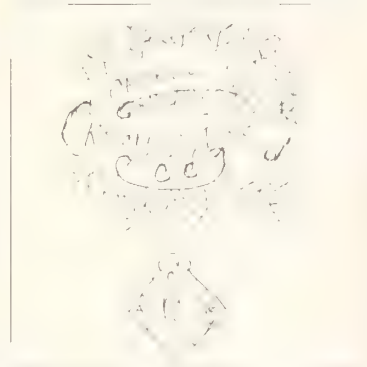
Chippendale style chairs



From the photograph, can you tell me anything about the origin of my chairs? J.B.D.—Laurel, Miss. The two Chippendale style chairs are pleasing examples of the Colonial Revival, fostered by the

Centennial in Philadelphia, 1876. The fashion for Colonial reproductions was abetted by an enthusiasm for antiques and an awareness of the "good breeding" of the furniture of our forefathers.

Staffordshire mark



What do the markings on my plate stand for? Can you date it?

R.W.—Boston, Mass.

C.C. marks appear on scenic centered printed English earthenwares of the 1840s. The name Catskill Moss (referring to the border patterns) also appears on these C.C. marks. One mark of this variety is found with the English design registration mark of Dec. 16, 1844 (as in your mark). Polish soldier/statesman Kosciuszko fought for America during the Revolution, is buried in the cathedral at Cracow.

English stoneware

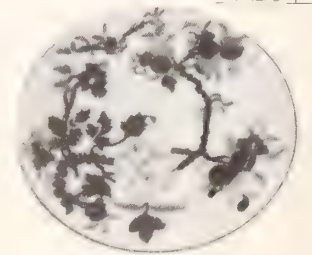


The only apparent marking on my tea set is (22). Can you identify the

type of china and possibly date it?
 R.M.H.—Saint Marys, Ga.

White stoneware tea sets, such as yours with relief-molded designs, frequently ornamented with blue enamel borders, are traditionally attributed to the Castleford Works, of David Dunderdale & Co., Yorkshire, England. These Castleford-type wares were made by a number of potters, 1800-1825, and very few bear the D.D. & Co. mark. Most examples are unmarked except for impressed numerals—frequently 22 on teapots.

Hizen pattern



Who made my plate? Do you know what "Hizen" means?

D.V.L.—Lebanon, Mo.

The Staffordshire potters G.L. Ashworth & Brothers, active at Hanley since 1862, used this mark from 1862 to about 1890. "Hizen," the name of the pattern, is a province famous in the ceramic history of Japan. From its kilns came Kakiemon, Nabeshima, Hirado, and Imari porcelain wares.

Continued on page 20

Heritage furniture at these and other fine stores.

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Chorage, Nerland's Home Furnishings
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Phoenix, Mehagian's Furniture Galleries
Scottsdale, Barrows Furniture
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Alhambra, Wm H. Davies Interiors
Alhambra, Thompson's
Anaheim, H.J. Garrett Furniture
Belmont, Suburban House
Beverly Hills, Suburban House
Chico, Thompson's
Costa Mesa, Ted von Hemert, Inc.
Costa Mesa, Davis Furniture Company
Costa Mesa, Lloyd's of Long Beach
Encinitas, Barker Bros.
Encinitas, San Fernando Furn. Galleries
Escondido, Ted von Hemert, Inc.
Fullerton, J.H. Biggar
Fullerton, J.H. Biggar
San Diego, Burnett's
San Diego, V.I. Lloyd House Of Fine Furn.
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San Ramon, J.H. Biggar
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Hartford, Nassau Furniture
Hartford, Interiors by Alexander
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Southbury, Classic House
Southport, Freedman's of Southport
West Hartford, Marholin-Lane

HAWAII

Honolulu, Maui, Nerland's Home Furn.

IDAHO

Boise, Hendrens

MASSACHUSETTS

Amherst, Cabot House
Amherst, Leone's Drexel Heritage
Woburn, Boston Furniture
West Springfield, Sam Salem, Inc.

NEVADA

Las Vegas, Bertha's Inc.

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NEW JERSEY

Cherry Hill, Jack F. Bateman's Interiors
Hackensack, Huffman Koons—All Stores
Montclair, Hampton House
Mt. Holly, Rancocas Valley Furniture
Newark, Leon Furniture Co.
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Albany, Mayfair Home Furnishings
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Buffalo, Country Manor Galleries
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Huntington, Lyons Furniture Company
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New York City, G. Cardarelli, Inc.
Poughkeepsie, Fleishman's Fine Furniture
Rochester, Bayles Furniture, Inc.
Schenectady, Robinson Furniture Co., Inc.
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Syracuse, D.A. Daniels
Utica, Leeds Distinctive Furniture, Inc.

OREGON

Portland, Drexel-Heritage-Showplace

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Ponce, Mundo Muebles, Inc.

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Cranston, The Sofa Shoppe, Inc.

VERMONT

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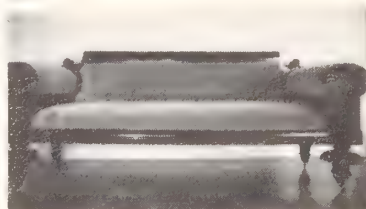
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Address _____
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State _____ Zip _____

Mail the coupon to Devoe Paint, Dept. G, Historic Charleston Print, Box 1863, Louisville, Ky. 40201.

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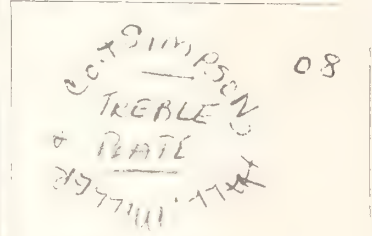
Antiques
continued from page 18

Empire-style sofa



Would you identify the style of my sofa and tell me when and where it was made? J.L.—Bethesda, Md. Your Empire-style mahogany sofa with upholstered arms resembling the fashionable cushions of the early 19th-century classical period was made in Philadelphia, probably around 1825. It is really a composite piece, which accounts for its distinctive charm.

American napkin ring

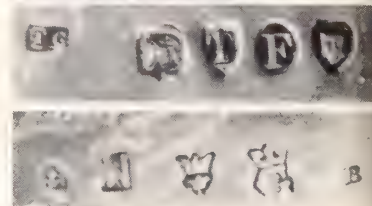
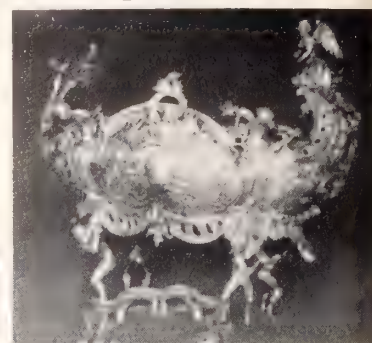


From the mark and snapshot, can you tell me anything about the background of my napkin ring?

R.A.S.—Lafayette, Cal.

Your napkin ring appears in the 1878 catalogue of Simpson, Hall, Miller & Company, Wallingford, Conn. Figural napkin rings, originating in the American Victorian period, were featured in the catalogues of most large manufacturers of plated silver wares.

French centerpiece



My silver centerpiece has two sets of marks. What do they mean?

R.J.S.—Hillsboro Beach, Fla.

According to one set of marks, your silver centerpiece was made in France, perhaps Grenoble, about the mid-19th century. The other set—an English import mark, tells you that it was entered in London, 1894-1895. In 1883 an act was passed in England providing for the compulsory assay of foreign silverware. It was to be assayed and hallmarked as if it were English, but with the addition of the letter F.

Antiqueries

Copies of Louise Ade Boger's book, *House & Garden's Antiques: Questions & Answers*—containing more than 900 items from past columns arranged by category for easy reference—can be purchased for \$9.95 a copy, plus 45¢ to cover postage and handling. To get a copy, please write: Condé Nast Books, Post Office Box 3308, Grand Central Station, New York, N.Y. 10017.



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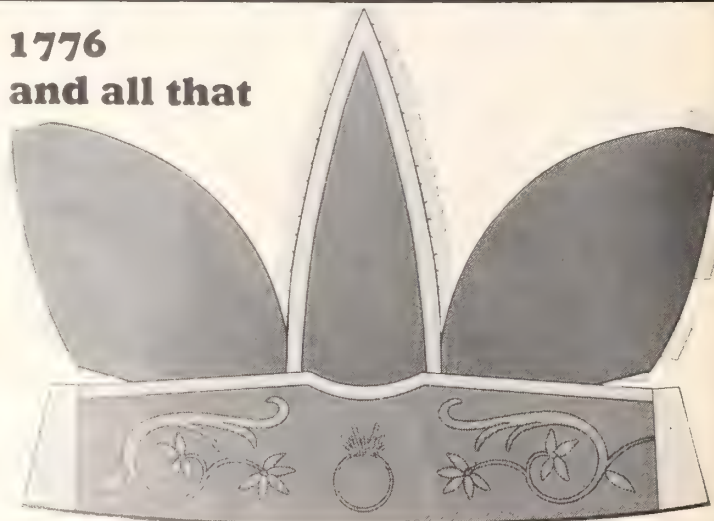
Camper's at work in Nova Scotia

At Camp Discovery on Cape Breton Island, Nova Scotia, 8- to 16-year-old campers double as construction workers. They've built the entire camp themselves, with the aid of parents and counselors. Just finished is an octagonal dormitory built like a barn, with a cupola. Campers cut the tree themselves for the large center

pole, and "it took everyone a camp to get it down here." Camp founder Eleanor Hamilton, a psychologist and educator, feels building is "one of the things that kids really like to do." But, she adds "we did everything at least twice. When an 8-year-old builds a window frame, it's likely to be wrong the first time." Campers thus far have built two tree houses (in which some of the campers and counselors sleep), a small cabin, a big dining hall, and the new dormitory. Enthusiastic parents came up early last year and started the dining hall, which was then finished by the campers and counselors.

Camp Discovery is kept small—32 kids and 10 counselors—and focuses on teaching campers to live with nature. Backpacking into wilderness areas, canoeing, and art and crafts are other major activities. This year, the camp season runs from July 6 to August 31. For information, write to Eleanor Hamilton, the Hamilton School, Sheffield, Mass. 01257.

1776
and all that



For historically minded kids, Bellerophon Books's excellent and lively American Revolution series includes *A Coloring Book of the American Revolution*, with both humorous and serious scenes (\$1.95), *Paper Soldiers of the American Revolution* to cut out and put together (either American or British troops, \$2.50 a set), *Caps & Helmets of the American Revolution* to cut out and wear

(\$2.95), above, and *Flags of the American Revolution*, 50 flags of the war to color (\$1). All the books have good brief historical write-ups of the costume or the scene involved printed alongside. Posters include a dashing George Washington and Bunker Hill (\$1 each, 3 by 2 feet). At bookstores, or write Bellerophon Books, 133 Stuart Street, San Francisco, Cal. 94105.

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Tonight, sleep as you've never slept before."

Joy Heatherton



SERTA, INC. Chicago, Ill.

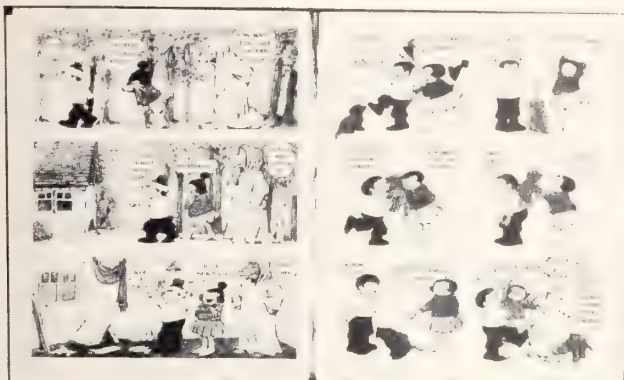
Isn't it time to be good
to your back?
Serta Perfect Sleeper



Maurice Sendak's new book tells how to survive the tribulations of puppyhood with good humor and delightful illustrations

Children's Exchange *continued from page 22*

Puppy love



Some Swell Pup Or Are You Sure You Want A Dog, story by Maurice Sendak and Matthew Margolis, pictures by Maurice Sendak (Farrar, Straus and Giroux, \$5.95) is a handbook in comic-strip form starring a boy, a girl, and a dog. The dog is a puppy who gives his young master and mistress an amazing amount of trouble. (And the book breaks new ground by portraying, frankly

and amusingly, the dog's problems in becoming housebroken.) How all three learn to survive the tribulations of puppyhood is told with a good sense of humor and delightful Sendak illustrations. Love is the answer. Any preschool to third-grade child who has ever "aahed" over a puppy will be as delighted by the difficulties that are detailed as by the happy ending.

KARLA KUSKIN

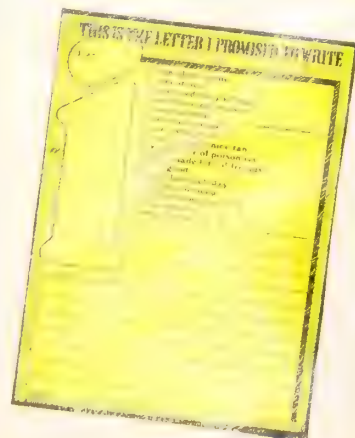
Aspects of adoption

Few infants are available today for adoption, as would-be adoptive parents know only too well. The New York Council on Adoptable Children, an organization of adoptive parents, may be helpful to some. COAC is primarily concerned with finding homes for "hard to place" New York children, most over seven years of age, and most black, Hispanic, or interracial. Some of the children have special physical, mental, or emotional needs. The organization recommends adoption agencies to prospective parents, helps them through the adoption process, and offers the services of 20 volunteer counselors, all of whom are adoptive parents themselves. The group also holds social gatherings for parents and their adopted children, and publishes a newsletter with descriptions of some of the children who are available for adoption in New York City.

A list of similar parent groups in other cities is included in the recently published *Adoption Advisor* (Hawthorn, \$9.95), by Joan McNamara. For additional information on COAC, write to: New York Council on Adoptable Children, 125 East 23rd Street, New York, N.Y. 10010.

Just sign here, please

It's hopeless, of course. Every remedy has been tried—cajoling, threats, promises of money—but children, once they are at camp, just don't write letters. Maddened mothers can try the latest would-be solution: a pad of 25 self-contained fold-and-seal letter forms, starting off with a printed message: "This is the letter I promised to write." Various categories follow and can be checked: "I like it here; I am learning to swim; I received the package; am brushing my teeth; I want to say hi to;" etc. Optimistically, there is a blank space below for the child to write something himself. *Kamp Kards for Kids*, by Fante, \$5 for a package of 25, at stationery stores.



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Don't Let This Summer Destroy Your Complexion

Summer may be a recreation season for you, but a near-disaster for your complexion. You could end the three-month summer season looking decidedly older.

Just one summer day can be like a whirlwind tour through the climates of the world. You swim, then bake on a beach beneath a desert-like sun. You step from sun-baked sidewalks into chilly air-conditioned restaurants or stores. A sudden summer storm leaves the air steaming and humid. Your complexion is exposed with shocking suddenness to a gamut of environments.

No wonder your skin becomes dryer as the summer days pass. And the dryer your skin, the more that dryness emphasizes little lines and wrinkles. And the older you can look. But there's no need to fret. You may enjoy summer fun and still maintain your own youthful look.

Many younger-looking women, from Acapulco to Sydney, discovered a beautiful secret, a unique fluid known in the United States as Oil of Olay beauty lotion. This summer, share the secret of the lovely benefits of this world-renowned liquid that eases away wrinkle-accenting dryness. Complexion-cherishing Oil of Olay, discovered by beauty connoisseurs, softens and silks a woman's complexion with a wealth of pure moisture, tropical moisturizing oils and other emollients.

Oil of Olay, available at drugstores, penetrates so quickly, so

completely, it leaves no greasy after-feel on the skin so the dryness that can make you look older than you like is eased away. The beauty fluid helps maintain the oil-moisture balance, necessary if your complexion is to look as young as possible. The skin-loving liquid also helps keep nature's own moisture from evaporating into the summer air.

Your skin would welcome Oil of Olay whenever it feels dry or slightly tight or rough to the touch. Smooth on at bedtime so it can work its wonders during nocturnal hours. Again in the morning, as a moist, non-greasy base that lets cosmetics stay fresh for hours.

Summer Beauty Secrets

Gently bathe away your sun-protective lotion after sunning. Pat your body not-quite-dry, then soothe your still-damp skin with Oil of Olay wherever the sun's rays have reached you.

* * *

If you wear sunglasses, your skin can seem dry where the frames touch your nose, temples and ears. More frequent use of Oil of Olay on these sensitive spots will be welcome and helpful.

* * *

During these months when the need for Oil of Olay is great, always carry a bottle with you . . . to the beach, on week end trips, shopping.

* * *

When you're dieting (and who isn't these days), denying yourself the pleasure of delicious food, you'll miss a little pampering. More frequent applications of Oil of Olay during diet time will let you enjoy the self-indulgence of a little pampering. You'll enjoy both summer looking and feeling better.

(Advertisement)

Good looks and good health

How to beat the HEAT this summer

and other hot stuff from thermal expert Dr. Jan A.J. Stolwijk

By Caroline Seebohm

Beating the heat is an annual event for those of us who live out of sight of the North Pole. Heat waves are generally considered to be fatiguing, unpleasant experiences—but did you know that doctors are now beginning to regard them as major environmental hazards?

Research scientists at the John B. Pierce Foundation Laboratory in New Haven, Conn., have been studying the effects of the thermal environment on humans for over 40 years, and their discoveries about the physiology of heat and cold should be instructive for everybody.

"When there is an early heat wave in summer, particularly in the Midwest and Northeast, before people have become used to warm weather, a heavy stress is imposed upon the whole population," says Dr. Jan A.J. Stolwijk, associate director of the laboratory. "The stress manifests itself in an elevated body temperature—particularly in the nonfit or elderly. This rise occurs because there is not enough active sweating to lower the temperature, resulting in severely increased stress on the cardiovascular system; those who suffer from heart or respiratory problems, infants and the elderly, or people whose circulations have little margin left, are especially vulnerable. During such heat waves, the death rate will frequently double, particularly in cities, which always become much hotter than the surrounding countryside."

It is surprising, when one reflects on these comments, how little most people know about how their body temperature works. That ignorance inspired me to raise several fundamental questions with Dr. Stolwijk, in hopes that we may keep a little cooler this summer!

How do our bodies stay cool?

The body relies on the *evaporation of sweat* for the cooling required during a hot period. The amount of sweating is proportional to the rise in body temperature that takes place. This rise in body temperature also causes more blood to flow from the interior to

the skin. The blood carries with it the internally produced metabolic heat. Increased skin-blood flow causes pooling of blood in the extremities—we need a larger shoe size in the heat. Peripherally pooled blood does not return to the heart, so the circulation becomes starved for blood, causing problems for those susceptible to heart disease. A poor sweating response can thus lead to more cardiovascular stress during a heat wave.

"Discomfort in the heat comes largely from wet skin and sweating. Men in general sweat earlier and more effectively than women—so men often find heat more uncomfortable than women do. On the other hand, because women sweat less they tend to put a higher load on their cardiovascular system. This is encouraged, too, by women's belief that sweating is unattractive and to be avoided."

Dr. Stolwijk believes that we should sweat more in hot weather than we generally do, to stay healthy. "Physical fitness and exercise can help you sweat," he says. "It's almost as if sweat glands can be trained. If they get used, they function much better in a crisis."

Why do some people like heat better than others?

"Men in general complain less about being cold in a cold environment than women. Yet men's body temperatures drop more rapidly in cool environments than women's. The reason for this is that women cut down on their skin blood flow in such circumstances, letting their hands, feet, and arms cool down, saving the heat they produce largely for the trunk. Thus women experience cold hands and feet, and this tends to make them complain in the cold more than men. What men do is let their warm blood out of their trunk and down into their extremities; thus they feel less uncomfortable. These are both questions of circulation.

"In the heat, as we have seen, men sweat earlier and more profusely, and thus feel more uncom-

Continued on page 28

Picture a small, lovely easy garden as personal as your fingerprint. This summer it can be a reality.

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For the first time in book form, and just in time for the '76 gardening season! HOUSE & GARDEN's 26 Easy Little Gardens is a gem of a collection of some of the very best small garden designs in America—and in the world today.

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The ingenuity of some of the gardens (and gardeners) in *Easy Little Gardens* is amazing. Sunflowers and organic salad greens by a swimming pool . . . mountain rock plants on a Manhattan breeze-way . . . Japanese serenity next to a pulsing California highway . . . a bumper crop of vegetables from indoor-outdoor carpeting.

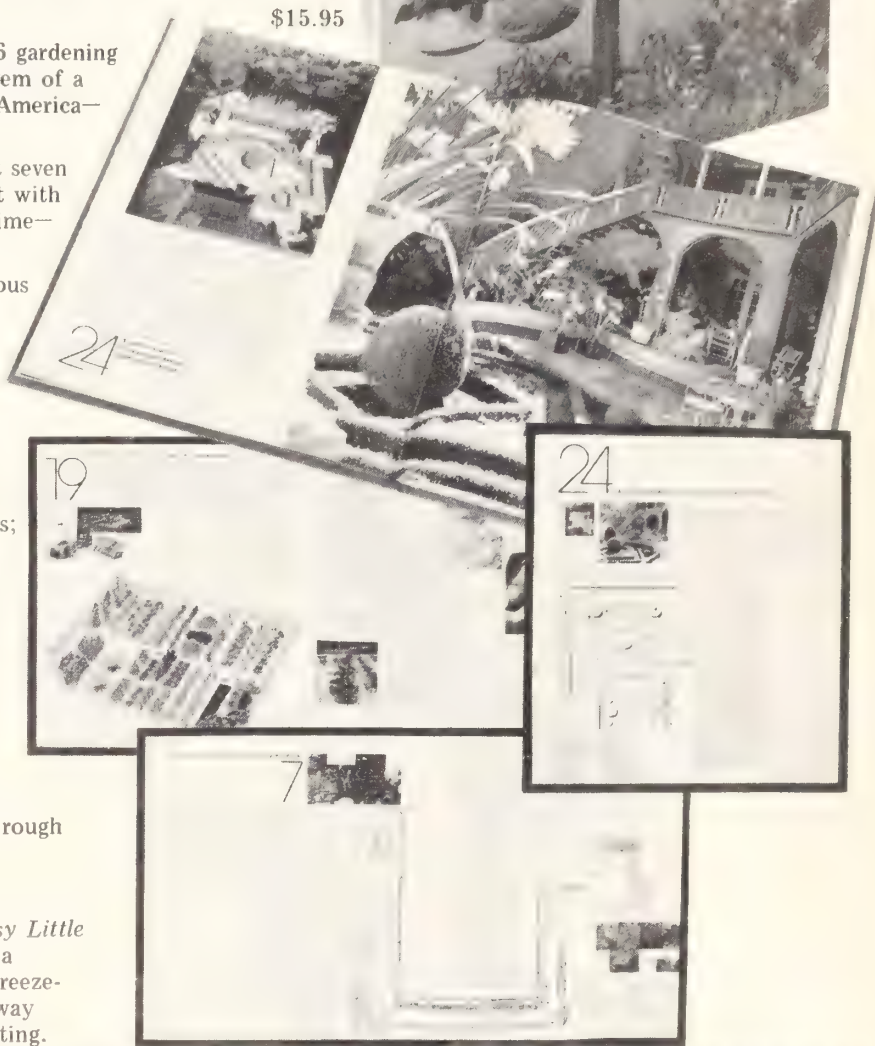
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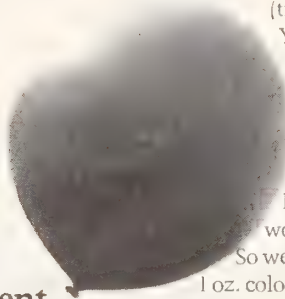
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**If you keep physically fit and exercise,
your sweat glands will be in training
for a heat wave. If they get used,
they function better in a crisis**

How to beat the heat

continued from page 26

fortable in hot weather than women. But regardless of the discomfort, in a heat wave the more you sweat, the healthier you will be."

Why is humidity more uncomfortable than dry heat?

"As the humidity outside the skin increases, it becomes more difficult to evaporate sweat. Since wet skin is the most important factor in determining discomfort, humidity is clearly a significant offender. In a dry environment, such as the desert, the sweat evaporates more easily."

Dr. Stolwijk thinks there is some confusion about "relative humidity." "Relative humidity is fine for weather forecasts since it relates to the chances of rain. But it has very little to do with the moisture in the air or on your skin. You can have a relative humidity of 100 percent in a temperature of 85 degrees Fahrenheit and it will be almost impossible to evaporate any sweat. On the other hand, 100 percent relative humidity at a temperature of 60 degrees will not interfere with evaporation of your sweat, because the temperature of your skin is 95 degrees. As another extreme, you can have 100 percent relative humidity in a temperature of zero degrees, as happens in winter, and your skin will dry out and chap; drying would be the same as in less than 10 percent relative humidity at 70 degrees. This is because the vapor pressure of water at around freezing point is only one-tenth of the vapor pressure of wet skin."

What indoor temperature is best for us?

"The accepted indoor temperature in the U.S. has been going up from about 68 degrees in the thirties to about 75 degrees today in most environments. This is because people prefer to wear less clothing, the advantage being that you can accept a somewhat wider range of activities without becoming uncomfortably hot. For instance, if you wore enough clothing to be comfortable at a temperature of 65 degrees, and then ran up a few flights of stairs, you would start sweating and feeling too hot.

(Though the lower temperature would save fuel!)

"The cultural trend is to wear fewer and lighter layers of clothing, and to try to keep the same standard not only throughout the day but also throughout the year. That is why you may need to carry a sweater in summer in an air-conditioned building.

"Air conditioning in office buildings tends to get set for the male occupants, who generally prefer lower temperatures (a) because they sweat more, and (b) because they have fewer layers of clothing to take off than women—a cultural condition. We did a study recently of a federal office building in New York. There is a regulation for such buildings that the temperature be kept at 68 degrees in winter and 78 degrees in summer. We discovered that the building was cooler in the summer than in the winter!"

By the way, Dr. Stolwijk says not to worry about staying in very cool environments as such. He did a study exposing volunteers to cold during the summer, and found that nobody caught a cold.

How can we beat a heat wave?

1. **Stay out of the sun as much as possible.** Do as the Mediterraneans do. Work early in the morning and later in the afternoon, with a siesta for the hottest part of the day.
2. **Wear loose-fitting, loosely woven, absorbent clothing.** If you don't, you create a microclimate between the fabric and your skin that becomes humid, preventing evaporation of sweat and thus inhibiting your cooling system. Your skin also becomes wet and uncomfortable. Arabs wear long flowing robes that create a cooling microclimate next to the skin.
3. **Keep physically fit and exercise,** so that your sweat glands are in training for a heat wave.
4. **If you have no air conditioning, fans are excellent** for cooling you down. Increasing the air motion is both more comfortable and physiologically beneficial—not because fans lower the air temperature, but because they help your sweat evaporate and thus keep your physiological cooling system working efficiently.

For new beauty products in the stores, turn to page 106.



Overdone by the sun?

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Home improvement ideas

For the house fixer

Trellis trim, instant pipe enclosure, and anti-vandal windows

A NEW LEASE ON LIFE FOR OUTDOOR FURNITURE

By Deanne Raffel

Time, the elements, and wear do take their toll on outdoor furniture—steel and wrought iron rust, wood splits, aluminum oxidizes, plastic breaks, and so on . . . and on. With a little effort you can make that furniture look quite presentable again, and it will give many more years of service. Here are some of the basic steps.

Take broken pieces of steel or wrought iron to an auto-body shop to be welded together.

Check all fasteners—some will need to be tightened and others replaced. Place a screwdriver in the screw slot and a pliers or wrench over the nut and try to tighten them. If the joint is frozen, give it a squirt of penetrating oil to help loosen it. If it still will not budge, use a hacksaw blade to separate the screw and nut. Purchase the identical fastener and install it tightly in its place.

With the years, paint on your steel or wrought-iron table, chairs, or swing will have blistered and popped off, leaving large rusty areas that must be removed before repainting. Use a wire brush and silicone carbide sandpaper to rub rust off. Also, lightly sand entire piece of furniture (an etched surface will help give paint better adhesion), wash, and immediately wipe all areas dry to prevent further rusting. Cover the metal with a coat of rust-resistant metal prim-

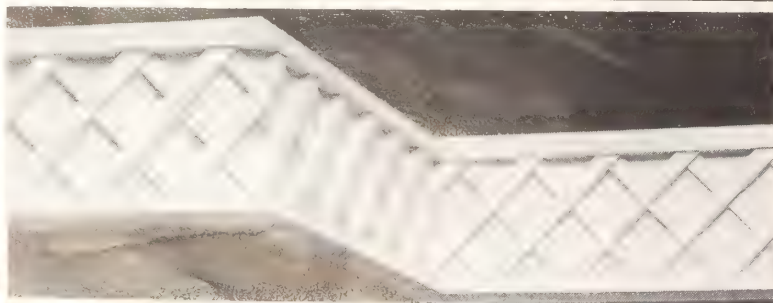
er and a second coat of paint, preferably a polyurethane. I use Flecto's Verathane colors in plastic.

Metal parts that move require lubricating at joints. Wait until adjacent areas are painted or paint will not coat properly. A light spray of silicone film will lubricate and waterproof.

Unfinished exterior furniture, such as redwood, that has not previously been treated with some type of surface coating will be dirty, cracked, mold- and mildew-ridden. Scrub it well, using a strong solution of heavy-duty all-purpose cleaner and laundry bleach, working with the grain, then flush thoroughly with water. Let it dry, fill large imperfections with plastic wood-filler, and sand the entire piece smooth. Cover the surface with two coats of plastic (transparent or colored) paint, oil-penetrating exterior stain, or transparent wood preservative. Currently available colors, in both paint and stain, can give it a real boost.

Previously treated wood needs to be managed as above; however, preservative cannot be applied over another finish (paint, stain, varnish, etc.).

To spruce up the aluminum frame on lightweight furniture, dip steel wool in kerosene, rub the metal until it looks satiny and wipe clean with a soft cloth. Buy new webbing to renew seat and back.

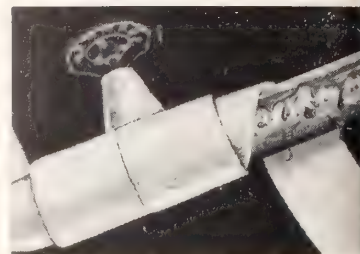


Trellis touches

Molded from a plaster or wood original, this trellis-design trim has the texture and scale of traditional ornament. Five inches high, 1 1/16-inch thick, #150 is white primed polymer in lightweight, single 10-foot lengths. It is easily han-

dled, cut, nailed, drilled, and sanded. Topped by a crown molding, it makes a handsome ceiling cornice or can be used alone to frame windows, or serve as a chair rail or dado cap. \$2.45 a foot for orders under 100 feet; \$2.20 a foot for 100 to 500 feet; \$2 a foot for 500 feet or more. F.O.B. Focal Point, Inc., 3760 Lower Roswell Rd., Marietta, Ga. 30060.

Getting rid of a drip



Water drips from cold-water pipe in the basement when warm air strikes them and condenses; hot water pipes lose their warmth when exposed to cool cellar air. Both these problems can be solved by applying insulating tape. Wound spirally around any size pipe, valve, fitting, or tee, the white, self-adhering, moisture-proof tape forms a snug wrapping. Available at hardware stores, heating and plumbing sources in 1/8-inch, 2-inch-wide, 30-foot-long rolls, the Drip Tape has a suggested retail price of approximately \$4. B. Mortell Co., 550 Hobbie Ave. Kankakee, Ill. 60901.

Burglar baffler



For protection against easily broken glass door panes—the kind a thief can smash, then reach in and open the door lock—here is a Plexiglas Vandal Panel. Mounted on the inside face of a door frame, on cellar and garage windows, the impact-resistant acrylic plastic panel deters forced entry. Transparent and easily cleaned, it is 30 by 40 inches .220 of an inch thick, 15 times stronger than glass. Rohm and Haas's Vandal Panel kit comes with twelve #8 screws, twelve finish washers, a drill bit, and two sheets of sandpaper. Suggested retail price, \$29.95 at hardware and home center stores and Plexiglas distributors.

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House & Garden, July 1976





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The eye of Thomas Jefferson

An exhibition at the National Gallery in Washington, D. C. illustrating the design skills of our third President

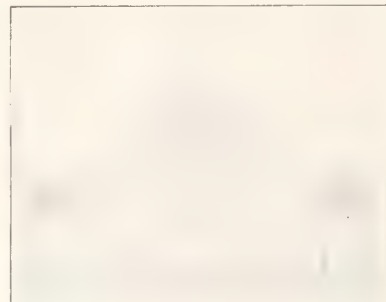
"Of all the Founding Fathers, with their remarkable talents, learning, and accomplishments, Thomas Jefferson stands alone in his life-long commitment to the arts. Not only did he leave the nation a legacy of achievements in architecture and design, but more importantly, his record as a uniquely creative man is unmatched in the history of the Republic."

So W. Howard Adams, program director for the National Gallery of Art in Washington, D.C., introduces the largest exhibition ever assembled for the Gallery. Entitled *The Eye of Thomas Jefferson*, the exhibition opened early in June this year, and will run through September 6. It recreates the visual world that Jefferson saw and loved—and it documents the amazing contribution he made to it.

His tastes and interests helped shape America's

This creativity is all the more amazing when we remember that Jefferson was educated as a lawyer, not as an artist or an architect. But his father, a surveyor and well-to-do landowner, insisted that his son have the classical education—languages, history, philosophy—proper for a young squire at that time. He grew up in a cultured background, evoked for the exhibition by portraits of the children of Virginia Colonists and of some of Virginia's Royal Governors, by a selection of Colonial musical instruments (and throughout June, by concerts of music associated with Jefferson), and by examples of the decorative arts a Tidewater boy would have recognized.

His father also trained him how to cope with the demanding tasks of a pioneer plant owner, but Jefferson never became a master farmer. It took too much time. He had a country to help put together, a culture to encourage, intellectual interests to explore—and, besides, it seems as if he personally wanted to improve the looks of almost everything his eye fell upon from garden fences



JEFFERSON'S original competition drawing for *The President's House*

to Capitol domes. These urges produced a tremendous body of work. That work, and the work that influenced him or that defines the atmosphere he moved through, takes up the entire 25,000 square feet of the National Gallery's main floor. Some of it—a huge collection of Jefferson's drawings, for instance—has been gathered together in one place for the first time.

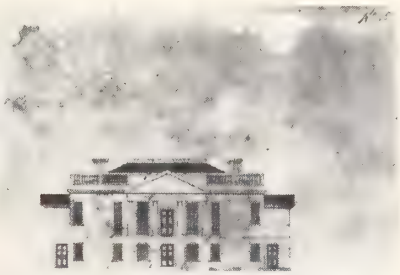
The designs for Monticello are there, and those for the University of Virginia. So are models of Poplar Forest, the retreat Jefferson built for himself during his second term as President, and full-scale reconstructions from some of his designs—one a garden "temple of love" that, for the exhibition, will house the *Venus de Medici*, on loan from the Galleria degli Uffizi in Florence. It is the first time the lady has left Italy since Napoleon kidnapped her. (Jefferson's request to have her copied for Monticello was denied.)

He loved flowers, was most knowledgeable about them, and could lay out gardens that are fragrant still lifes. The West Garden Court of the National Gallery has become a Jeffersonian botanical garden, where specimens of his favorite plants are growing—American varieties he collected or had collected (one, a May apple-like plant named *Jeffersonia diphyllum*—"not very beautiful, but . . . curious"—named for him to honor his knowledge of natural history, is represented by an engraving), and many European varieties sent to him by friends. Among the living leaves will be drawings and plates of botanical and natural history subjects, portraits of von Humboldt and Lin-

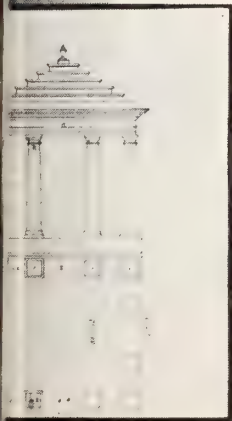
Continued on page 139

"Thomas Jefferson's record as a uniquely creative man is unmatched in the history of the Republic"

By Kenneth Bates



GARDEN FRONT, *Poplar Forest*



DESIGN for garden temple. INFLUENCE: the *Maison Carrée* in Nîmes



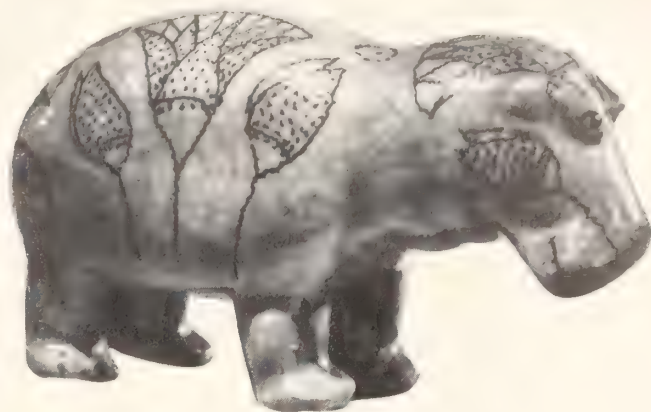
MODEL, built for exhibition, of *Poplar Forest* designed by Jefferson



ORIGINAL Roman bronze askos



COPY in silver made for Jefferson



...the ideal way to buy your presents from The Metropolitan Museum

Every three months—four times a year—the Museum will announce by mail remarkable new replicas—exact copies of Museum originals: sculpture, decorative objects, tableware, and ornaments.

The variety will be extraordinary: ancient jewelry in gold and silver; Oriental and European porcelain; early American glass in crystal and rare colors; bronze from Egypt, Greece, China, and the medieval world; silver, pewter, brass, and pottery from Colonial America.

These copies, often produced by the same techniques used for the originals, are made by artist-craftsmen working under the Museum's direct supervision. The care taken in production frequently limits the quantity, and the majority of replicas can be bought only by mail or at the Museum. (Above: Hippopotamus, brilliant blue faience decorated with lotus flowers. Length 8", \$19.75 plus \$1.25 shipping.)

To receive all of the advance announcements to be issued during the next year, send the coupon below with one dollar to cover mailing.

On September 1, you will receive the first of these, the 116-page Christmas Catalogue. A brilliant array of new presents includes jewelry with scarabs of lapis lazuli and rock crystal; a medieval ivory hand mirror; early American flowerpots; 19th-century glass in emerald, canary yellow and peacock blue; a silver brandy warmer and cordial tumblers; a rare French coffee cup; a quiche dish; art nouveau placemats; stars, snowflakes, hearts, bells and a treetop ornament in gold and silver; a silk scarf with Chinese butterflies and another with flowers from a Persian garden; a collection of Museum needlework patterns and a new cookbook, *To the Queen's Taste*. In addition, there is an unparalleled selection of Christmas cards.

THE METROPOLITAN MUSEUM OF ART

255 Gracie Station, New York 10028

ICG6

Please send me all advance announcements and catalogues of replicas to be issued by the Museum during the next 12 months. One dollar to cover mailing costs is enclosed.

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ADDRESS _____

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Galliano and Soda. It's *amore* at first sip.



You'll love what happens to the golden taste of Galliano, when you add the sparkle of Club Soda.

1 1/2 oz. Liqueure Galliano® over ice
Fill with Canada Dry Club Soda®.
Drop in a wedge of lime.

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What is the real American

american know-how is safety pins, the automobile, fast foods, the pacemaker, computers, the self-cleaning oven, blue jeans, the long-playing record, dentures, the sewing machine, a man on the moon.

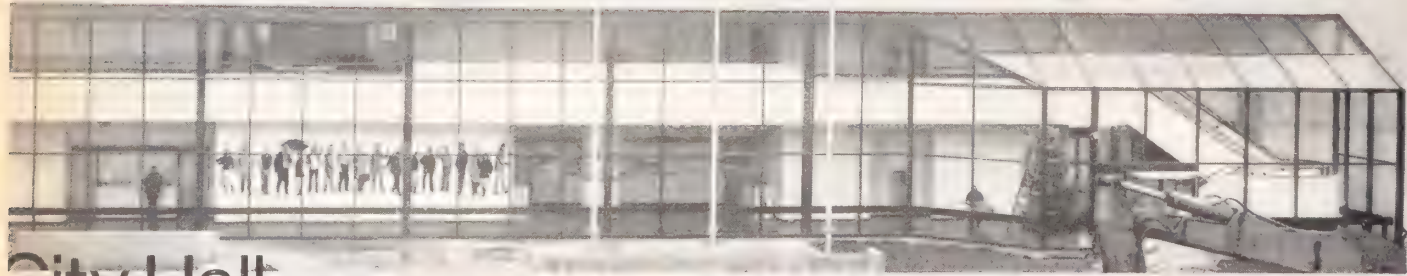
But that's not why we're celebrating it

American know-how has forged a remarkable social structure that has worked for 200 years—a society in which all members can hope for the same well-being. The machinery may falter from time to time, as each age brings its own challenges. But when faced with new problems or specific abuses, it is the Americans' uniquely commonsense approach to solving them that gives us hope for the future.

Isn't that worth celebrating?

KNOW-HOW?

City Hall



Mayor and wife



Dress shop owner



Children



Mace bearer



Hotel manager, beverage manager



Santa Claus



Aldermen



Grocers



Architect



Fireman



Policewomen



Salvation Army major and wife



Children



Bride and groom



Jogger



City councilmen



Artist



Barber, hair stylist



Man, friend



Collector



Company vice-president



Headwaiter, chef



Town boosters



Choristers



Photographers



Retired justice



Teen-agers



City judge



Museum director, cultural leaders



Costume Glass Center



Counterculture couple



Lions, Rotary, Kiwanis clubmen



Garbage collector



Teacher
Restaurant owners
Physicians
Symphony members
Fire chief and fireman



Community relations man
County sheriff, state trooper
Reporter
Radio announcers
Clubwomen



Historian, librarian
Department store owner
Civil servants
Members, founding family Corning Glass



Parking lot attendant
Director, hospital volunteers and volunteer
Bicentennial organizer
Family
Mailman



Restoration
Boy scouts
Children
Dance teacher, student
Company president

The People Wall

...June, 1976: Community Action: 350 townspeople pose for giant photographic People Wall in city hall, Corning, New York...

The news in Corning, N.Y. is that art can bring levity—and even a touch of irreverence—to the prosaic business of city government. There are always at least 350 people in the lobby of city hall, all of them citizens, all active participants in their community—and all photographs! They're part of People Wall, an exciting new super-photographic mural by Elliott Erwit that stretches the height and length of the lobby and shows proudly through its greenhouse-glass front. People chosen by a committee headed by Mayor Joseph Nasser came dressed for their special interests, or carrying the tools of their trades. **Opposite page:** City-hall building of glass and limestone by architects RTKL of Baltimore. Graphic designer Norman Gorbaty arranged figures; Erwit's photographs were translated onto canvas by Miller Johnson of Gisen Corporation, Los Angeles, using the Scanachrome computer spray technique. Fabric was treated with a preservative, applied like wallpaper. Funding for the whole project came from the Corning Glassworks Foundation.



Tailwagger



Mrs. Lyndon Johnson works to help preserve country flowers, small towns





...July, 1976:
Wild flowers
celebrated:
38 states
develop save-
the-wild
flowers projects

All across the nation, small-town life, regional architecture, and native plants of field and roadside are being rediscovered and appreciated, in part because of the sense of self-discovery the Bicentennial has stirred, in part a turning from the urban crush so many Americans live in today.

Lady Bird Johnson took a holiday in the heart of Texas last spring. She wanted to visit "can-do people," who like so many others are proud of their local heritage and are doing something about it. She listened carefully as they told her what they are doing to help keep their little towns alive, to preserve early houses and commercial buildings, to protect or restore the beauty of the countryside. Her mid-April trip was a particular treat because, as she puts it, "the wild flowers along the highways of Texas are the biggest garden in the world. As more and more fields give way to needed housing, agriculture, and grazing, highway right-of-ways have become the last citadel for many wild flowers." In Texas, California, Oklahoma, Louisiana, Georgia, Tennessee, Nebraska, South Dakota, Minnesota, Iowa, Pennsylvania, Maryland, and other states, there are local highway wild flower programs, some of which she inspired when she suggested the Highway Beautification Act, signed by President Johnson in 1965. One idea that she has helped spread is simple and low-cost: Postpone the mowing of roadsides until wild flowers have set seed. After mowing or scything, scatter the flowery hay on bare spots where they will drop more seed.

"During our Bicentennial," Mrs. Johnson says, "I hope that everyone can take a back-home or close-to-home trip, to look with seeing eyes at one's own little part of America. Local houses, roadsides, and main streets can tell us so much about ourselves, where we came from, where we're going. Many of the people who came before us did a good job with the land. We can learn from them and make our own contribution.

"We have to remember that pretty soon, 'late' is 'early.' Our grandchildren will know local plants and periods of local history that we take for granted only if we make an effort. If we keep our roads and towns attractive, people will stop and eat, stop and buy, stop and stay, and small towns and country flowers will stay alive and thrive."

Opposite page: A field of bluebonnets and Indian paintbrush. Below it, Mrs. Johnson with more bluebonnets. Above left: White prickly poppies that star the fields in central Texas in spring. Below left: Mrs. Johnson and friends on a strip of highway. More, pages 138 and 144.

ad early buildings, to protect the beauty of America



...May, 1976:

Mount Vernon

Illuminated:

French President
Giscard d'Estaing

lights up

new Sound and
Light Spectacular

...permanent gift to
the United States
from the people of France...
shown every evening at 9,
May 28 through September 6...

The narrator begins: "Listen. And imagine. Mount Vernon is more than just an estate: Washington's whole life is laid out here, as though on a surveyor's map. This man, summoned to glory and hailed the world over, never forgets his woodland acres, his pastures and ploughed fields, the welfare of his workmen and servants. And if duty calls him first to the battlefields, then to political office, his thoughts will never leave Mount Vernon."

At the time Washington acquired it in 1754, Mt. Vernon was a modest little dormered house, the core of an almost endless project of improving and enlarging. Little deterred by the fact that he was off fighting the French and Indian War, he wrote explicit letters planning rooms, even ordering supplies like "100 Sqrs. of best Crown Glass 9 by 11," and "25 Lbs. best Glew ½ a Ton of unprep'd. Plait'r of Paris . . ." House fixers today will appreciate his feelings during the long remodeling: "I have scarcely a room to sit in . . . without the music of hammers or the odoriferous scent of paint." But he had a great sense of style and suitability, and enthusiasm for detail—down to the color (black) of the beak of the bird that perched on the weather vane. He raised the house by a story and graced the rooms with handsomely carved woodwork and interior detail (some of it worked on at such length that his estate manager complained: "The stucco man is at work upon the dining room. God knows when he will get done.") Martha Dandridge Custis, who married Washington in 1759, added her touch to gardens and dependencies. In 1787, the black-beaked bird was installed atop the cupola: The house was finished.

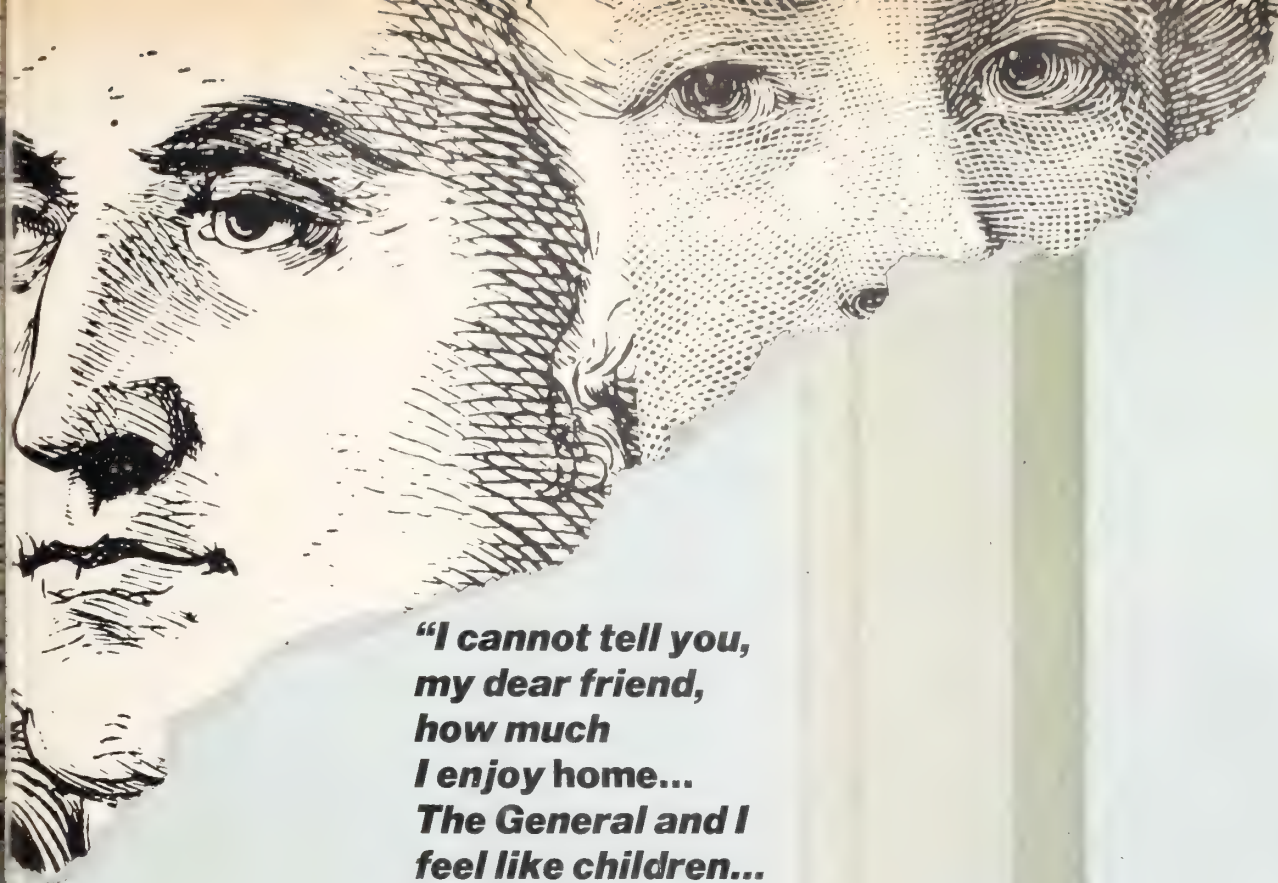
The restoration of Mt. Vernon was begun in 1858 by the Mount Vernon Ladies' Association, America's first official restoration group, which continues today to maintain and manage the estate. Mt. Vernon hosts more than a million visitors each year—second only to the White House. Open from 9 A.M. to 5 P.M. daily (October 1 to March 1, 9 A.M. to 4 P.M.).

The high-columned piazza, opposite page, runs the length of the East Canal overlooking the Potomac. Right, West Wing, as it has looked since 1787.

The Meritages

The





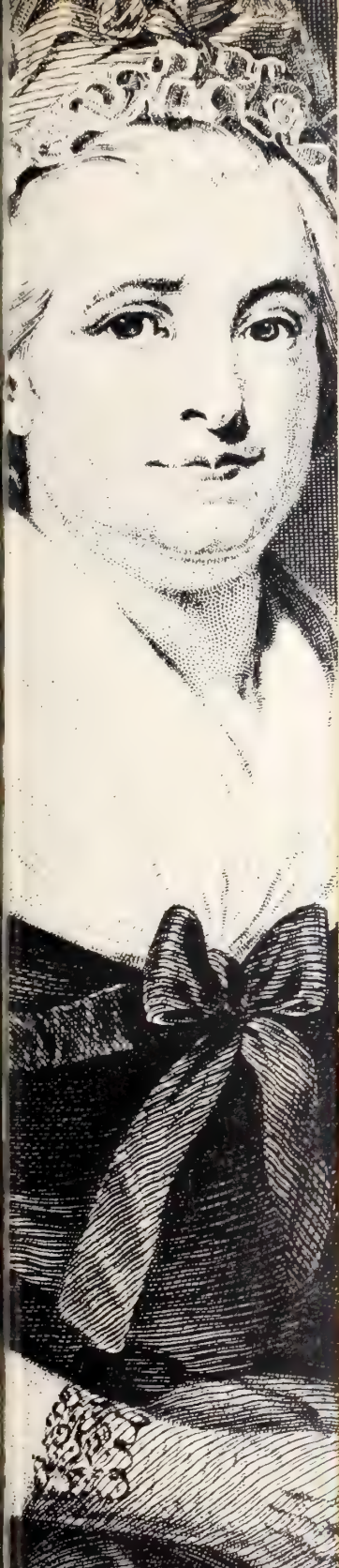
***"I cannot tell you,
my dear friend,
how much
I enjoy home...
The General and I
feel like children...
and we believe
that nothing
can tempt us
to leave the sacred
roof-tree again..."***

Martha Washington





The Washingtons were well-known for their hospitality. As is shown in the famous "Faint" letter, they were not only in the capital but also in the country. Mrs. Washington and her staff did not wear the elaborate dresses of the day. They were dressed in simple, practical clothing. The dining room at Mount Vernon was a place where the Washingtons entertained their guests. The room was decorated with a red tablecloth and silverware. The Washingtons were well-known for their hospitality. As is shown in the famous "Faint" letter, they were not only in the capital but also in the country. Mrs. Washington and her staff did not wear the elaborate dresses of the day. They were dressed in simple, practical clothing. The dining room at Mount Vernon was a place where the Washingtons entertained their guests. The room was decorated with a red tablecloth and silverware.

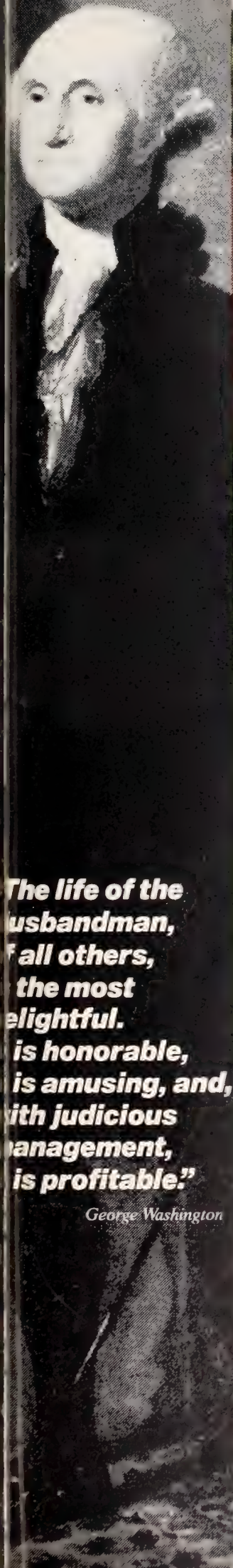


Be not angry
at table
whatever happens,
if you have
reason to be,
how it not.
Put on a cheerful
countenance
specially if
there be strangers,
or good humor
makes one dish of
meat a feast.

From the Kitchen



In their personal life, the Washingtons cherished privacy and simplicity. Mrs. Washington's widow's collection with its own Mount Vernon on a high, but in the middle of the day, and a very fine which can be used as a private study of character. The national... appeared a... after... the... from... the... States... by Robert... bed, one of the... trunks. Let's... containing Martha...



**The life of the
husbandman,
of all others,
is the most
delightful.
It is honorable,
it is amusing, and,
with judicious
management,
it is profitable."**

George Washington

The greenhouse (called an orangerie in Washington's time), was described by a friend as "a vast, a great source of pleasure. Plants from every part of the world seem to flourish in the neatly furnished apartment." It was heated by ducts from a fireplace in the next room. Still growing there is Washington's famous sago palm tree.



Espalier apple tree in the kitchen garden.



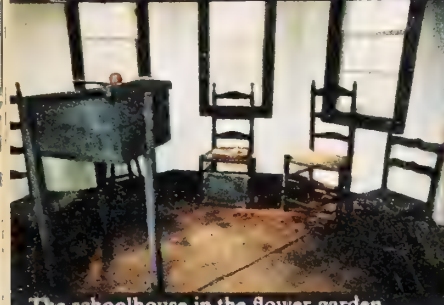
Rug made by the Neville sisters, 1764.



Washington's study, built in 1775.



Martha's trunk, with her at Army Headquarters.



The schoolhouse in the flower garden.



The ha-ha, a barrier between lawns and farm.



Windsor chair in their bedroom.



Mantel in the banquet hall, a gift.



The banquet hall, built during the war.



Joseph Wright's bas-relief of Washington.



The cupola, surmounted by a dove of peace.



The Potomac seen through the colonnade.



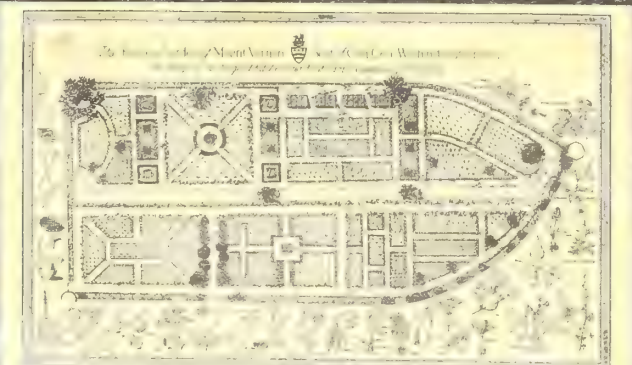
Martha's needlepoint and bed canopy net.



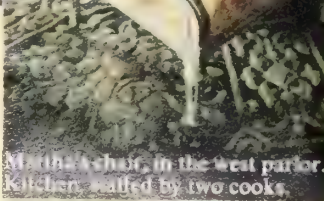
Martha's chair, in the west parlor.



First of its kind, Washington's airy columned piazza.



Aryand Jung's plan of walled kitchen garden—fruits, roots, pulses, and herbs. Gate to the flower garden. If built to the Washingtons, six coach horses.



Kitchen, walled by two cooks.



Sheffield candlestick. Kitchen well, Palladian style.



Curving pattern of flower beds near the schoolhouse.



Bastille key. Sewing basket, believed to be Martha's.

I am still determined to be cheerful and to be happy, in whatever situation I may be—for I have also learned from experience that the greater part of our happiness or misery depends upon our dispositions, and not upon our circumstances.
Martha Washington



Dimity curtains in Nelly Custis's bedroom. A game of Morris.



Banquet hall's Palladian window.



A room in the west "Quarters."



Martha's satin wedding slippers.



The west parlor, dating from first remodeling.



Britches.



Elegant hexagonal "necessary."



Linen closet on the third floor.



"Blew and white China" in "the Closet under Franks direction."



Bedchamber of the Marquis de Lafayette.



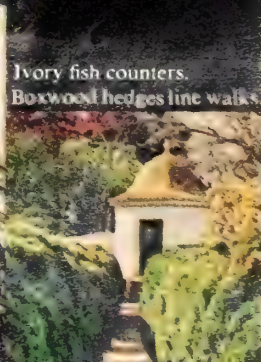
Ivory fish counters.



Coachhouse, with Samuel Powell's coach.



The storehouse, jammed with artifacts: A wheel of spinning wheels, Washington's dressing-shaving table, Washington's telescope, ordered from Whitford of London.



Boxwood hedges line walk.



Breakthrough

American Know-How 1970



Outer-space business—in 18th-century court dress!

Hello, this is John Adams

What have we here? John Adams on the telephone? Well, why not? "The Business I have upon my Mind is as great and important as can be intrusted to [one] Man, and the Difficulty and Intricacy of it is prodigious," he wrote from the Continental Congress in 1775. If he had a few contemporary gadgets to speed up communication, in fact we might have had to celebrate the Bicentennial last year. He would have understood these gadgets. The tinkering that ends in technol

W



Adams here. General Washington... is that you?

TECHNOLOGY AND THE HUMAN ADVENTURE

By Samuel Florman

Editor's note: Looking back over two centuries of the American passion for making things easier, cheaper, faster, Samuel Florman points out that there is more to know-how than the invention of gadgets, however wondrous. An engineer and author of the highly praised *The Existential Pleasures of Engineering*, recently published by St. Martin's Press, Mr. Florman finds reason for optimism in American common sense and "that spirit of resolute confidence, which has served us so well in the past, and can serve us still."

What a dazzling cornucopia of inventions Americans have had to enjoy! Ocean liners and automobiles, telephones and phonographs, sewing machines and typewriters, cameras and electric lights—a list running into the hundreds.

At the Centennial Exhibition in 1876 in Philadelphia, millions of excited visitors crowded into the glass and iron Machine Hall to gape at the new mechanical marvels powered by the gargantuan Corliss steam engine. When the Union Pacific and the Central Pacific railways were joined at Promontory in 1869, all over America bells were rung, cannons were fired, and bonfires were lit. To the average American of the time, each technological development represented a communal triumph worthy of celebration.

Today we look back on that enthusiasm for technology with bittersweet incredulity. Even as we enjoy the comforts our technical genius has brought us, we seem to be increasingly uneasy. There is a widespread fear that technology has become a monster and is threatening to destroy us.

Although this fear is founded in the very real complex of problems that we call the environmental crisis, it is made more intense by the belief that our situation is unprecedented. It should be reassuring, therefore, to note that lamentation over the adverse consequences of technology is not new. History shows us that each new technological advance has brought with it unanticipated difficulties. It also shows us that our good sense and ingenuity have so far been equal to the challenges posed by our inventiveness.

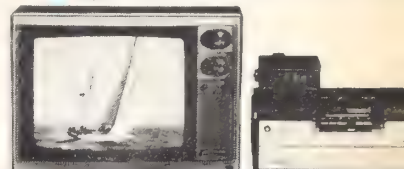
To choose just two examples from our nation's past: Even the modest technological achievements of 200 years ago were causing vexatious problems. Efficient sawmills, for example, provided well-cut lumber for practical and economical frame houses. As these houses were crowded close together in cities, and as the citizens sought comfort with cleverly conceived fireplaces, stoves, lamps, and warming pans, catastrophic fires became a matter of great concern. Benjamin Franklin's letters and articles contain repeated references to this problem, and numerous practical suggestions for dealing with it: architectural modifications to make houses more fireproof, the licensing and supervision of chimney sweeps, and the establishment of volunteer fire companies, well supplied and trained in the science of fire fighting. Franklin's invention of the lightning rod was another contribution toward safety from fire. This terrible scourge, which once wiped out entire cities in a matter of hours, today is confined to isolated occurrences.

ELLIOTT ERWITT

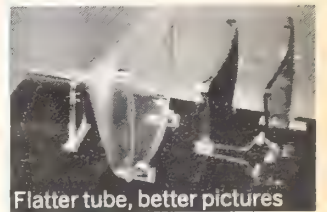
Inventions that extend our eyes, ears, and brains—may also change our future



Just-launched solar-powered communications satellite: 24,000 phone calls now; in the future, perhaps, similar satellites will beam sun's energy back to earth



Video recorder: record now, play later



Flatter tube, better pictures



Slide copier enlarges too



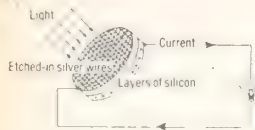
Telephone that dials for you

Breakthroughs in knowing: minicomputer is bright enough to handle a small town; a section could run a house. See page 52



and the impatient curiosity that urges instant communication are both long-established facets of the American character. And as for a car like that on the following page—it took John Adams three weeks to get from Boston to Philadelphia the first time, on a horse that trotted too hard the whole way. "Vapours avaunt," was all he could write about the trip. "I will do my Duty." George Grizzard, who was John Adams for the Public Broadcast Service's series *The Adams Chronicles*, recreates him here, too. Lucite office background by Charles Burke of Charles Burke Associates; Zenith television

Tools, teachers, toys — here are some of this century's bright ideas



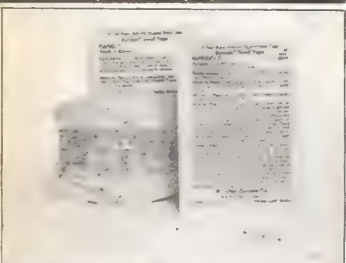
Sun power: sunlight hitting a solar cell makes electrons jump, generating electricity. A new source for Edison's light bulb



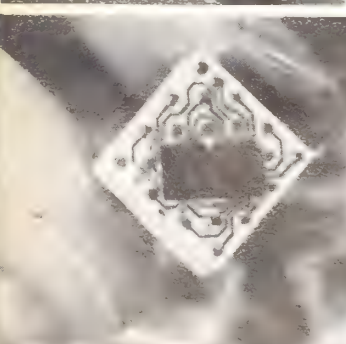
Movie discs: play a flick



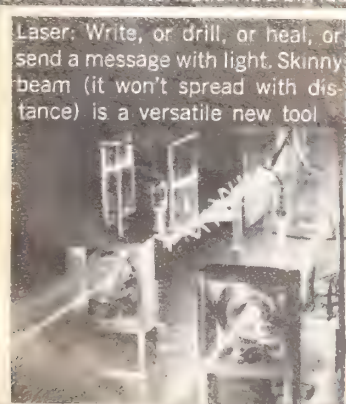
Cordless phone: carry a call



Seed tape: unroll a garden



Memory chip—pinch a brain cell? Computer component remembers hundreds of bits of information on demand. Miniaturization is a big idea



Laser: Write, or drill, or heal, or send a message with light. Skinny beam (it won't spread with distance) is a versatile new tool

TECHNOLOGY AND THE HUMAN ADVENTURE

continued

In New York City a century ago, kerosene lamp explosions took the lives of more than 100 people annually. Engineer Charles F. Chandler, advisor to the New York Board of Health, found that kerosene was only explosive when diluted with cheaper naphtha, and he led a successful fight to ban the dangerous substance. In the same period, sewer gas was backing up into living quarters through the newly fashionable indoor plumbing systems, making what was supposed to be a luxury into a nuisance and a health hazard. Chandler was instrumental in initiating plumbing codes, which eliminated the problem by requiring traps and venting fixtures.

Scarcely a single technological advance has not brought with it such unwanted and unexpected side effects. And, as a result of these, modifications of our political ideas, creation of new institutions, and an increase in our technical knowledge. The fact that we have forgotten the problems that plagued people in earlier times and take for granted the resolution and ingenuity that went into solving those problems makes us excessively gloomy about our own prospects. It is true that the danger to our environment is for the first time in history worldwide in scope. But we have more tools at our

“There is no reason for us to be self-satisfied; our problems are too serious. Nor is there reason for us to despair; our prospects are too bright”

disposal—both technical and political—than we ever had before. For this we can thank the Benjamin Franklins and Charles Chandlers who appear in each generation. The same imagination, skill, and tenacity that gets us into technological messes is available to get us through them.

Happily, we are learning to temper our enthusiasm with caution, or rather to expand our enthusiasm to encompass new concerns. Environmental engineering is a booming new field. Technology assessment is a multidisciplinary tool that seeks to foresee the consequences of new technical developments.

Technological progress is an essential element of that precious concept which we call civilization. By providing materials, media, and leisure, it contributes to the flowering of the arts. Through archaeological science it provides the means to rediscover and preserve treasure from the past. The wealth it produces makes possible the development of many alternate lifestyles, including, ironically, those that feature a rustic simplicity. Technology is an expression of humanity's most elemental impulses and most sublime aspirations.

Unfortunately, it is not possible to move forward without some element of danger. For one thing, we are not omniscient; we make mistakes. For another, we cannot afford to strive for absolute safety. If we invest most of our resources in making our mechanical systems absolutely foolproof—for example, putting double and triple backup equipment

can never have a power failure or an oil spill—

Continued on page 141





Ingenious art, yes. My children's children's work?



Things have obviously risen to dizzying heights

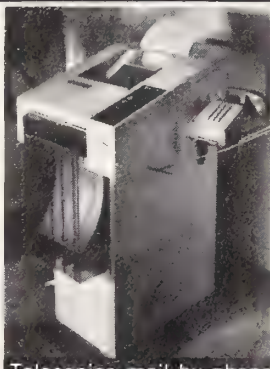


Ancestor descending staircase

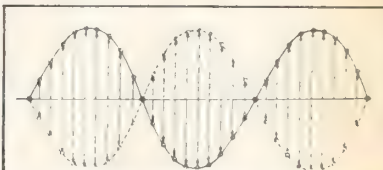
Waves of the future: If light won't do it, sound will



New camera: 8 mm sound movie camera records home talkies. Move over, Al Jolson



Telecopier: mail by phone



Sonic waves: One form of the force that soon will be used for everything from cleaning dishes to catching burglars. For information, see page 140

John Adams with wheels

Off to an exhibition in a 1976 Corvette. In this country he helped father, the arts are as flourishing as the sciences, and John Adams would have found them just as fascinating. "Yesterday Morning I took a Walk to see Mr. Peale's Painters Room . . . He has a Variety of Portraits—very well done . . . I wish I had Leisure, and Tranquility of Mind to amuse myself with these Elegant and ingenious Arts." At the Nicholas Wilder Gallery, above, paintings are by Frank Stella, Morris Louis, Ron Davis; sculpture is by Gwen Murrill. Architecture and escalation shown as practiced at the Pacific Design Center. Larry O'Daniel of Charles Burke Associates lent the car to George Grizzard, who practices his 20th-century art, acting, in Neil Simon's *California Suite* at the Ahmanson Theatre in the Music Center in Los Angeles. (A June opening is planned for New York.)

ELLIOTT ERWITT



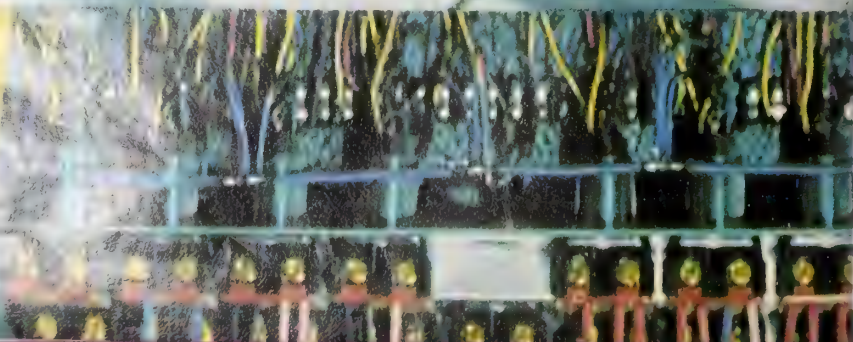
An Adams forte: basic construction



Breakthrough



A HOUSE
THAT THINKS FOR ITSELF





COMPUTER

WIZARDRY

ADAPTED

FOR LIVING

A house is a machine for living in," the late Swiss architect Le Corbusier once said, but he never imagined a house like this. An inventive design by Stanley Tigerman using industrial materials, modular construction systems, it also contains amazing devices adapted for residential use by young electronics wizard Robert Phillips. Most stunning: a central computer that can control:

All 200 ceiling lights in the house, in any combination, and with a choice of brightness levels.

All 17 telephones, which, through adjacent speakers, can convert to phone-to-phone intercoms or house-wide paging systems. Also digital read-outs for time and temperature.

The dishwasher. □ A snow-melting system under the driveway. □ The outdoor water supply.

Thermostats of the house's two heating systems (radiant heat in the floors plus forced warm air from ceiling diffusers), and heating of an indoor pool.

Television sets which can be remotely tuned. The house has several antennas, each designed for optimal reception on a single channel, the computer automatically connecting a set to the right antenna as channels change. Programs can be recorded, seen later; kitchen screen displays recipes.

Security devices: fire and burglar alarms, electric eyes that replace doorbells, closed-circuit TV that shows approaching visitors.

An automated laundry cart, now being built, and a second cart, being designed, to bring food and drinks from the kitchen.

The house's computer controls the automatic opening and rotation of the family's rooftop observatory, left, above, as well as roll-up garage doors of aluminum slats. Far left, the control center from which everything is programmed. Left, a strip of computer circuitry.

INDUSTRIAL MATERIALS, REMARKABLE LIVING SPACE

The house is built in many ways like a factory, taking advantage of current building technology to a degree very rare in residential building. It is the design of Chicago architects Stanley Tigerman and Associates, and it looks somewhat like a factory, too, but an ultra sleek factory, in a wooded setting overlooking a lake, and with elements—an observatory for the family hobby of astronomy, a heated indoor pool—not commonly found in either houses or factories. Typical construction has been forgone in favor of industrial materials and techniques. Exterior panels are either insulated glass or Alcoa's *Alply*, a core of urethane insulation sandwiched between aluminum facings inside and out. Tigerman's design, appropriate for its electronic fittings, is a neutral machine, with a minimum of fussy detail, depending even for its color on the mirroring of its surroundings.



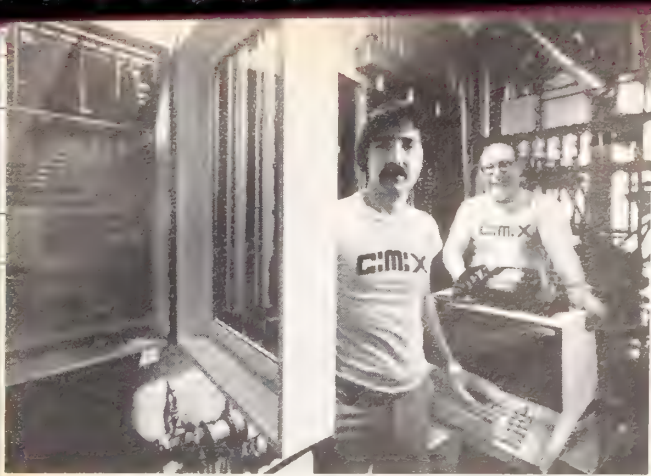
LONG SPANS, MODULAR CONSTRUCTION

Steel pipe columns support steel joists and the corrugated steel roof decking. This structure, unusual for a house, has unusual advantages: first, the security of thorough fire resistance; second, the opportunity for unobstructed floor area usually found only in commercial or industrial loft spaces. Interior partitions carry no loads, and the central area is a structurally uninterrupted space 35 feet wide and 100 feet long.



The exterior is totally reflective, changing color with the seasons and the weather (above, glowing soft pink at sunset). Right, the living room with a view of the pool enclosure beyond. Painting on left by Wardlaw, on right by Robert Slutzky. Lower right, one of 17 control panels.





A house that thinks *continued*

LONG-DISTANCE CONTROLS

The computer is commanded in a number of ways: by the flick of a wall switch, by pushbuttons, or by radio control from a hand-held transmitter which can be carried to any room, out into the garden, in the car—anywhere, in fact, up to 60 miles from the house. At greater distances, coded commands can be telephoned to the computer, directing it, for example, to heat the water in the pool, *far right*, by switching on the radiant heating in the pool walls and floor.

COMPUTEREASE MADE EASY

Pushbuttons on the house's 17 control panels and on the portable transmitters direct the computer by means of a 3-digit code. The computer is thus programmed for up to 999 different tasks, and the owners say that remembering the right number for each task isn't hard at all. The first button pushed, in each series of three, specifies a part of the house. (For example, the digit "2" could mean "dining room.") The second digit asks for a general condition. (A second "2" could mean "turn on ceiling lights.") The third digit of a series asks for a more specific condition. (Pressing "0" could mean "all ceiling lights"; pressing "4" could ask for the in-

dividual operation of the fourth light from the window.)

SURPRISING SAVINGS

Because computerized switching is done by means of relays requiring as little as 5 volts for each switching operation, the computer's operating cost is negligible. The owners say that so much mechanization actually helps them save. Because controls are always so close at hand, room lights are seldom left burning when not in use. Lighting levels, also, are kept no higher than needed: When the built-in lighting is switched on through the computer, it is at first switched on at a low-brightness level; for more light, buttons must be pressed again. In practice, low lighting levels are encouraged; less wattage used, bulbs last longer.

COMING: A LAUNDRY ROBOT

The system continues to be improved. Now being built is a laundry cart that will run around the house on command, offering clean linen or taking things to the laundry room. How? Before the concrete floor slab was poured, a pattern of wires was laid out below the slab. Motors on the cart will be guided by faint electrical impulses moving through the wires, rolling the cart.

SOON IT MAY TALK

Also planned for future addition is another method for sending orders to the computer: by human voice. Familiar words spoken in familiar ways could be matched by the computer against recorded information about pitch and vibration. Such recognition would trigger the order for an appropriate response. It may even be possible for the computer to talk back, by playing recorded messages through speakers at each control unit.

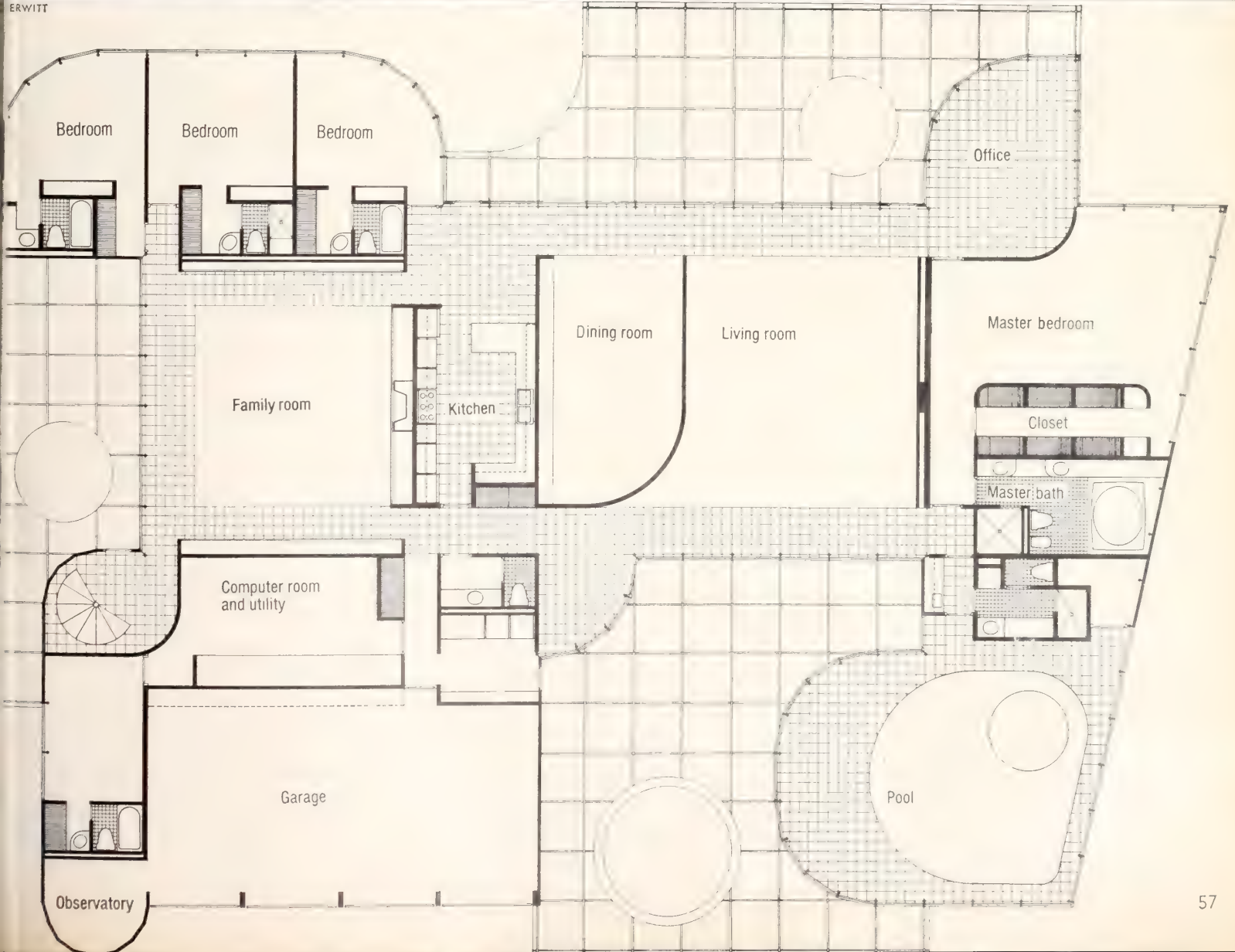
What effect does living in such a house have? In this case, the house's owner, described by architect Tigerman as "inherently inventive," has been so pleased with the equipment devised by Robert Phillips that he has joined Phillips in a new business venture, Gimix, Inc., in Chicago. With Phillips as president, Gimix is already producing telephone answering and paging devices, and plans soon to market the house's whole computer system.

The owner consults with young electronics expert Robert Phillips, above left, in the house's control room. Right top: a ceiling strip diffuser directs warm air against the glass; a steel pipe column replaces the usual wood post. Upper center: the breakfast, kitchen area, with a construction by Joseph Burlini on left. Lower center: curved glass wall, aluminum-faced cabinets in a bedroom. Bottom: In the study, stainless steel table, cabinetwork by Edmond Fernandez of Architectural Objects. See page 141 for building materials.





ERWITT



It's not just an apartment,

IT'S AN EXPERIMENT

In an ordinary building, an extraordinary apartment: The floor is a mirror, the curving ceiling a free-form of pure gold leaf. Designer Jay Steffy designed it for Tito del Amo using concrete and steel, stone and glass, to create a sculptured space for living

Breakthrough

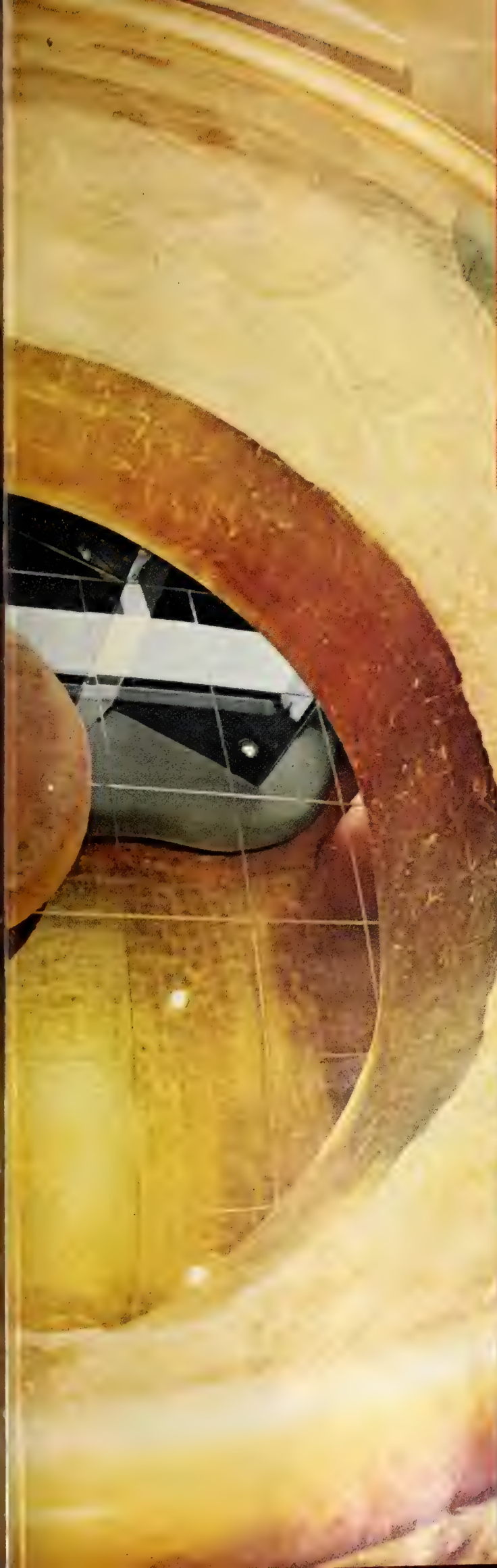


RIENCE



LIVING CHAMBER, where the only furniture is a heavy velvet lounging pad on a natural limestone centerpiece. In the fireplace, the dining table. Window wall is made of sheets of clear glass paneled against clear glass panels that open on triangular aluminum walls overlooking the mountains of the real world. Across the room, a painting by Hans Holmann, and carved gray shelves intended to be used instead as sculpture.





An experience continued

JAY STEFFY

**A SENSATION
OF TEXTURES:
ROUGH-HEWN,
BURNISHED,
VELVETY, SLICK**

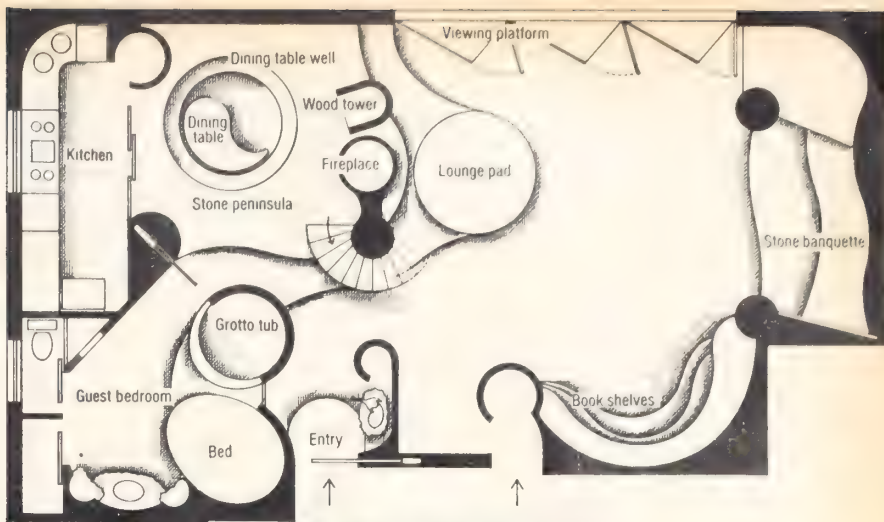
Step inside; a mirrored door closes behind you, vanishing in reflections. You hesitate, take bearings, before venturing into the looking-glass world. "Make no mistake: It's not a place for full-time living," says Mr. Steffy. "It's another reality, a meditative place, conceived as water, stone, texture, movement, and sculptured space. It's more architecture than dec-

oration. More art than architecture. There are no conventional terms that apply; it requires a whole new vocabulary." The amenities are all here: complete kitchen, voluptuous baths, places to eat, sleep, relax, work if you must. A fully controllable climate whose apparatus hides in columns, ceilings, and cloud-like forms above the zigzag windows (see preceding pages). "Beyond the necessities," says Mr. Steffy, "it's total imagination." A serpentine staircase, *left*, snakes up from the stone peninsula to a former roof terrace, now a private lair for bed and bath. *Below*: Guest grotto, with egg-shaped bed, fieldstone tub, shower that's a tropical waterfall.

ROTATING YIN-YANG—a dining table of black and white Belgian marble—rises out of its pit for pillow-sitting around the edge, lowers flush for eating in table-well. Sliding mirrored doors conceal the kitchen. Paintings by Ron Davis.







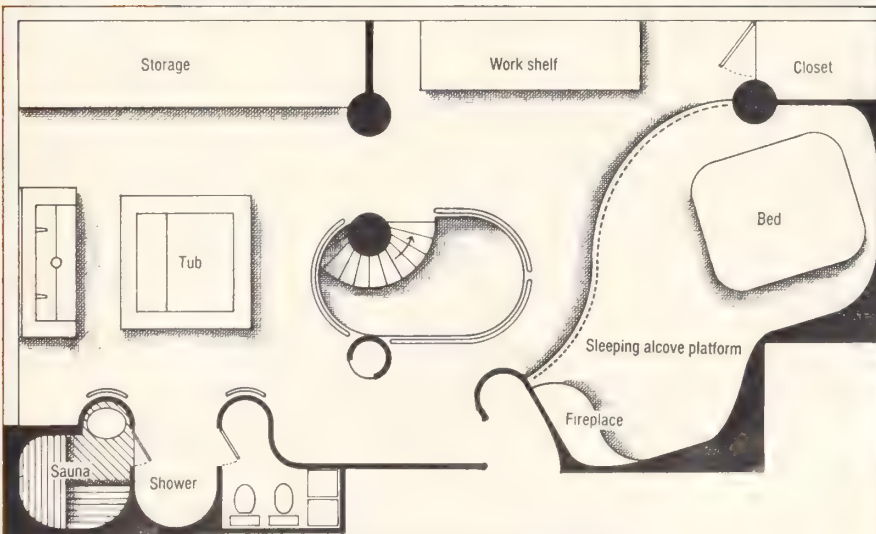
LOWER CHAMBER: half for living, half empty mirrored space



MARBLE TUB with hot-water pipe to hold towels



EIDERDOWN COVER for bed on carpeted platform



UPPER CHAMBER: storage concealed inside three red columns



GOLDEN STAIRCASE, sculpture to climb

An experience continued

AN ADVENTURE OF SPACE: STAIRWAY SCULPTURE, OPEN FIRE, TOWER OF WOOD

"It's an experience of sensations," says Mr. del Amo. "You walk on very soft carpeting, very rough stone, mirror that makes you feel you're walking on water—or in space. You climb around a column to get upstairs, bathe in a grotto or under the stars. The whole thing is a sensual trip." Structurally, however, it's brain and muscle: Staircase and columns are welded steel, braced,

plastered, carved, and gilded; funnel-shaped chimney is steel and cement. Those organic-looking columns perform specific functions: One near the entrance is a coat closet; near the fire, a tower of wood; the stair-core contains lighting controls for the entire space, plus frivolous green squares at your feet that wink on as you mount each step. Some columns broaden to become curving walls enclosing saunas, baths, closets. The shell of the room is molded cement; the ceiling carved plaster suspended in foot-square sections and lavished with gold. In bathrooms, hot-water pipes, exposed

and gilded, are used as racks to keep the towels warm. And the whole fantastic fusion of imagination and invention exists in an ordinary apartment building. "There's no way you can design a place like this on paper," says Mr. Steffy. "You approach it not as a room, but as art. You stand in the center and create it off the top of your head, with workmen who are really artisans crafting and shaping it on the spot. The result? A world of sensations—a dynamic equilibrium between mood and space."

FIRE HOOD, left, divides lounging area from dining well; beyond stairs, entrance threshold guarded by a solitary antique bronze elephant reflected in the front door. Stairs undulate through a cutout, directly above, to an upper chamber devoted to relaxation and the bath. Above right: ceiling track for bed. Frank Stella painting. Across the room, above left, trough-sink; mirror-paneled shower; marble bathtub 9 feet square.

Movers and doers

Breakthrough

Here are 16 American achievers: canny, industrious, visionary, down-to-earth. They're the problem solvers who are getting things done

Who's out front? Who has ideas, energy, commitment? Grass-roots doers and practical planners all over this country—from Seattle to Kennebunkport, from Phoenix to Atlanta—who are moving ahead in the areas our readers told us were their greatest concerns today. Their skills and settings vary: Some work out of institutions and offices, others from a card table in the kitchen. But all share the best practical qualities of the American character. They function in their communities. They've seen what needs work in our society, and they're doing something about it.

Crime/safety

Reduction of crimes against youth

Vivien Underwood and Hugh Howard
DeKalb County, Georgia,
Police Department



Since July, 1975, the DeKalb County, Georgia, Police Department has been sponsoring an innovative program to cut down on crimes committed against youth. Larceny is by far the most common crime, with its harvest of stolen bicycles (\$114,000 worth were stolen in the county last year) and possessions taken from

unlocked cars or lockers at school.

"An involved citizenry is the best deterrent to crime," say Vivien Underwood and Hugh Howard, the two young detectives who head the program.

Citizens treat coronaries

R. Hanson
Chief, Seattle, Washington,
Fire Department

Medic II was instituted in 1971 by the Seattle, Washington, Fire Department to train citizens in the tech-

... fifth ... have ... effort throughout the United States. So effective is the course that it is now required for high school seniors and

They have talked to local PTA groups, students, and civic organizations to alert them to the new program. Bicycles are now being registered. People who work in or with the county

Continued on page 106

has been given to the employees of Boeing Aircraft, the telephone company, and the 350-member staff of Seattle's new stadium.

When an ambulance responds to a call involving cardiac arrest in Seattle, in 20 percent of the cases a citizen will already be on the scene

Continued on page 106



Communities save their environments

Sterling Dow III
Executive Director,
Maine Association of
Conservation
Commissions

His office is in a barn overlooking a tidal estuary on the Maine coast. He runs a one-man operation on a budget of \$21,000 a year. Sterling Dow symbolizes those Maine virtues of know-how and economy of means: He's done a lot with a little.

In 1970, Dow went to work for the Natural Resources Council of Maine, helping communities set up Conservation Commissions. When he started, there were 7; now there are 215. (Maine is one of 9 northeastern states with legislation permitting such commissions.) These advisory citizens' groups on environmental matters are drawn from their own communities. They advise on the best uses of local natural resources, review proposed development, organize tree-planting and anti-litter drives, acquire land, and so on.

In 1973, with grants from the Maine Audubon Society and the Ford Foundation, Dow founded the MACC, which is

now self-supporting. It continues to help towns set up Conservation Commissions and works with existing ones. Current projects include a series of courses, given at nine locations, on how to set up a local Natural Resources Inventory; a training program for plumbing inspectors to make sure they understand the state code—including environmental aspects; the preparation of a handbook for local commissions. The Association works with its members on land acquisition. In Stratton, Me., for example, a commission is trying to acquire Holt Millpond, a salt-and-freshwater-pond that is, Dow says, "man-made—a small ecology itself."

"It's got to come from within," Dow says of his creating commissions, "people have to want to do it." 215 communities want to be more coming.

Continued on page 106



Plant preservation

Jean Siddall
Head of the Oregon Rare
and Endangered Plant
Species Task Force

Jean Siddall has a goal: to compile the definitive list of rare and endangered plants in Oregon. An amateur, she does much of the work out of her own living room. On March 6-7 last year, the Con-



ference on Rare and Endangered Plants in Oregon, organized by Mrs. Siddall, was held in Portland. Ninety-three amateur and professional botanists participated, all volunteers. Before the conference, botanists throughout the state were sent a preliminary list of endangered

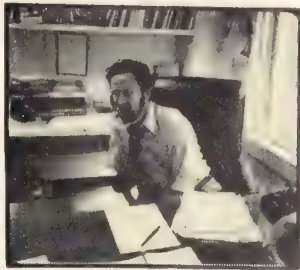
plants, made up of the combined lists of Mrs. Siddall, Dr. Kenton Chambers of Oregon State University, and asked to add their own field notes. She then reviewed information on the 716 species and assigned summer field checks or plants to see if they still

The 12-member Task Force, which first met in December last year, included Mrs. Siddall and representatives of agencies and organizations involved with endangered plants: the Forest Service, the State Fish and Wildlife Bureau, the Bonneville Basin Administration, and other agencies. The job: to coordinate botanical information and compile an official Oregon list of endangered species, and to draft legislation to protect them. The Task Force operates on a volunteer basis; it has most no budget.

"The unique thing about Oregon," says Mrs. Siddall, who was first smitten by Oregon wild flowers when she did an inventory of Oregon native areas for the Nature Conservancy, "is that everyone has a stake. Nobody's fighting for territory—there's plenty for everyone to do."

Legal defense for the environment

John Adams
Executive Director,
Natural Resources
Defense Council



After the successful 1965 battle to block the Storming power project in New York, lawyers, scientists, and environmentalists involved realized that since legal costs had been enormous, a legal defense fund was needed to provide advocacy in similar cases. Young lawyer John Adams took on the task and in 1970 became the first staff member of the New York-based Natural Resources Defense Council. Since then, with an initiating Ford Foundation grant, Adams has forged an extraordinarily able group of lawyers (now a total of 19) and staff, providing the best legal representation and scientific support for environmental issues in court battles all over the country. It doesn't take much good, after all, to pass laws to save the environment if they're not enforced, and the NRDC regularly takes the government to court when enforcement is in doubt. "A legal approach was needed to keep the government honest," says founding member, scientist George Woodwell. The

NRDC also provides legal counsel to match that put up by industry in environmental fights.

The nonprofit NRDC has 30,000 members supporting it through contributions. It is currently involved in some 100 legal proceedings, and is working in areas as diverse as federal land-use issues (grazing, stream channelization, fisheries), the New York City transportation control plan, preventing the spread of environmental carcinogens, enforcing the Clean Air Act of 1970, stopping the clear-cutting of forests, and bringing the AEC's fast breeder nuclear reactor program under environmental controls.

The NRDC is now preparing a Federal Land Use book, explaining all the legal strategies available to community and citizen groups to protect their local landscapes. As Adams says, "The only way we'll ever win this thing is if the environmental movement is equal to the other side."

Culture



Music for the hinterlands

Christopher Keene
Music Director,
Syracuse Symphony
Orchestra

Christopher Keene is an enthusiastic 29-year-old conductor with four jobs: music director of the Syracuse, New York, Symphony Orchestra; the Spoleto Festival of Two Worlds; the Lewisohn, New York, Artpark (a summer festival); and a principal conductor of the New York City Opera. Keene is in Syracuse from September to April, and he spends a considerable amount of that time touring with the orchestra in

upstate and central New York.

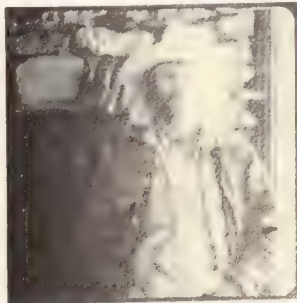
In a state that has three symphony orchestras, there is still a great demand for music in small communities. The

Continued on page 104

Regional town meeting

George Greenbank
Organizer,
Colorado Plateau
Rendezvous

Last year's annual Fourth of July celebration in Telluride, Colorado was special: The town hosted a three-day conference called the Colorado Plateau Rendezvous, a



gathering of Southwestern Colorado people representing all aspects of the population.

Continued on page 104

City planning

Limits to city growth

Earl Finkler
Principal Planner,
City of Tucson
Department of Planning

One of the things Earl Finkler discovered as a planner in Alaska in the 1960s was that local people had a pretty good feel for how big a city should get. "They tied it all to food and sustenance," he says. "When there were too many people to feed, it was time to find a new frontier."

When he left Alaska in 1970 to work for Chicago's American Society of Planning Officials, Finkler discovered that even on "the mainland" people were questioning poli-

cies of rampant growth. Recalling the environmental intimacy of Alaska (in the pre-pipeline days), he began to formulate and advocate a policy of non-growth, of finding an optimum and finite size for a community. He moved to Tucson in 1974 to join the city's department of planning. "Tucson is a good laboratory for this work," he says. "There's a strong sense of identity here, a rapport with



the neighboring environment. And with no suburbs to speak of, there's nowhere to spread."

While non-growth is not a new concept, its proponents generally limit themselves to questions of land use. But Finkler, in his two books, *Non-Growth Planning Strategies* and *Urban Non-Growth Planning* (Praeger Special Studies), confronts head on the social, economic, and legal implications of spurring the growth ethic. And he puts theory into practice. Since Finkler arrived in Tucson, no highways have been built, two more controlled-growth advocates are members of the city council, and the Lear Corporation has agreed to hire local rather than outside people for its new plant (thus limiting population growth).

District revitalization

Genevieve Ray
Director, Codorus Creek
Development Office

Talking with friends in York, Pennsylvania, a few years back, journalist Genevieve Ray, 31, complained about the town's mayoral candidates. "Why, I could do as good a job as any of them," she said. The political campaign she thereby launched didn't get her elected, but it got her moving.

So when the town planners proposed renewing the Codorus Creek section of York by such means as mass demolition and industrial development, Ms. Ray swung into action. She approached

the Chamber of Commerce with suggestions for renovating the buildings and reclaiming the creek for recreation. They laughed her out the door. Undaunted, she redoubled her efforts and founded the Codorus Creek Development Office, where she has since served as a professional watchdog and gadfly, working as liaison between architect/planners and the community—setting up the restoration process, sponsoring canoe races and frog-jumping contests to stress potential uses for the creek, developing funding with area businessmen and federal agencies.

"I believe that ordinary citizens can contribute to the design of their own environments," she says. Her experience is testimony. York is now embarking on an imaginative

program involving recycling buildings, damming the creek for recreation, and developing a four-market center incorporating York's existing farmers' markets with new craft, antique, and auction pavilions interspersed with green areas. "We're trying to make the local people think 20 years ahead," she says, "and it's working."



Neighborhood restoration

Arthur Ziegler
Executive Director,
Pittsburgh Historical and
Landmarks Foundation

One day in 1964, English professor Arthur Ziegler was walking down an old Victorian street in a Pittsburgh neighborhood slated for urban renewal. Enraged at the idea of tearing down historic structures in the name of "progress," he and his walking companion decided to do something—and they founded the Pittsburgh History and Landmarks Foundation. A first step was to purchase an old home in a depressed neighborhood and fix it up. Within 12 years, using foundation and individual donations as well as rent moneys, they had restored 24 buildings with 50



housing units, and 2 18th-century log houses.

What distinguishes Ziegler's work from the labors of countless preservationists around the country, aside from the fact that he is neither an architect nor a city planner, is that he renovates with and for low-income people who live in the old buildings. "Renovate, don't relocate," is

his slogan, and he has stuck to it. His current project, rehabilitating the Manchester neighborhood in Pittsburgh, has inspired the cooperation of the Pittsburgh Urban Redevelopment Authority, which for the first time is working on a program "based upon historic preservation for the poor." The Manchester project was recently singled out for an annual award from *Design & Environment* magazine.

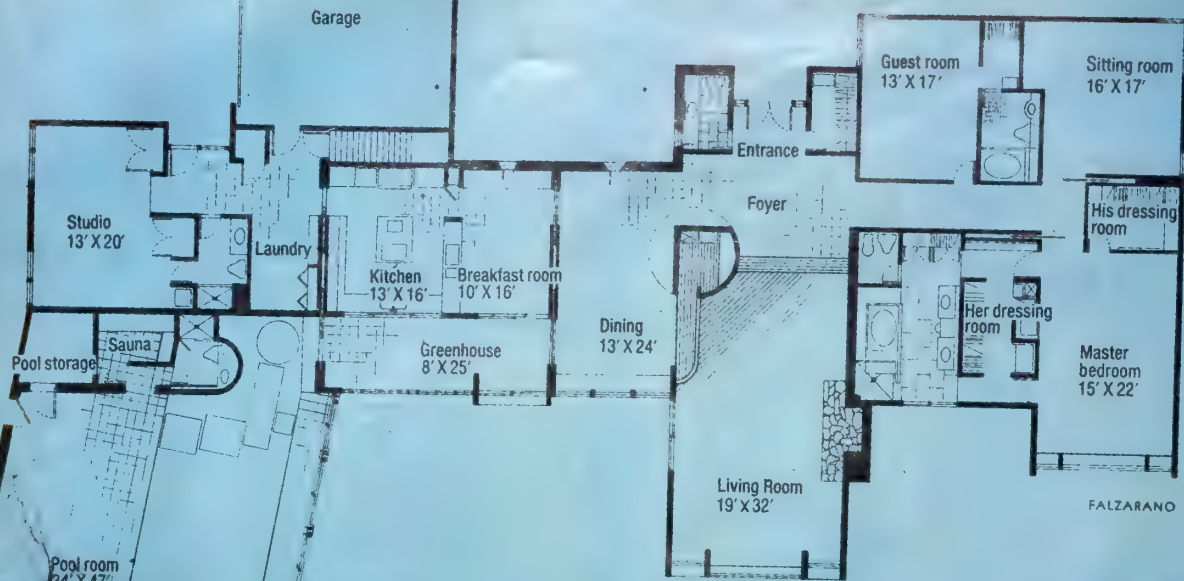
More movers

on page 104, in

Education

Tax waste/ political corruption

Transportation



A HOUSE FOR TODAY

*Designed for today's personal living, a house
 filled with light and nature. A variety of space
 and materials. A new world of enjoyment
 in your own home. A world of relaxation.*

House built of stone and wood

BRACIL

COMFORT

"We felt at this point in life we wanted to have something for ourselves." This was the wish of a couple whose children have grown up and left home, who share a fine collection of modern art, who have their own separate interests and work, and who are both involved in health and exercise. The result, a house that has everything. Designed by John Saladino on one easy-to-run level, everything leads off a

central hallway (see plan). "Our old Colonial-style house had separate living, dining, and den areas," explain the owners, Mr. and Mrs. David Wingate. "Here, everything flows together so we can entertain, play cards, eat, exercise, and just be together in any part of the house—we enjoy it all." The space is filled with natural wood, stone, tiles, soft textures, and earth colors. High windows run across the top of the

entire south façade of the house—all the windows are designed to take advantage of shifting light without damaging the art. Mrs. Wingate is a sculptor, and has her own studio. Mr. Wingate does photography and has his own darkroom and screening room. The indoor pool (lit up, opposite page) is great for exercise and entertaining. A unique greenhouse adjoining the kitchen brings nature indoors.

The living space, below, with bleached oak ceiling and floors, and Mexican sun-dried tiles in front of terra-cotta-lacquered front door. Terra-cotta cotton-tufted upholstery, bright orange-painted wall dividing space from dining area; skylights run along the entire length of the house. Above the chest, a Léger. In dining area, an Appel.



Light reflected off oak ceiling, floor

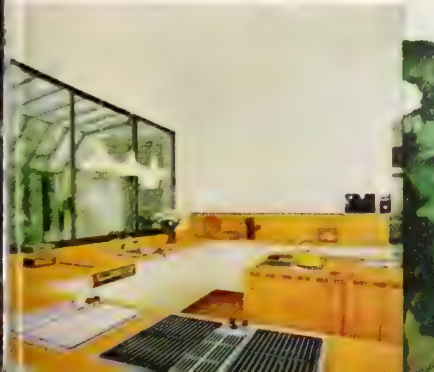




Her office - one side of breakfast room



Kitchen with barbecue grill

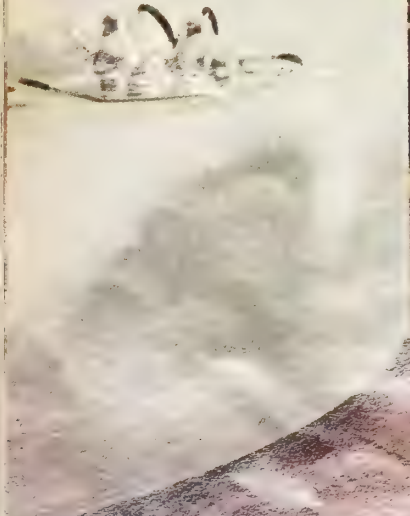


Breakfast room and kitchen





Cozy corner for games



Storage bar of the dining room



Carefully coded wine storage



INTERESTS

A house for today *continued*

For guests, the design is welcoming and informal. The dining area, *opposite page*, flows naturally from the living area. "We entertain very simply," says Mrs. Wingate. "Barbecues mostly, or a roast. Friends will come over and play cards, or sit by the pool, or see a movie, or just carry food around and sit where they feel like. The house was built for that." Mr. Saladino designed the granite-topped dining table

that extends to seat twenty. Beneath the window, with its Daumier sculpture collection, cabinets contain complete flatware and linen storage. Entry, living, and dining spaces revolve around the bar (behind the wall at left of dining area). On this page, multipurpose room; art and sculpture gallery, plus library and screening room: On walls; some of their early finds; wood and marble sculptures by Mrs. Wingate.

The dining area, opposite page, with fourteen reflector bulbs hanging over the table; beige wool-covered chairs; cotton window shades. A Lichtenstein hangs on the wall, a Frank Stella in the distance. On this page, striped canvas cotton upholstery, natural jute flooring, track lighting.



Mrs. Wingate sculpting in her workroom



Mr. Wingate's projector room



A house for today *continued*

Certain parts of the house are designed for the Wingates alone—their bedroom, bathroom, and special sitting room. The bedroom is an oasis—soft, soothing colors and uncluttered lines that give a feeling of stillness, of Japanese simplicity. "It was thought of strictly as a sleeping chamber," says John Saladino. Behind the bed, bleached oak grille panels form a screen

(such panels are also used in windows in other parts of the house). All activity is diverted to the sitting room, where you find his built-in hi-fi, her desk, and their TV. Their bath is like a natural spa of travertine marble with a stone wall, plants, and sliding door into the garden—plus modern fixtures like the plexiglas shower, twin wash basins. Between bedroom and bath, two walk-in closets.

Soft peachy cotton and rayon covers the bed; stretch velour for stools and chairs. In the sitting room, leather Eames chair, suede sofa and panels (not shown). Dancing figures by Gross. The project designer for the house was Larry Redfern; the builder, David Chotan.

In sitting room, his hi-fi, her desk

BEADLE



His clothes and storage closet





Shower for him, tub for her



Breakthrough

Health

Is aging skin a thing of the past? Will there be a cure for cancer? How long do you want to live? Is beauty getting healthier?

By Caroline Seebohm

In 1900 life expectancy was 47 years. The major causes of death were pneumonia, influenza, and tuberculosis. In 1960, life expectancy was 69 years. Major causes of death were—and still are—cardiovascular disease, cancer, and stroke. Penicillin, the polio vaccine, and the pacemaker have saved thousands of lives this century. Every day some new discovery is made about cholesterol, anti-cancer drugs, lifestyle, and our expectancy of life. Greater changes are in the air.

The most recent statistics, based on epidemiologic data, indicate that approximately 80 percent of human cancer is due to environmental, rather than inborn or genetic, factors. The World Health Organization estimates it to be as high as 85 percent. Most research today, therefore, is focused on carcinogens in the environment and how we can avoid them. This ranges from PVCs in the Hudson River to cigarette smoke to nitrates in bacon; it means a total reevaluation of the American way of life.

New developments in the field of cardiovascular research appear almost daily. One of the latest, for instance, is a new method of correcting the results of cardiovascular disease (called the Dardik Biograft after the doctor who invented it) by means of using chemically modified veins and arteries from the human umbilical cord. Devices for "seeing" into arteries, thus offering clues to heart attacks, are becoming more and more sophisticated. Exciting results are emerging from research into drugs that can lower cholesterol. A new computerized heart-attack risk test has been made available to doctors in public service from CIB. The "CARDIO-DIAL" test provides information on patients' cholesterol estimates on demand (via a phone call), a patient's risk of developing heart disease in the next 10 years.

At a recent symposium entitled "2025 A.D.: Aging in America's Future," sponsored by Hoechst-Roussel, Dr. Bernice L. Neugarten, Professor of Human Development at the University of Chicago, said that 21 million people currently reach the age of 64 plus—and by 2025 there would be double that number. Today a man who reaches 65 can expect to live to 78.5; a woman, to 82.5. By 2000, life expectancy might increase by 3-5 years.

Dr. Leonard Hayflick, formerly at the Department of Medical Microbiology at Stanford University Medical School, and a fellow of the Gerontological Society, said that if the three leading causes of death, cardiovascular disease, cancer, and stroke, were eliminated—as is considered likely in the next 50 years—then our life expectancy would increase by about 18 years. (The elimination of these diseases also would promote greater equality of the sexes in old age, as so many more males are prone to heart disease and stroke.)

Dr. Hayflick also suggested that there is an "aging clock" within all of us, and that each human cell reaches a point of longevity beyond which it does not subdivide—at about 100 years old. This may mean there is a biological limit to life expectancy. "The likelihood that any significant increase in human longevity will occur in the next 50 years," he said, "depends upon (1) significantly better cure rates for cardiovascular disease, stroke, and/or cancer, and/or (2) significant advances in our understanding and ability to manipulate the biological clocks that set for each species a maximum life span."

If, as seems very likely, we are all going to live much longer, how will we adapt? The NASA moon program is providing this information by studying the most troubling examples of human ingenuity. It also turned to some fascinating discoveries about health. Some

of their findings have already become part of today's medical vocabulary. But one of the most surprising and illuminating discoveries of all the great NASA breakthroughs has yet to be fully recognized—and yet it is probably the most reassuring.

It turns out, contrary to every medical prognosis, that the Skylab astronauts who were up in space the longest, instead of being worst off, were in fact the least affected when they came back to earth. In Henry Cooper's extraordinary book about the last Skylab mission, *House in Space* (Holt, Rinehart & Winston, to be published in September), he explains how blood counts, physical fitness, and other medical tests showed that the healthiest crews were those who had been in space the longest. The meaning of this is clear: The human being has an unexpected ability to adapt. According to NASA's Dr. Hordinsky, "You throw someone in a new environment, and he's apt to have a tough time at first; but if he survives, he will tolerate it, and then begin to improve." So perhaps, whatever may befall us in the centuries ahead, our unique power of adaptability may help us triumphantly to survive.

An exciting world ahead

Major health breakthroughs take little time to reach an eager public. But sometimes people forget how many researchers are hard at work in laboratories across America, concentrating on specific problems that may in the end turn out to change the course of history. Here, gleaned from medical experts around the country, are a few pointers to our health in the future.

Magic water

Many people would regard hemodialysis machine, or artificial kidney machine, as the wonders of today's medicine. It is keeping thousands of people alive every year. But did you know that some of these people do not survive were it not for a breakthrough in the treatment of Hemodialysis patients, because the treatment, encounter 500 per week more water than other individuals (who go about 2 liters per day, according to EPA figures), so extra-pure water is necessary, since treated water is often contaminated. Up until recently, there was no foolproof way of doing this, but now, by means of a process called reverse osmosis, high-purity water is produced by forcing water through a membrane which allows only molecules of pure water to pass. According to George H. Klumb, member of the Water Quality Research Council, "It is expected in the next 5 years, full household and commercial equipment, utilizing the reverse osmosis process, will be commonplace."

Hair today, gone tomorrow

Biologists with the Orono Foundation are making important discoveries about hair growth. "We are working with anti-androgens," explains research biologist Ronald L. Rizer. "Androgens stimulate hair growth in a man's beard, yet may inhibit hair growth on the scalp of individuals with a genetic predisposition for baldness. Anti-androgens are chemical compounds that interfere with the action of androgens. By learning how to administer these anti-androgens in a safe, effective way, it seems that soon we may be able to prevent men and women from going bald, and women from having unwanted facial hair."

Joint saving

A new instrument, called an arthroscope, may save your joints some day. The arthroscope

gns

Live longer, look younger

needle-like instrument that is pushed into a joint. Looking through it, you can then study what's going on inside that joint. "What's so marvelous about it," explains the orthopedist Dr. John L. Hall, "is that with it you can get a diagnosis that could not otherwise have been made without opening an operation. In other words, it in effect abolishes the need for exploratory surgery—a procedure for both patient and doctor."

Is it a boy—or is it?

A new prenatal diagnostic technique can tell the sex of a baby at approximately 4 months into pregnancy. Called amniocentesis, the test was developed to check whether certain pregnancies may produce a baby with Down's syndrome, better known as mongolism. Fluid containing fetal cells is withdrawn from the mother's uterus. Under analysis, this fluid picks up any abnormalities of chromosomes connected with mongolism—and also tells the sex of the unborn baby. Amniocentesis is a delicate and expensive technique at the moment, but perhaps one day every pregnancy may be checked this way.

And mouth

is turning out to have prop-

erties hitherto unthought of. "We have found that changes in saliva can be used as a diagnostic tool," explains Dr. Irwin D. Mandel, Professor of Dentistry at Columbia University School of Dental and Oral Surgery, "for instance, in cystic fibrosis, hypertension, malnutrition, diabetes, and rheumatoid diseases. There are probably 400 diseases which manifest themselves in the mouth—blood, nutritional, and lung diseases, for instance—so the tradition of 'stick out your tongue' makes sense after all. We are now suggesting that physicians take samples of saliva in certain situations to help in diagnosis. In the future we hope medical schools will include in their curriculum a larger examination of the mouth than is done at present."

Breathing space

A pump to oxygenate the blood is being developed by Drs. Henry J. Heimlich, George Rieveschl, Edward Patrick, and former astronaut Neil Armstrong, Professor of Aerospace Engineering at the University of Cincinnati, in association with the Jewish Hospital. "We took a small pump out of the Apollo astronauts' backpack—it seemed to have all the qualities necessary for heart-lung ma-

chines," explains Dr. Heimlich. "It's very small, very light, very dependable, and has a very good flow rate—when you run blood through it, it is 10 to 100 times less destructive to blood than any existing pump in heart-lung machines. We are now in the process of modifying that to use in these machines."

"We are also working on a portable oxygen supply that can be delivered directly into the lung so that very little oxygen is needed. It should enable people with emphysema or other lung diseases to function normally, even bound to an oxygen supply. This is maybe 2 years away from completion."

The goal is to bring the two

tortion (without such a device, it sounds like Donald Duck, as you will know if you have ever run a tape recorder too fast). This means that a blind person will now be able to listen at a rate comparable to the average sighted person's reading speed of 275 words per minute, where it formerly took twice as long to absorb the same information. The module was developed by Cambridge Research and Development Group, Westport, Conn.

Inside story

"We are watching with a great deal of interest an agent that inhibits the histamine molecule for its

"If the three leading causes of death were eliminated—as is likely in the next 50 years—then our life expectancy would increase by about 18 years"

together, the pump and the oxygen source, and miniaturize them so that something the size of a pacemaker can be implanted, to deliver oxygen to the blood. "This means the heart won't have to work as hard. It's years away, but we are working on it."

Brain wave!

Sensory motor training—or bio-feedback, as it is more popularly known—is turning out to be one of the most important health breakthroughs of our age. This technique of muscle control and relaxation training that you learn with a machine (from which you are later weaned), is beginning to show astonishing success in treating insomnia, paralysis, sexual disorders, hypertension, and many psychological problems. Manufacturers are now beginning to bring out small professional quality monitors you can use at home for under \$200—but the treatment is still in its infancy and should be conducted under the supervision of a medical expert.

A quick study

Listening to recorded speech is not nearly as fast as reading—as blind people know only too well. But now this problem may be solved: the American Printing House for the Blind has produced a device called a Variable Speech Control Module, which speeds up recorded speech without pitch dis-

effect on the heart and gastrointestinal tract," says drug specialist Dr. Dale G. Friend of Harvard Medical School. "It's called cimetidine. It is not yet available on the market, but it looks as if it may show great promise in healing ulcers of the stomach and intestinal tract (such as duodenal ulcers)."

Cosmetic—or drug?

Probably the most dramatic change in American beauty in the last 200 years has been in our attitude to cosmetics. Once upon a time it was rose petals for rouge, rice flour or cornstarch for powder, honey paste for moisturizers. Now what we put on our face is as important as what we put in our bodies—and as carefully analyzed.

"Everything affects the structure of the skin," says Dr. Kligman, "including water. All preparations you apply to skin have measurable effects. Americans are currently aware of this, because we now have very sophisticated methods of measuring these effects. Chemical technology can tell us almost everything."

What this means is that the distinction between a cosmetic and a pharmaceutical product is practically obsolete. "There will be no difference between pharmaceutical companies and cosmetic companies in two years," declares Mr.

Continued on page 106

o-body's worked a miracle—yet. A 70-year-old woman isn't suddenly going to look 20.

But there's something very definitely in the air. "We have been using Vitamin A acid (Retin A cream) to try to restore some of the damage which takes place in aging skin," says Dr. Albert M. Kligman, Professor of Dermatology, School of Medicine, University of Pennsylvania. "It's a very unusual drug. We have been using it with some success for acne, but we now know it has multiple effects in the treatment of aging skin:

1. The surface of the skin is made smoother. If someone is very wrinkled and the skin is very loose, obviously Vitamin A acid is not going to tighten up the face. The laxity of old skin is there forever. But the drug can reduce scaliness in a controlled fashion, and it is safer than operations such as dermabrasion or phenol chemosurgery.

2. Pigmentation diminishes. As you get older, the skin on face and hands tends to mottle. Vitamin A acid reduces that blotchy appearance.

3. It cleans out the follicles. With age, your skin follicles get larger, and they fill up with tiny little hairs too small to see. If a woman of 50 or 60 complains that her complexion is getting coarser, it is because the follicles, which used to contain one hair, now contain from 5 to 30 hairs. Vitamin A acid has the tendency to expel those hair plugs—that alone improves the look of the skin.

(Continued on page 106)

American beauty predictions
Young skin forever?

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(Continued on page 106)

Gloria Vanderbilt:

everything's coming up roses

It seems that she has it all: talent, beauty, energy, a family, creativity, money, success. Gloria Vanderbilt talks about her life and her achievements

EDITOR'S NOTE: *Jane O'Reilly is a free-lance writer and a columnist for the Washington Star, who has written widely about travel and women's issues. She lives in New York with her son.*

By Jane O'Reilly

Gloria Vanderbilt is a nice and interesting person and I was very pleased to meet her. Which was not what I expected. I expected her to be like one of the myriad *objets* she collects: small, perfectly shaped, beautifully colored, but not very interesting to talk to.

Pictures of Gloria Vanderbilt have haunted my years in New York. For a while it seemed that an event on the politico-cultural-social-fashion circuit simply couldn't take place without her presence. Eugenia Sheppard's column and *Women's Wear Daily* could not have gone to press without a picture of her face. Part Oona O'Neill, part Ali McGraw, part Cheshire Cat, her face always looked eager to please, glad to be part of it, and a bit too stark for black and white.

What, after all, was one to think of a woman who was lavishly photographed surrounded by collections of patchwork quilts, which she had had installed on the walls and floors of her magnificent Manhattan town house? Or wearing several of her collection of Fortuny pleated dresses? Or arranging Christmas decorations drawn from her collections of Victoriana, Chinese porcelain, and golden tableware? One of the things I thought was that Gloria Vanderbilt had failed to heed the advice of the ancient Greeks: "Nothing in excess."

But, on the other hand, the pictures revealed something so endearing in her paintings and designs, something so beguiling and hopeful in her face, that I suspected the press had obscured the real person by its very enthusiasm.

The real person turned out to be as pleasing as I had hoped, but also interesting and sensible. "I rarely read anything about me. I find it takes away

from one's concentration," she said, when I asked how she felt about her constant appearances in papers and magazines. "Today, there seems to be no more privacy left. But I've been traveling with my collections for the last few years and really, there is nothing I can't answer . . . really, there is no worst question. It used to be painful to talk about my childhood, but that is certainly resolved now. Or I can turn away the question if I don't want to talk about it."

She has been written about since she was 10 years old, when she and her money were the object of a custody battle between her widowed mother (who seemed to be trying to revive the title of "Merry Widow") and her aunt. Even though the masses of attention every since have almost always been friendly and sympathetic, she might, if she had read it all, have spent her life adjusting, and worrying, accommodating, and recovering. Instead she seems to have spent her life concentrating, consolidating into the person she is today. In the process she has learned to use the media for her own purposes—a rare achievement.

A few years ago, she and her husband, writer Wyatt Cooper, decided to simplify their lives. They sold the town house, quilts and all, to the Peruvian Embassy and moved to the United Nations Plaza apartments, a 15-story high-rise enclave of the rich and glittery and glamorous. Her new address was 17th Street, 11, and Anders S. Holm saw the first floor. Every morning Mrs. Cooper dresses in a white jumpsuit with a blue sweater, the color of the 17th floor. "The person who lives here is a woman who is a wonder she gets up and goes to work."

She dresses in a white jumpsuit with a blue sweater, the color of the 17th floor. "The person who lives here is a woman who is a wonder she gets up and goes to work."

her design, and while I gave her a steely-eyed reportorial once-over, she gave me an efficient handwritten list of all the businesses she is currently engaged in. My notes say: sturdy hands, short unpainted nails. Very thin, maybe 5 feet 5 inches, dressed in a white jumpsuit over a blue sweater, with a neck collar made of a pre-Columbian artifact. Hair burnished darkest brown, drawn back behind her ears. Big ears. Bold ears, in fact, but cute. Black cherry eyes. Slight touch of green eye shadow, lightly applied rather odd makeup, a sort of white faintly blushed with mauve, looks a bit as though she just dipped into the huge jars of poster paint that are arranged on the canvas covering the floor.

Her manner of speaking is more enthusiastic and considering than it is forceful and resolved. A high, upper-class girl's voice, Long Island upper-class, as in "upstahyers" for upstairs, and "Chiner" for China. Says "you know?" a lot, but not as a hippie would. I can't remember what shoes she had on, but sneakers do not seem inconceivable.

Her notes say: Gloria Vanderbilt Ltd., Chairman of the Board. "Oh yes, didn't you know?" she says, obviously excited. "We're starting a ready-to-wear collection. We've got a beautiful big loft on the 15th floor on Seventh Avenue that used to belong to Teal Traina, and my name is already on the directory downstairs." And, Gloria Vanderbilt (trademarked in her signature logo—her name and a swan motif), President, which seemed to be involved through corporate connections with the designing of paper products, comfort-tery dishcloths, even oven mitts, china, stemware, and paper works. "I find the china most really fulfilling."



she says, bringing out some of the stemware designed to complement the china, charmingly turned into tulips and small bouquets of lily of the valley. Vietnamese refugees are painting and firing the glasses in California.

Her wallpaper collection has just been introduced, and everyone by now knows her designs for fabrics, table linens, bathroom accessories, eyeglasses, scarves, and decorating magazines. And, oh yes, graphics. She is, before all, an artist.

"At 38, I really knew the direction I wanted," she said. "It was to just paint and do nothing else. I've had twenty-five shows and three museum retrospectives—they are wonderful, it is so nice to see paintings again. My collages led to the designing; I didn't think of it at the time.

"Work to me is all joy . . . it is my joy. I always wanted to act, and write, and paint. I felt they fed each other. For seven years, in the fifties, I did lots of television plays. *The Swan* was my first legitimate stage experience. It was a very successful play and a perfect vehicle; we went on tour, but it was unfortunate—I knew nothing about the theatre and I was very badly advised. The thing I always hated about acting was the dependency on other people, the script, the actors. The thing I did love about it—when it was working well—was that it was like having a family. In a theatre company there is a crisis state all the time. It brings people closer. Of course, when it doesn't work, it is like a terrible family.

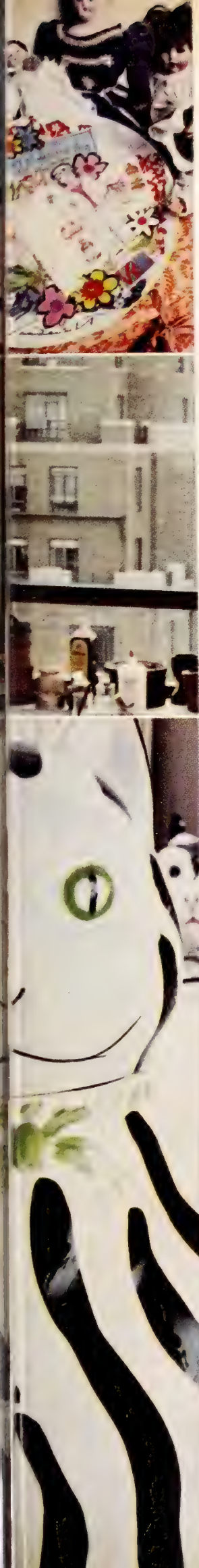
"Writing seems to have no reality unless somebody is reading it. I had short stories and book reviews in *Cosmopolitan*, and I wrote a play, which was optioned but never produced. It was very difficult, even though I had something to say."

But, I ventured, why? Writing is indeed very difficult, and I would never type another two words if I didn't have to earn a living, and surely that is not a compelling motivation for Gloria Vanderbilt.

"I really always wanted to be stupendously successful," she says. "In the past four years
Continued on next page

Opposite page, Gloria Vanderbilt toasts the future in a Lily of the Valley wine glass she designed; other new designs include, **this page top**, Collage pattern dinner plate; **at left**, porcelain Teapot Tom. **Center**, art supplies on a sill. **Above right**, the artist in her studio; **lower right**, "Thank you" notes. All by Gloria Vanderbilt from the Collage for Living Group by Sigma.

SUSAN WOOD



Everything coming up roses *continued*

I have had more success than I ever dreamed, even though I wanted it and worked all my life for it. I don't know exactly why, I was always ambitious. I suppose it's like the Billie Holiday song, you know? 'Mom may have and Papa may have, but God bless the child that's got his own.'

"I appreciate every single moment of the success I'm getting now, but in a funny way it comes almost too late, you know? It is as though you no longer want it the way you want it. Like the Zen saying 'Much sought I could not find, much found I could not bound, much free, that which I freed returned to me.' I think happiness really happens once you let go, and you resolve yourself. Everything in life is timing, in a funny way. You know the old saying 'Jam yesterday, jam tomorrow, but never jam today?' In the United States, it is like there's nothing in between. We should be more aware of jam today."

Gloria Vanderbilt told me she is 52 with all the pride of someone announcing she has just come of age. "I feel the best is still coming," she said.

Very satisfying, success tends to add a sparkle to the eyes, a glow to the cheeks, a laugh to the heart. Exhibiting all of these symptoms, Gloria Vanderbilt curled further into her corner of the sofa and said, "To have a great success come help, I do think." And she laughed.

"I feel the best is still coming," she said, "so I have a lot to look forward to." We discussed our horoscope signs. She is Pisces, on the cusp of Aquarius, February 20th. "Umm," I was edging toward asking how she felt at the last birthday. "I was fine," she said, with all the pride of someone announcing she has come of age. I confessed that I was approaching 40 and not at all pleased about it. "For me," she said. "Oh, you are still a baby. You have lots ahead of you."

SUSAN WOOD



expressed the hope that I would be able to look forward to appearing twenty years younger, as she does. Does every one of her friends look as well, I asked? "No," she said rather sadly. "They don't. But, you know, our mothers looked older. Women of the twenties and thirties looked much older than they do today." She paused to think about it, but the only beauty hint she could offer was "Don't go near the sun."

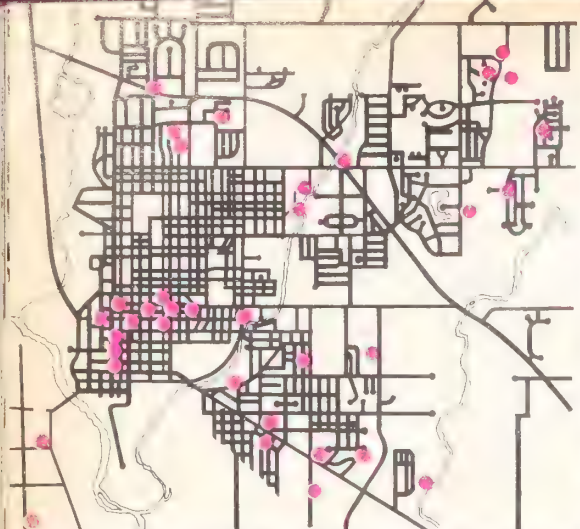
Gloria's two oldest sons, Chris and Stan, are 24 and 26. The little ones are 11 and 8. It takes someone very determined to have a baby at 44. "Oh, I was longing to have a little girl, you know? I even took Pergonal, the fertility drug, after I had the boys. It never occurred to me to worry; it always seemed so incredible and marvelous, each one. I'm always fascinated by women who don't want to have children—it seems unbelievable. Of course, it does seem to take an enormous extension of one's self.

"I never had a supportive atmosphere in my family. I felt very alien always. I think people with that background do tend to make their own way. On the other hand, if there had been support I might have gotten it all together sooner. Our children are really extraordinary children—Carter is 11 going on 40. We take them to everything, and we also have a marvelous time together."

The Coopers feel not just strongly, but passionately, about family life. Wyatt Cooper, who is entirely endearing himself, has written a charming book called *Families, a Memoir and a Celebration* (Harper & Row), about his own families and what the idea of a family means to him. Gloria and Wyatt have been married twelve years. I asked her if she liked him. She seemed a little surprised at the question, but she certainly did not hesitate to answer it. "Yes, I do. I really do. We met in New York. He was a screenwriter in Califor-

Continued on page 107

Opposite page, far left, two new Vanderbilt sheet patterns, Seaside and Boardwalk by Martex; **top**, the Wyatt Cooper family in stride; **center**, Rainbow Check apron, mitt, potholders, by Martex, **bottom left**, Ribbon bath accessories by Martin Garment; **bottom center**, Everlasting china by Sigma; **bottom right**, Garden Bird vinyl wallcovering by James Seeman Studios. **This page, top left**, Gloria romps with sons Carter and Anderson; **bottom left**, sketching; **rest of page**, two Vanderbilt paintings and Sincerely Yours china, placemats, napkins, notecards, Tulip wine glass, designed by Gloria Vanderbilt for Sigma. For shopping information, please turn to page 140.



The new buildings are spread out all over Columbus. Below: Children at Mount Healthy Elementary School start the day at school with no corridors, no doors.



Innovative architecture creates an astonishing impact on the small Midwest town of Columbus, Indiana. A special report on the power of environment

By Beverly Russell

"First we shape our buildings, then they shape us . . ."
—Winston Churchill

In times ahead, when people want to find out what architecture in the 20th century was about, the place to go will almost certainly be Columbus, Ind. At the last count, there were in this small Midwest town of 30,000 people 38 important buildings by leading architects. What's more, these buildings are some of the finest examples of the work of I.M. Pei; Harry Weese; Kevin Roche and John Dinkeloo; Eliel and Eero Saarinen; Gunnar Birkerts; Cesar Pelli; Edward Larrabee Barnes; John M. Johansen, Venturi & Rauch; James Polshek; Hardy, Holzman, Pfeiffer; John Carl Warnecke; Mitchell-Giurgola; Caudill, Rowlett, Scott; Skidmore, Owings & Merrill; and The Architects Collaborative.

But Columbus is more than an architectural showcase. Here is a story of public consciousness-raising through changing surroundings. Twelve new schools have been built in the last 17 years and children in the schools show an astonishing record of progress. Columbus has won more gold medals and certificates in art shows and competitions than any other town in the state. Forty-three percent of high-school graduates are college bound, almost twice the national average. When they get to college, reports the School Board Superintendent, they do exceptionally well, "are recognized as top students in whatever their area." The new schools not only motivate students, but attract good teachers as well. Ten years ago it was hard to get new personnel to the small Midwest town to work. Today there's no problem. Top-notch teachers are eager to go there, enticed by the idea of working in up-to-date surroundings geared to the latest forms of open-corridor education. Columbus teachers have never been on strike, nor has there been any campus unrest.

A high standard of architecture has generated something besides an urge to learn and grow: It has also prompted Columbus families to take real pride in their community. They care about their town. They know the individual has a voice and an impact on what goes on—a situation that runs counter to experience in the majority of urban societies. Seeing new architecture has made people appreciate the value and the characteristics of the old. Significant buildings, which might have been wiped out to make room for parking lots or supermarkets, are now being carefully restored and put to new uses. One mid-Victorian mansion has been recycled into a brand-new—and much needed—Visitors Center: The town drew 20,000 interested travelers last year, and at one architectural seminar, 800 students camped in the park.

Continued on page 82

Columbus East Senior High School, right, designed by Mitchell-Giurgola Associates and winner of a 1975 A.I.A. award. Designed for "team teaching," it has five large group-instruction rooms, seating up to 250, plus smaller discussion rooms for groups of fifteen. Also an indoor-outdoor pool, a planetarium, greenhouse, and a science animal room.

AMERICA DISCO



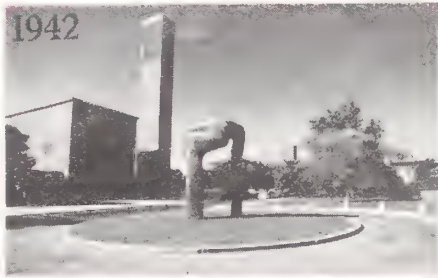
VIERS COLUMBUS

ARCHITECTURAL BREAKTHROUGH IN COLUMBUS

FIRST CHRISTIAN CHURCH

Eliel Saarinen

*The start of it all:
strong, geometric,
an uncluttered
design for rational
churchgoers.*



1969 CLEO ROGERS MEMORIAL LIBRARY

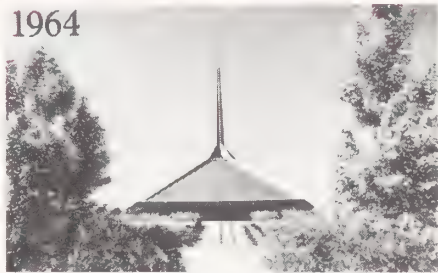
I.M. Pei and Partners

*Powerful glass and
brick pavilion. Henry
Moore's "Large Arch"
stands in its
brick-paved plaza.*

NORTH CHRISTIAN CHURCH

Eero Saarinen

*A generation later:
church-in-the-round
for a breakaway
congregation.
Hexagonal shape,
a needle spire.*



1971 "THE REPUBLIC"

Myron Goldsmith,
Skidmore, Owings &
Merrill, Chicago

*Transparent rectangle
in glass and steel. It
brings the printing
press of the daily
newspaper right out
in the open.*

DOWNTOWN STREET UPDATE

Alexander Girard

*Repainted shop
fronts, unified
canopies and signs.*



1972 MOUNT HEALTHY ELEMENTARY SCHOOL

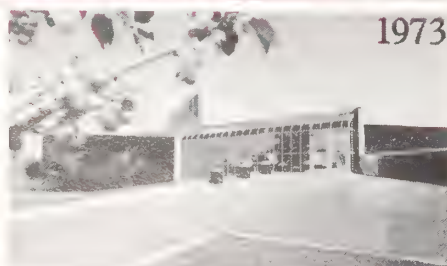
Hardy, Holzman,
Pfeiffer Associates

*An open-corridor
plan: the building
is really one big
room on three levels.*

FIRST BAPTIST CHURCH

Harry Weese

*Gray slate roofs with
pink brick in this
radical design.
Chapel is separate,
so is bell tower.*



1973 COLUMBUS OCCUPATIONAL HEALTH CENTER

Hardy, Holzman,
Pfeiffer Associates

*Serene glass structure,
bright blue, yellow,
and green inside.
1976 A.I.A. award.*

W.D. RICHARDS ELEMENTARY SCHOOL

Edward Larrabee
Barnes

*Shed roofs to bring
natural light into
classrooms. Lots of
color, child-height
detail, inside.*



1973 FODREA COMMUNITY SCHOOL

Paul Kenyon, Truitt
Garrison of Caudill,
Rowlett, Scott

*Tunnels, spiral slides,
learning areas for
team teaching. The
children suggested
some of the ideas.*

FIRE STATION NO. 4

Venturi & Rauch

*Red and white brick,
Pop Art approach to
a city facility.
And firemen love it.*



1973 THE COMMONS

Cesar Pelli,
Gruen Associates

*Downtown's meeting
place. Bronze solar
glass designed for a
multi-activity
and shopping space.*



**“Any town could do it.
Buildings cost the same
whether they’re well done
or not” — J. Irwin Miller**

How was this remarkable chain reaction of civic development triggered off? The prime mover was industrialist J. Irwin Miller, whose family has lived in Columbus for seven generations. “Any town could do it,” he insists. “Buildings cost the same whether they’re well done or not. It doesn’t take a lot of money but it does take a lot of time. This has been going on for 40 years.” Mr. Miller’s uncle donated funds for the first modern building in 1941, the First Christian Church, designed—at his nephew’s urging—by Eliel Saarinen. Saarinen chose brick for it, keying the material to the Miller family home, a fine old mansion built in 1864, just across the street. Saarinen’s son Eero was invited to design a house for the younger Miller’s family in the 1950s, which *House & Garden* published in 1959.

As Mr. Miller’s interest in architecture developed, so did his interest in improving the town. One thing led to another. He offered a plan to the school board: **If the board would select an architect for a proposed school from a list of six drawn up by a special architectural advisory committee, Mr. Miller’s Cummins Foundation would pay the design fees. The record shows how enthusiastically the town responded.** He then turned his attention downtown. “In my youth, downtown really was the center of town, which was then a farming and trading community of 8,000 people. It was the kind of town where you knew almost everybody who went past in the street. Saturday was the big day. What happened in our downtown was worse than in others. As the town expanded north and east, shopping centers on the outside of town drew people away.” To halt deterioration Mr. Miller called on government, banks, lawyers, and interested merchants to help renew 16 blocks along Washington Street—the main avenue—to restore business and life. The scheme met with resounding success. The center of all the action now is The Commons, a striking solar glass construction by Cesar Pelli. The Commons is a multipurpose, climate-controlled space that includes a Sears department store, many shops, two restaurants, two cinemas, an art gallery, a flower kiosk, and a welcome—and well-used—children’s playground. The Commons can accommodate 2,000 for a dance, and often does. It attracts local artists and crafts people who use it for shows and exhibitions, “bringing our local talent out in the open instead of having it buried somewhere in a church basement,” explains Mr. Miller. **The Commons, above all, is a place where people gather. “And,” says its director, “it seems to generate good feelings, a public place to come and rest, sit and talk, walk and dance, shop and play.** It attracts people in good or bad weather, and it has certainly helped the town to be economically strong again. Ten years ago there were 19 empty storefronts on Washington Street.” During the day, The Commons is filled with sunlight and visiting photographers catching the ebb and flow of shadows and people. It’s equally spectacular at night, when pinpoints of colored lights in the ceiling interact with the pattern of overhead stars.

Continued on page 103

Dramatic addition to the Irwin Union Bank & Trust Company by Kevin Roche, John Dinkeloo & Associates. Dispensing with the marble fortress notion of what a bank should be, this has an open, friendly feeling. The pedestrian arcade is glass, *striped* to give a wonderful Venetian blind pattern of shadows inside, and also to reduce the amount of heat absorbed into the space on a sunny day.



The
American
character
in American
painting

ART IS THERE TO TELL US WHO WE ARE

By John Russell

Perhaps the most imperious of human needs is the craving for identification. To know who we are is, quite literally, a matter of life and death. We don't have to be cadets at West Point to know that there is no subtler torture than never to be addressed by one's name, never to have one's existence acknowledged, never to have anyone say (even by implication): "You are one of us."

That is what art is all about. Art is there to tell us who we are, and where we live, and what it is that binds us to one another. Art is reassurance. It tells us how the world looked to people who were brighter and more observant than ourselves, and it tells us how other people looked, too. Sometimes there was more editing in the portraits of named people than there was in the portraits of landscape; but once we have learned to allow for that editing we are likely to decide that the art of the past is as good a guide to human nature as any that is available to us. The art of the past helps us to make sense of the present; an Englishman is more English for knowing Holbein's portraits of his forefathers, a Belgian more Belgian for having explored the panoramic landscapes of Rubens, a Frenchman more French for having learned from Edgar Degas and his incomparably sardonic insights into family life.

American painting is in this matter both blessed and handicapped. It is handicapped because it began later than European art and was for a long time both awkward and incomplete in its analysis of American landscape and, even more so, in its analysis of American character. But that tardy start was also a blessing, in that Americans react to the best American painting with an immediacy, a gratitude, a spontaneous outflow of feeling, which are no longer common in Europe. How many Florentines ever look at a new painting? Their canons of personal beauty were fixed once and for all 500 years ago and if they should wish to update them they are more likely to turn to movies than to painting for the new image which makes them feel by that much the more completely themselves.

But there was no American oil painting in Botticelli's day, and when Americans began to look around for a definitive self-awareness they had to invent the means to it. It couldn't come ready-made, either. It had to be felt for, negotiated, tested and found correct. It took a while, but something very important was at stake: nothing less than the truth about what it felt like to be an American. Progress in so great an adventure was necessarily slow, just as it was slow in poetry, slow in the novel, slow in music, and slower still in the theatre. Nothing great was ever done in a hurry.

Continued on page 88

Editor's note: To see ourselves as another sees us, we turn to British-born, Oxford-educated John Russell, an art critic of *The New York Times*. Mr. Russell has contributed articles on art to many magazines, including *Art News* and *Art in America*; he has written books on Seurat, Vuillard, Matisse, Max Ernst, and Henry Moore; and he has organized major exhibitions of Modigliani, Rouault, Balthus, and Pop Art for the Arts Council in London. His many-volumed series, *The Meanings of Modern Art*, was recently published by the Museum of Modern Art.

Right: Mr. and Mrs. Isaac Newton Phelps Stokes by John Singer Sargent. The Metropolitan Museum of Art, Bequest of Edith Murnum Stokes. 1938
Opposite page, top: The Residence of Daniel Langley and **Bottom: Summer Picnic** by Edward Hicks. Museum of Art, Carnegie Institute, Pittsburgh, Pa.
Bottom: Summer Picnic by Alex Katz. Courtesy Marlborough Gallery, New York, photographed by Robert Mates and Gail Stern.





*The Residence of David Shulzinger in 1783
when the painter was five years old*



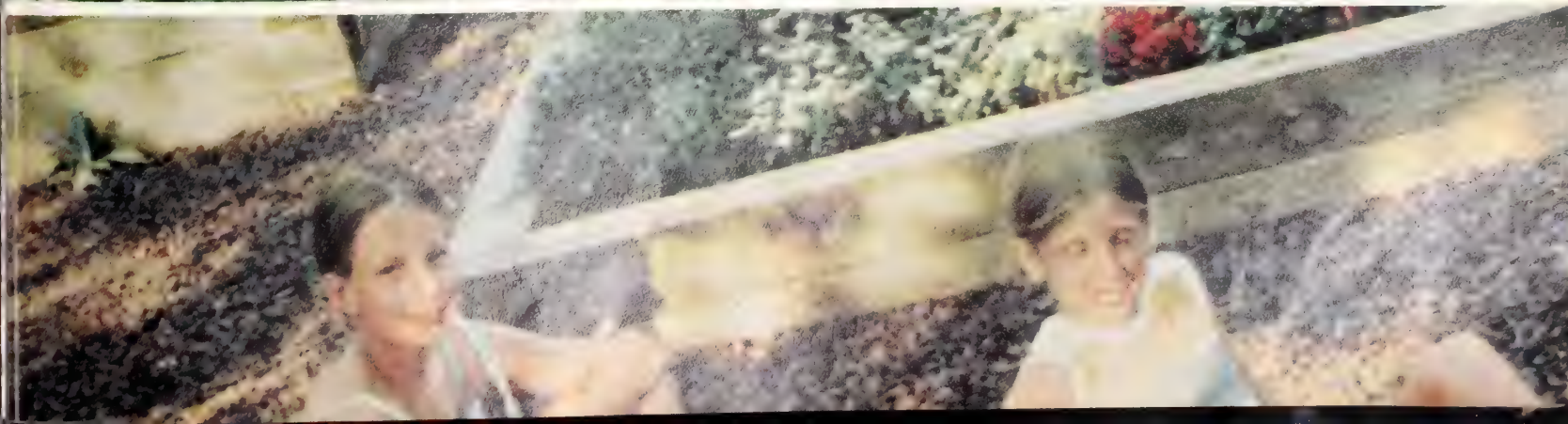
Windproof, weed-free, and antiwork,
a garden for living, with fountain,
a brick game board, and a flag in bloom

Star-spangled garden

Sunken in the foundation of a barn that used to be "so shaky even the barn swallows stopped coming," a super-practical garden doubles as an outdoor family playroom with a patriotic touch: an American flag in flowers for the Fourth of July. "The Fourth is our favorite holiday," say Mr. and Mrs. Herman Widder. "Always has been." (For their yearly picnic they even bake a cake with white icing, strawberry stripes, blueberry stars.) The garden itself is a declaration of independence—from work and weeds. Black plastic underlies the terra-cotta pebble paths and is also used, under bark chips, as mulch for easy-on-the-back raised beds of 6-by-6-inch timbers. These are planted with carefree perennials and evergreen shrubs. To cope with winter leaves and dropping pine needles, the Widders lay nylon mesh across the paths in fall, shake out the debris in spring. In a corner of the garden, a fountain in the raised fishpond makes a gentle sound that attracts birds; for easy cleaning, the pond is equipped with a bathtub plug. The checkerboard is made of light and dark bricks cut in half, with colored tiles for checkers. This Long Island garden was designed by David Eric Seeler of the Bayberry Nursery in Amagansett, N.Y.

Flower flag, right, begonias and lavender-blue ageratum. Far right: Garden with built-in bench, beds, pond. Below left: Bright blue picnic table on terrace overlooking garden. Below right: Ruth and Herman Widder, Lynnette, 12, Laurie, 10. Plan, below: 1. Bench. 2. Pond. 3. Shrub and perennial beds. 4. Steps. 5. Brick checkerboard. 6. Bicentennial flower flag.





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But as it is with the American character, so it is with American painting: between Memorial Day and Labor Day there steals over many a robust nature a kind of amnesty, during which dark thoughts are set aside

American Painting continued from page 84

That is why a peculiar poignancy attaches to paintings like the three which are reproduced here. They have in common one thing only: that without being in any way formal or pompous, they set out to catch something of the quintessence of American life. Edward Hicks as a man could hardly have been more unlike John Singer Sargent. Hicks was a Quaker: a man who literally quaked or trembled as he strove to be reborn in Christ. William Penn had established what seemed to Edward Hicks an ideal standard of how human beings should conduct themselves. A new world, as Hicks saw it, called for new men and new women who would not fall short of Penn's ideals. Sargent, by contrast, was one of the most worldly men who ever lived. He allowed society to carry him with it, unresisting. Nowhere in his work—except conceivably in *Gassed*, a painting in which by implication he said that the inhumanity of World War I was beyond all bearing—is there the faintest suggestion that the rich are not rich by divine right.

So what common ground can there possibly be between these two men? Just this: that they did not want to be alive in their time and not bear witness to it. Sargent is best known for the full-dress society portraits in which the skills of his European predecessors—Hals, Velázquez, Van Dyck, Sir Joshua Reynolds, Sir Thomas Lawrence, Winterhalter—were simulated and given a high gloss of a particularly unpleasant kind. Edward Hicks is best known for his *Peaceable Kingdom* series, in which a famous passage from the eleventh book of Isaiah is made vivid to us and it comes to pass that "the wolf shall dwell with the lamb, and the leopard shall lie down with the kid; and the calf and the young lion and the fatling together; and a little child shall lead them." Once again, the disparity of intention would seem to be total.

Yet Sargent had his informal moments, and there were times when Edward Hicks put down the book of Isaiah and addressed himself to the world around him. For all that Sargent went along with those of his sitters who wanted to fool us if they were just back from the Congress of Vienna, he could recognize true human quality

when he saw it. We know that from his portrait of Robert Louis Stevenson, for instance, where the inner commotions of that very distinguished but ultimately not quite great writer are most delicately conveyed. Edward Hicks enjoyed painting what were in effect historical novels on canvas: scenes in which, for example, William Penn was seen making his peace with the Indians. But when he painted *The Residence of David Twining in 1785*, he laid fantasy aside, just as Sargent laid flattery aside when he painted Robert Louis Stevenson as a man who could not bear to sit still, let alone to assume the kind of pose that most of Sargent's sitters regarded as mandatory.

Hicks did not try to make the farm in question look grander than it was. He counted up all the things that he could see and set them down one after another with the kind of candid asymmetry that a more servile painter would long before have learned to avoid. What he has to say about America in this painting still comes to us as a revelation, for this is an America that has not been tidied up, is not wearing its best clothes for the occasion, and does not come on as an earthly paradise. But we recognize it as transparently true—even down to the rudimentary agricultural equipment which David Smith would one day turn into great American sculpture. It is a timeless America that Hicks sets before us, and we are grateful for it.

Timeless, equally, is the young wife in Sargent's *Mr. and Mrs. Isaac Newton Phelps Stokes* (1897). Unlike so many of Sargent's female sitters, she is not overdressed. Nor does she strike a pose borrowed from the English 18th century. With her demure shirtwaist, her stiff white collar and black bow tie, her unvarnished cheeks, and her evident longing to jump down from the picture and make the most of what life has to offer, she is the archetypal well-bred young American woman. When Henry James came back to his native country in 1906 after a long absence, he saw young women of that sort all over New York. They seemed to him to personify what he called a "collective alertness of bright-eyed, light-limbed, clear-voiced youth, without a doubt in the world and without a conviction." Today, we might wish to drop those last three words, since the descendants of the young

Continued on page 103

WINE & FOOD

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Summer parties with a light touch

Helen Corbitt, famous for her low-calorie menus for The Greenhouse spa in

Texas, turns more and more to light menus for her own parties. "Everyone wants to serve and eat light foods these days," says Miss Corbitt, who shares her own favorite summer menus and recipes.

Broiled mountain trout, Red and green pepper sauce
Horseradish mousse

Stir-fried slivered fresh vegetables

Fresh fruit over ice cubes with slivers of crystallized ginger

BEADLE



FREDERICK EBERSTADT



page

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American whiskey: in good spirits

William P. Rayner, left, returns from Louisville with the fascinating story of American whiskey and some original ideas for mixing drinks, lacing desserts.

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Pickling and preserving Southern style

Edna Lewis's tantalizing recipes for summer pickling and preserving, from her new book *The Taste of Country Cooking*.

The Taste of Country Cooking

She makes the tantalizing aromas of a farm kitchen. She brings back the best, natural tastes of the wonderful cooking she was raised on in Virginia. Her old-fashioned, traditional recipes are in her new book, *The Taste of Country Cooking*.

By Edna Lewis



EMERICK BRONSON

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A super-efficient kitchen that has everything

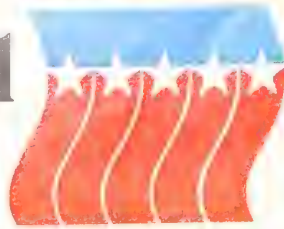
A kitchen remodeled for quick and easy cooking for a crowd, plus recipes for James Beard's fish stew, cioppino, and a simple new French bread.

DAVID MASSEY



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We've been getting ready for the Bicentennial since 1865

Summer parties with a light touch

Light in taste, light in calories—3 summer parties plus quick slim-down appetizers from Helen Corbitt

American cook and author Helen Corbitt has been creating food to lose weight by for years, as food consultant to the Greenhouse Spa in Texas, and in her many books, including *Helen Corbitt Cooks for Books* and *Helen Corbitt Cooks for Company* (Houghton Mifflin). She is often asked for party food that's tempting, delicious, yet light and low in calories. Here are her ideas for summer parties that will please our guests' palates without adding to their waistlines.

SUNDAY BRUNCH

Bowl of apricot nectar with scoops of lemon ice
 Breast of chicken sautéed with chanterelles flamed with cognac*
 Thin slices of French bread spread with mashed avocado
 Potpourri: pickled eggs, minted tomato quarters, marinated grated radishes and artichoke hearts, celery filled with farmer's cheese, diced clams
 Lots of coffee, hot and iced

CHICKEN SAUTE WITH CHANTERELLES

45 calories per serving)
 Chanterelles, a variety of forest mushroom, are imported from France and available canned in gourmet food shops.

Ingredients

chicken breasts, boned
 1 cup whipped margarine or butter
 1 clove garlic
 1 teaspoon paprika
 1/2 cup beef consommé
 1/2 cup cognac
 1 10-ounce can chanterelles, washed and dried
 salt, pepper
 chopped parsley

Method

Wash and dry chicken. Slice meat in 1-inch slices. In a large heavy skillet melt the margarine, add the garlic, paprika, and the chicken. Sauté until light brown. Add the consommé and deglaze

the pan. In a small saucepan, heat the cognac and ignite. Add to chicken and continue cooking until chicken is tender, about 10 minutes. Remove chicken to a heated platter.

To the liquid left in the pan, add the chanterelles and add salt and pepper to taste. Heat thoroughly and pour over chicken.

Sprinkle with chopped parsley and serve. It is a good buffet dish, as it holds well in a chafing dish. Serves 6.

DINNER

Broiled mountain trout, red and green pepper sauce*
 Horseradish mousse*
 Stir-fried slivered fresh vegetables*
 Fresh fruits spilled over ice cubes with slivers of preserved or crystallized ginger

BROILED MOUNTAIN TROUT, RED AND GREEN PEPPER SAUCE

(240 calories per serving)

Ingredients

2 1 1/2 -2-pound trout
 oil
 4 stalks celery
 4 slices onion
 few sprigs parsley
 4 pieces carrot
 salt
 1 green pepper
 1 sweet red pepper
 boiling water
 1/4 cup whipped butter or margarine
 1 bunch scallions
 1 lemon

Method

Clean, wash, and dry trout. Rub lightly with oil (if you like the flavor of olive oil, use it). Put stalks of celery and onion slices on a piece of aluminum foil and lay fish on top. Place on baking tray.

Put parsley and carrots inside

trout. Sprinkle with salt.

Bake uncovered in a preheated 350° oven for 15 to 20 minutes. Run under broiler to crisp.

Cut peppers in matchstick strips. Drop in boiling water for 1 minute. Drain.

Place fish on warm serving platter. Sprinkle with peppers and melted butter (or omit if counting calories). Decorate with scallion brushes and lemon. Serves 4.

HORSERADISH MOUSSE

(373 calories total)

Ingredients

2 cups low-calorie cottage cheese
 1 tablespoon onion, grated
 3 tablespoons horseradish sauce
 1/4 cup skim milk
 1 tablespoon gelatin dissolved in 1/4 cup cold water
 few drops of Tabasco sauce
 salt, pepper

Method

Put the cheese, onion, and horseradish in a blender and whip until soft and smooth.

Heat the milk in a small saucepan; add the gelatin. When thoroughly dissolved, add to cheese mixture. Add Tabasco sauce, salt, pepper; pour into an attractively shaped pint mold and refrigerate. Makes 1 pint.

STIR-FRIED SLIVERED VEGETABLES

(35 calories per 1/2-cup serving)

Ingredients

1 tablespoon peanut or vegetable oil
 1/2 cup carrots, slivered
 1/2 cup celery, slivered
 1 medium zucchini, thinly sliced on the bias
 2 tablespoons chicken broth or water
 1/4 pound snow peas
 salt, pepper

Continued on page 102



Helen Corbitt cooks for a party

LOW CALORIE HORS D'OEUVRES

Small raw mushrooms filled with mashed Roquefort and cottage cheese

Celery brushes filled with mashed marinated fresh salmon and caviar.

One-inch cucumber boats filled with diced tomatoes, celery, and capers

Cherry tomatoes split and filled with tiny shrimp

Small tomatoes scooped out and filled with cheese soufflé

Jacima scooped out, filled with Jacima fingers

Jellied poached eggs with truffles

Tomato baskets filled with tiny shrimp

A kitchen that has



everything

A super-efficient remodeling for a family that cooks: Everyone pitches in to turn out a full dinner in half an hour

Recipe for quick and easy cooking when there's a crowd: Take a big kitchen space and remodel it from scratch, with a big refrigerator and freezer, microwave oven, and a restaurant-style cooking wall. Knead in a marble bread-making slab for the children, pop in an old-fashioned popcorn machine for the man of the family, and top it with a restaurant-style soda fountain.

"We wanted a large, very functional kitchen that was easy to work in, keep clean—and fun—a place where several family projects could go on at once," said Mrs. Sullivan. "Why not use restaurant equipment?" said her husband. Architect Peter Rooke-Ley—himself an enthusiastic cook—with the help of the Bastian-Blessing Company, designed a 13-foot-long stainless steel cooking wall, left, for them from Wells restaurant supply units: a griddle, six-burner stove, two deep-fat frying baskets, and a barbecue grill, all with recessed controls at the front. Framing the cooking wall, the stainless steel refrigerator and freezer (Mrs. Sullivan's super time-saver: "I shop only every two or three weeks, buying whole sides of meat and canned goods by the case."), three wall ovens (one a microwave), and, tucked in at the end, an insulated cheese and fruit "cellar" cooled by a vent made from an old window, designed by Peter Rooke-Ley.

Also on the left aisle, a maple butcherblock work counter with sink, trash compactor, two cubbyholes with roll-up doors for small appliances, plus pull-out shelves for pots and pans under almost everything. In the foreground, the soda fountain, also custom-designed from restaurant-supply units: Bastian-Blessing ice cream compartments, dipper well, and bar sink.

On the right side of the right aisle is the clean-up sink and dishwasher, bread-making slab, and, opposite, tableware storage. On the far wall, a shelf for cookbooks and a desk that's used mostly for children's homework and drawing. The dining area hosts most of the entertaining and all meals but Sunday dinner. Overhead, downlights on a dimmer set the table-for-eight off in its own "light nook."

DAVID MASSEY

AT THE COOKING WALL, Mrs. Sullivan makes squash fritters as Danny, 11, and Erin, 4, assist.





AT THE MARBLE BREAD-MAKING SLAB, Mike and Sean knead French bread dough for today's lunch.

OLD-FASHIONED POPCORN MAKER is Mr. Sullivan's "toy." Add it to the soda fountain: an instant party. From left: Meg, 8, Erin, 4, Sean, 6, Danny, 11, Mike, 10.



A kitchen super-equipped for a family of cooks

The Sullivan children learned to cook "just by watching and helping," says Mrs. Sullivan. "I like to spend as much time with them as possible, and somehow work becomes play when everyone joins in. Children love to cook, almost instinctively, and it's a shame to wait till they're nearly grown to show them how."

The children make their own dinner during weekdays (favorite fare: hamburgers and hot dogs, onion rings or French fries), plus breakfasts on weekends. They love to help their mother make weekend or company dinners, and they're mad about making bread, cookies, sweet rolls, and stollen. Danny and Mike assign recipe steps to the others. Sean and Erin like clean-up best of all—"It's water-play for them," says their mother. "The children wash and put away their own pots and tableware whenever they cook."

Sean's the biggest soda fountain experimenter. Mrs. Sullivan says, "We were surprised, but, after the first week, they stopped using the soda fountain and popcorn machine between meals. Now it's mostly an after-dinner or guest thing."

When the children first laid eyes on the remodeling, with all the hanging plants, they were awe-struck. Except Sean, who piped up, "It looks like a jungle, and tomorrow we're going to get a monkey."

The original kitchen, typically 1910 and planned for a staff, was hemmed in with three butler's pantries, a back porch, and en-

tryway. Peter Rooke-Ley opened up the five rooms into one, sandblasted down to the original brick interior walls, added casement windows on a second and third wall. Oak and Douglas fir are used throughout—for cabinets, random-length floorboards, and "herringboned" ceiling and coffered lighting canopy that gives the 12-foot-high space a more intimate scale. For easy care, the nonbricked walls were enameled white, and all wood but the butcherblock painted with plastic sealer. The interior design was by Ann Rooke-Ley and Maria Quinn of Rooke-Ley•Quinn Associates.

Except for the cooking counter, soda fountain, popcorn machine (cinema-style), and a restaurant fan, all appliances are home models. Many do triple duty: Stainless steel sink at food preparation counter has hot-water dispenser, chopping board; other at clean-up and children's counter has water fountain and is used for flower-arranging as well. Invisible helpers: a ventilation duct over the cooking counter with washable filters, powered by a hidden restaurant fan, an intercom, and a central music system. And, to make the whole house more comfortable for people, plants, and furniture, an automatic humidifier is built into the furnace.

Sub-Zero refrigerator and freezer, Thermador ovens, KitchenAid dishwasher, Whirlpool trash compactor, Elkay sinks. Lighter lighting fixtures. Shopping information, page 140.

CUSTOM COOKING COUNTER has griddle, stove, 2 deep-fat frying baskets, barbecue. **FOUR OVENS**, one a microwave, one a warming one, plus cheese "cellar," children's desk. **CLEAN-UP COUNTER:** dishwasher, sink with water fountain, marble slab, coffee brewer.

PORTUGUESE TILES make a bright, colorful backsplash. **DINING TABLE** with Mies van der Roer chairs. Archway belonged to original kitchen. **BUTCHERBLOCK** work counter: rolls up, doors hide appliances, shelves slide out beneath. **Off right:** sink, trash compactor.

Pickling and preserving Southern style

Watermelon-rind pickles, pear preserves, brandied peaches, and other ways to keep summer on the kitchen shelf all year-round

By Edna Lewis

BRANDIED PEACHES

Preparing peaches in my Aunt Ny's day was quite a task. First all, peaches were deliciously wet and covered with a kind of oil or fur. To prepare them for pickling, she would drop the peaches for a few minutes into a pot of boiling hot water containing a small quantity of lye—it helped to remove the fuzz from the peaches. After a minute or two, she would quickly dip them out and rub them with a clean, coarse cloth, removing the fur and some of the skin. Then she would wash them in cold water and dry them. She placed them in a stone jar, alternating layers of brown sugar and peaches until the jar was filled. Finally, she poured old brandy over them and tied the jar over with a strong, clean cloth and left them to age until needed. She served the peaches with thin slices of her famous yellow vanilla pound cake, something she usually kept on hand on the sideboard. Sometimes she served brandied peaches as an accompaniment to meat dishes, especially ham and corned beef.

If you live in an area where the water is highly chlorinated, use distilled water to get the best flavor out of the fruit you are preserving.

Ingredients

3 pounds light brown sugar (not Brownulated)
3 cups bottled water
3 pounds select peaches (sound, without blemishes, and flavorful)
1 quart brandy

Method

Put the sugar and water in a large stainless pot. Let set until the sugar has dissolved, then cook gently for 10 minutes.

Wash the peaches and rub them dry, removing any fur. Add the peaches, unpeeled, to the kettle

of sugar syrup. Cook until tender when pierced with a pointed toothpick, about 30 minutes over low heat. Do not overcook. Remove from heat. With a slotted spoon, remove the peaches from the syrup and place them on a platter in a single layer. Return the syrup to the heat and cook until the syrup is reduced by 1/3. Add an equal amount of good brandy to the syrup, heat thoroughly, and add the peaches (discard the syrup left on the platter).

When the peaches and syrup are hot but not boiling, fill 8 1-quart sterilized, hot jars with the peaches and pour over enough syrup to cover the peach at the top of the jar. Try to gently press the top peaches under the shoulder of the jar and fill within a fraction of the top. Wipe the top rim of the jar before placing the rubber ring on it. Set jars in a draft-free place until cool. Store in a cool, dark place. Makes 8 quarts.

GARDEN STRAWBERRY PRESERVES

Ingredients

3 cups strawberries, well washed and hulled
2 1/2 cups sugar
paraffin

Method

In a bowl, crush the berries slightly with a clean, odorless, wooden pestle or a strong ceramic mug. Add the berries to a nonaluminum saucepan and set over low heat.

Heat the sugar either in a double boiler or in a dish in the oven, being careful not to brown it, but making sure it becomes very hot (about 10 minutes in a 350° oven).

Pour the hot sugar over the berries, turning the burner up while stirring the sugar around. The cooking should be as brisk as possible without scorching; it should take about 9 minutes in all.

Edna Lewis was brought up in Virginia in a farming community called Freetown, founded by her grandfather and other newly freed slaves. In her new book, *The Taste of Country Cooking* (Knopf), from which these recipes for pickling and preserving are taken, Mrs. Lewis reminisces on "the rituals of gardening, harvesting, preserving the harvest, and, every day, preparing delicious foods that seemed to celebrate the good things of each season." Now living in New York and working for the Museum of Natural History, Edna Lewis often returns to Virginia to relive old times with her family. "I realize that as we share again in gathering wild strawberries, canning, finding walnuts, picking persimmons, and making fruit cakes, how much the bond that held us had to do with food." This, combined with her awareness that the young people who are interested in natural farming today want to know how things were done in the past, has prompted her to share her own memories, recipes, and wisdom in this lovely new book.



As soon as the preserves begin to boil, skim off the scum with a wooden or silver spoon. It is much better to skim while it's rapidly boiling, because that seems to cause the scum to remain in a mass, and it's easy to dip it out without getting too much of the syrup.

After 9 minutes of rapid cooking, pour the preserves into 5 5-ounce sterilized, hot jars, filling to about 1/8 inch from the top. Cool. When cold, carefully melt paraffin and pour into the filled jars. When paraffin is cool, put on the lids and seal.

PEAR PRESERVES

At snack time we loved to use pear preserves as a filling for hot biscuits—or even cold ones. Its meaty texture and spicy clove flavor made it so appealing there was seldom any left once we'd opened a jar.

Ingredients

3 pounds pears, preferably Keifer, peeled, cored, and cut into 8 slices
2 1/2 pounds sugar
1/2 cup water
8 whole cloves (tied in clean cheesecloth)
paraffin

Method

Place pears in a 5-quart, wide-bottomed, nonmetallic pot. Sprinkle over with the sugar, add water and cloves, and set the pot over low heat until contents begin to simmer.

Continue to cook the pears gently for an hour. Remove them from the burner and leave to set overnight.

Next morning put the pears back on medium heat and cook gently until the syrup thickens and the pears turn a clear amber color, about 45 minutes.

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Pickling was part of mother's everyday work. She would set the pickles to cook after supper, leave them to marinate overnight, canning them the next day or the day after

PICKLING AND PRESERVING *continued from preceding page*

Remove cloves and fill 8-9 5-ounce sterilized, hot jars with the hot pear preserves to $\frac{1}{2}$ inch from the top. Then pour melted paraffin over the tops of the jars to fill them completely, and place lids on top. Store in a cool, dark place.

GREEN TOMATO PRESERVES

Our season for preserving garden products was brought to a close with two of the most exotic fruits: green tomatoes and a vine fruit known as citron. Our vines were loaded with tomatoes that had no chance of ripening in the cool weather of late September and had to be gathered early to avoid being bitten by the first early frost. Some of the green tomatoes were wrapped in tissue paper and stored in a cool, dark place on the dirt floor, then proudly presented at hog killing or Christmas; others were made into chow-chow pickles. But best of all, we liked green tomato preserves. Their taste on a hot biscuit is very much like that of mild honey. These were the preserves we liked to present when company came.

Ingredients

3 pounds uniform size (2-2 $\frac{1}{2}$ inches in diameter) round, firm green tomatoes, washed and dried

3 pounds sugar

2 slices lemon, $\frac{1}{4}$ inch thick paraffin

Method

Cut a slice off the stem end of each tomato making a flat, smooth surface, and slice away any blemishes. Then prick them in 4 or 5 places with a needle. Place the tomatoes in the preserving kettle (5 quarts), sprinkle with sugar, and leave to set overnight. By morning the sugar will have dissolved and there will be enough liquid to cook the tomatoes.

Add the lemon slices and set the kettle on medium heat. When the contents begin to simmer, lower the heat to keep the kettle at a steady, slow simmer for 1 hour. (By that time the tomatoes will have become quite transparent.) Remove from heat and leave to rest overnight.

In the morning set the kettle over high heat until it just begins to boil. With a slotted spoon lift the tomatoes one by one out of the

pot and place them in a bowl. Strain the syrup through cheesecloth or a stainless strainer, catching all of the loose seeds that fell out in the cooking. (There will be plenty more seeds in the tomatoes.)

Return the tomatoes and syrup to the kettle. Reheat the preserves to a simmer and pour them into sterilized jars. Pour over $\frac{1}{8}$ inch melted paraffin. When the paraffin cools, screw on tops, label, and place in a cool, dry place. Makes 8 $\frac{1}{2}$ pints.

GRAPE JELLY

In the fall, fox grapes reveal their presence by giving off a strong aroma of grape that permeates the woods along the streams where they grow. We knew from the aroma that they were ready for gathering. These wild grapes are excellent for jelly-making. Their flavor is sharp, and the jelly makes a perfect accompaniment to fresh pork and game. Mother always used it to fill a simple butter cake, which we called jelly layer cake.

Ingredients

1-2 gallons wild grapes

1 cup bottled water

3 cups sugar

paraffin

Method

Wash the grapes in 2 gallons of cold water and pick the grapes from the stems. Discard all blemished ones. Put a few grapes in a 5-quart nonmetallic kettle and mash with a wooden pestle. If possible, it is good to add some green grapes. Add bottled water. Add more grapes and crush until all are used up.

Set the kettle over medium heat to start cooking. Cook gently for 25-30 minutes. Remove from the heat and pour the grapes into a colander set over a bowl. Press the juice through with the pestle. Discard the pulp and pour the juice into a gallon glass jar. Let set overnight.

Measure out 3 cups of the juice into a preserving kettle. Be careful to leave behind the residue that settles to the bottom of the gallon jar. It is best to cook jelly in batches of 3 cups at a time. Add an equal amount of sugar that has been heated in a 350° oven for 10 minutes.

Set to cook over medium-high heat until the juice remains firm when dropped on a cold saucer, or try the spoon test: After cook-

ing for 15 minutes, insert a spoon into the boiling jelly. Lift the spoon above the kettle, holding it sideways. If the juice drops off by running into the center of the spoon, forming 2 drops, and the whole mass falls away in a sheet, it is ready to pour into the jars, filling each $\frac{1}{4}$ inch from the top. When cool, melt some paraffin and pour $\frac{1}{8}$ inch into the jar. Leave to cool. When cool, screw tops on, label, and store. Makes 12 $\frac{1}{2}$ -pint jars.

WILD BLACKBERRY JELLY

Blackberry jelly is very simple to make because of the high pectin content of the berries. If the berries are bought in city markets and freshness is uncertain, use equal amounts of sugar and juice. The pectin content is higher in fresh-picked berries and less sugar is required.

Ingredients

1-2 gallons blackberries, picked over, well washed and drained

2 $\frac{1}{2}$ cups sugar

paraffin

Method

Put about 3 cups berries in a 5-quart nonaluminum pot, crushing them with a potato masher or pestle. Add the rest of the berries and set the kettle over medium heat. Bring to a boil, adjust the heat, and stir with a clean wooden spoon, making sure that the berries do not burn or stick. Cook slowly but thoroughly for 25-30 minutes, depending upon how many berries you are cooking. Stir them thoroughly while

they are cooking. Remove kettle from stove and cool a bit.

Mash the cooked berries and pour them through a coarse strainer into a bowl. Make a ball of unbleached muslin or linen napkins and pour the strained juice into it, then hang it off a hook that is arranged so the juice drips into a glass jar. Leave to drip overnight or until it is finished.

Heat the sugar for 10 minutes in a 350° oven, leaving the door ajar.

Measure out the juice and cook only 4 cups of it at a time; smaller batches will hasten the cooking. Put 4 cups juice into a wide saucepan and bring to a boil. While it is boiling, add the heated sugar and stir to prevent from caking. Cook rapidly for 15 minutes, then test for jelly point. This is important, because juice can cook beyond the stage at which it jells.

Pour into sterilized, hot jars and fill to $\frac{1}{8}$ inch from the top. Store in a draft-free place to cool. When cold, melt enough paraffin and pour over to fill the rest of the space in the jar. When paraffin becomes cold, cover and store in a cool, dry closet. Make 12 5-ounce jars.

SPICED SECKEL PEARS

Seckel pears were one of the earliest ripening pears, deliciously sweet and crisp; we used them principally to make a condiment of spiced pears. The size, firmness, and, of course, their flavor, as well as their attractive shape and color make them just right for preserving.



Many preserving recipes begin "take a big pot." This one, in stainless steel by Ekco Housewares has a vapor-seal rim; \$32.95. A canning-jar lifter with nonslip handles that hold hot jars securely; \$1.49. Stepped canning funnel fits wide-mouth and regular jars; 98¢. A skimmer \$1.39. Always helpful, a large spoon; \$2.50. All by Ekco. Wide-mouth canning jars with screw-on lids in pint, quart, and $\frac{1}{2}$ -gallon sizes; by Ball. All available from your local hardware stores.

g. Jars for preserving all spiced fruit and pickles should be glass with wire clamps to hold top in place. Because vinegar corrodes metal, glass or cork tops are the only safe sealers.

Ingredients

teaspoons whole cloves
pounds brown sugar (not Brownulated)
cups vinegar
pounds firm Seckel pears, washed and peeled, stems on

Method

In a large, nonaluminum saucepan place the cloves, brown sugar, and vinegar. Set over medium heat, bring to a gentle boil, and cook for 5 minutes. Add the pears to the syrup and simmer gently until tender when pierced with a sharp toothpick. Remove from heat and leave to set overnight.

The next morning, remove the pears, strain the syrup into a clean saucepan, heat to a boil. Return the pears to the syrup and boil briskly for 5 minutes.

Fill hot, sterilized jars with pears. When full, press the pears gently under the shoulder of the jar and fill the jar to the top with the syrup. Wipe the rim of the jar and seal. Cool in a draft-free place. Store in a dry, cool place. Makes 5 quart jars.

WATERMELON RIND PICKLES

During the melon season we enjoyed many afternoons tasting the different kinds of watermelons. Afterward we would carefully select the thickest rinds and prepare them for pickling. We also saved the seeds from the sweetest melons and put them out to dry as our seed for the next season's planting. The varieties we always planted were Jackson, Congo, and Tom Watson. They were very large melons and also very sweet.

Ingredients

1 large watermelon
1 tablespoon salt
1 teaspoon alum powder
1 gallon cold water
1/2 ounce Ceylon stick cinnamon
2 pieces dried ginger root
1 piece fresh ginger root, if available
2 blades mace
3 pounds sugar
4 cups cider vinegar
3 slices lemon with seeds removed

Method

Cut off the green outer skin of the watermelon and discard any pink flesh left inside because that becomes very tough when pickled. Cut the trimmed pieces

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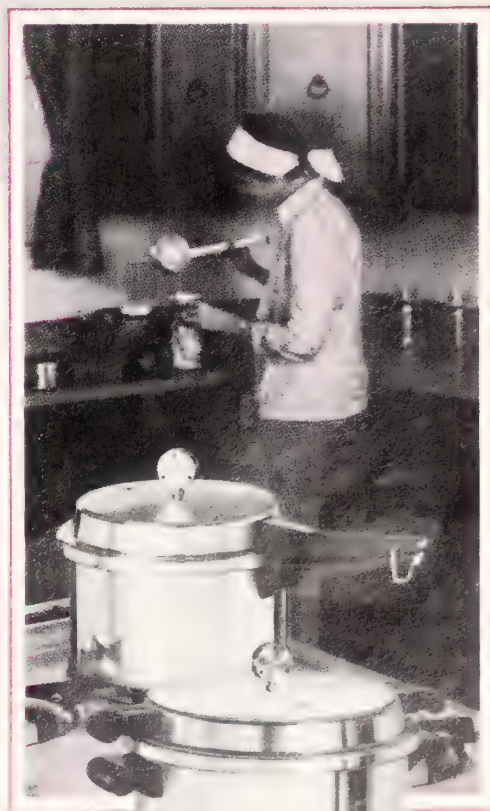
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American whiskey: In good spirits

William Rayner travels to Louisville and finds out everything you've always wanted to know about America's national drink.
He adds some great recipes for using it in cooking and drinking

There is something to be said about the brand of politeness that a visitor to Louisville, Kentucky encounters—it is more than an act of charm, it is the act of an extra effort. Taxi drivers scurry around to open the door, hostesses introduce you to all their guests, waiters clear a table you want in the corner rather than park you in front of the kitchen door, and makers of fine Bourbon, much of which comes from here, distill their products twice to remove impurities.

In this land of the extra effort, the three B's—blue grass, blue-blooded horses, and Bourbon each to some degree owes its unique quality to the limestone water found only here. For Bourbon, this water is essential. Use any other and you have a different whiskey. The deep limestone wells yield a 55°F. water all year long (some Louisville oldtimers claim that the limestone water comes from an underground river that starts around Toledo, Ohio and follows the Ohio River down to its conjunction with the Mississippi River—if so, it's around Louisville that the river gets a real working over). This water, when mixed with corn, is the basis of Kentucky "sippin' whiskey." Bourbon is, of course, our national drink, made according to strict specifications set down by an act of Congress. It must be made in the United States, must contain in excess of 51 percent corn, be at least 80 proof, be aged in new charred white oak barrels, and not to be distilled in over 160°F. There can be no additives such as coloring agents, artificial flavoring or neutral spirits. It is a completely natural product.

Though corn, the "big grain," must comprise 51 percent of the cereal used, in reality most distillers use 65 to 70 percent. The "small grains" are malt barley, rye, or wheat. They are ground with limestone water, and cooked in mashing tubs, where the malt barley converts the starches into sugar. The warm mash is then pumped into great cypress-wood fermenting tubs where yeast, "that prolific microorganism that gives us a racy appetite for swine," works and converts the

starches into alcohol. To these fermenting tubs are also added a portion of the distilling residue, "spent beer," from the previous run, which assures conformity. The fermented "beer" is then pumped into the top of a slender copper cylinder that looks remarkably like a three-story cigar, where jets of steam admitted from below meet the gentle malt cascade as it works its way down. The steam vaporizes the alcohol separating it from the other elements and rises off the top through an opening into a condenser, where the vapors return to a liquid state when cooled. The better Bourbons are distilled a second time—the extra effort. Each distillery then adjusts the proof to satisfy its own requirements by adding more water from the limestone wells. Then the whiskey is stored in deep, charred, 50-gallon, new white-oak barrels for a legal minimum of two years—but in almost all cases, this is at least four years. Barrels are stored on open racks in warehouses to which the federal government keeps the key and guard this key well they do, for distilled spirits yield some 5½ billion in federal taxes.

The kegs in which Bourbon is aged are made from white oak and may be used only one time. They are charred on the inside and the mingling of the spirits with the wood under char is what gives Bourbon its deep color and distinctive flavor. How this process was arrived at is the subject of many fables, the most commonly accepted being that a cooper while heating staves at an open fire in order to curve them properly accidentally caught some on fire. Being thrifty, or sloppy, the old man used them anyway and the resulting whiskey tasted so far superior to the rest of his product that he began charring all the barrels. Others followed, and now it is a standard practice. Once used, the kegs are recycled to the Caledonians, Canadians, and other purveyors of blended whiskey.

The proof of a whiskey is the strength by which distilled spirits are gauged—a measurement our forebears established by the simple rather dangerous procedure of

mixing their whiskey with gunpowder and lighting it. If the experiment blew up in their faces, the whiskey was too strong; if it fizzled out, too weak; but if it set off a steady burning blue flash, it was 100 percent right, or 100 proof. (In short, the proof is double the alcoholic content.) It was important to get it right, for early on we used whiskey as a medium of exchange. In Lexington, the church accepted donations in good "merchandiseable whiskey." Abe Lincoln's father took it as partial payment for his Knobs Creek farm, and our frontiersmen exchanged it for buffalo and beaver pelts.

In Louisville, they are still concerned about getting it right, and many of the families whose ancestors first started distilling spirits a hundred or more years ago are still at it. The Beams (Jim Beam), who started "mashing" about 1870, carry on. The Browns (Old Forester, Early Times), came on the scene in 1872 and still run their company. The Thompsons (Kentucky Tavern, Yellowstone), have been at their desks each morning since 1872, and the Samuels, who began making whiskey about 1840, still watch the still. Their singular brand, Maker's Mark, is unique and their tiny distillery set by a brook in the rolling hill country outside Loretto, Kentucky, has enormous charm. A slightly larger distillery (Old Fitzgerald), just outside Louisville, is surrounded by magnolia trees and until recently was owned by the Van Winkle clan, who have been brewing since the middle of the last century. I asked one practitioner how he accounted for generation after generation of children going into the business rather than wandering away from home like the rest of us do. "We are," he answered, "a paradoxical people who like to stay home and let our product wander. You know," he added, "the word 'paradox' was coined in Kentucky." I said that I did not know that and rather doubted the statement. To which he responded:

*"In the blue grass region
A paradox was born.
The corn was full of kernels
And the colonels full of corn."*

Amen, brother.

While commercial distilling was not practiced on a large scale until after the Civil War, the people who practiced the art came to Louisville just after the Whiskey Rebellion of 1794, when Hamilton thought to raise money by placing an excise tax on alcohol. Though neither the Rebellion nor the tax (at that time proved very successful, the Pennsylvania Scotch and Irish, who absorbed most of the punishment, moved to Kentucky—a more comfortable distance from the Capitol and any further inspirations must have.

Most of them ended up on the main street in Bardstown, 40 miles from today's downtown Louisville. A beautiful town, it has some of the best Federal architecture in the South, along with Stephen Foster's "Old Kentucky Home." Life must have been cozy with all the Beams, Browns, Samuels, Thompsons, and Van Winkles next door to each other, but the kissing cousins competed like tigers when they left their "live and love in our home town." It seems that they were forever putting tenpenny nails in the competitive brand, which turned it as black as ink and undrinkable, or garter snakes or some such thing when the barman was not looking. George Gavin Brown, the great-grandfather of the present chairman of Brown-Forman, blew the whistle on these practices by bottling, sealing, and labeling each unit of produce. He was the first on his block to do so.

Sad to report, the Father of our Country did not make Bourbon. He made rye, another of the 3 types of whiskeys that our government standard recognizes. Unfortunately, today rye is about as hard to find as a private still; only Old Overholt, Wild Turkey, and Mount Vernon are generally available.

Public taverns have always been and continue to be integral to American life. As far back as 1720, the general court of Massachusetts ordered each town to "present a man to be allowed to sell wine and strong water lest the public suffer from lack of accommodation." Patrick Henry made sure that his

the grass, blue-blooded horses, and Bourbon—each to some degree and their unique quality to limestone water

Virginia was not going to be either and chartered the open-for-business Talbert Tavern in Bardstown) where Andrewson, Henry Clay, Abe Lincoln, Louis Philippe—who would be king of France (an unlikely combination of clients), reappeared at one time or another. At that period, the “strong water” was good whiskey, as opposed to the dead whiskeys that appeared in this country. The difference between these two is simply that the straights are made from fermented grain mash distilled at less than 160 proof; the blends are composed of at least 20 percent by volume of 100 proof straight whiskey and, separately or in combination, whiskey or neutral spirits—resulting combination must be less than 80 proof. Neutral spirits in turn are grain mashes distilled over 190 proof, which eliminates all discernible traces of whiskey aroma and flavor. There are blended Bourbons and blended whiskeys, containing at least 51 percent 100 proof straight Bourbon or rye. While the straights argue that rye spirits are the unadulterated product of nature and time and therefore the “real thing,” the blends maintain that they are the chefs of the trade, who subtly combine ingredients to create a better taste of superior uniformity. (In Seagram's No. 1, a Canadian blend, the chefs combine 120 different ingredients to make their brew.) At one point, polemics between the makers of the straights and the blends got so hot that a president of the United States, William Howard Taft, had to step in to arbitrate a decision as to whether blends could bear on their labels the word “imitation.” He ruled that the straights and blends were real whiskeys and that blends should be branded imitations. Thanks to this monumental decision, we can now reveal that different as the products might taste, National Distillers (Old Grand-Dad, Old Blended, Old Crow), Schenley (I.W. 1800), Seagrams (Four Roses, Old Blended, Hiram Walker (Imperial) all make whiskey. The Canadians make a whiskey too (Canadian Club, Seagram's V.O. and Crown Royal, and Windsor Supreme, Black Velvet bottled in the U.S.), and a very full-bodied, delicately flavored one it is. By their standards, it must be aged for two years, but in practice most Canadian whiskey is only a year old. The formula for their original drink is not specified by law, so the proportion of grain, the mashing process, and type of keg (cooperage) in which it is aged remain the distiller's secret.

Present-day American drinking habits have created a new direction in American whiskey. Because Americans seem to love to “mix” anything they can find in the larder with their whiskey (lemons, oranges, eggs, milk, tomatoes, consommé, tea, pineapple, butter), distillers have been obliging us with lighter whiskeys, such as Crow Light, QT, Galaxy, XL Xtra Light, and Mr. Boston Light, which have a less pronounced flavor.

Light whiskey may be camouflaged by its “mix,” but the aroma of Bourbon always remains a subtle part of the taste. Used properly, Bourbon will not dominate, permeate, or act the extrovert; neither will it be completely overshadowed—it is too proud a drink for that. After all, it comes from Kentucky where, as they say:

*Mountains tower the proudest
Thunder peals the loudest
The landscape is the grandest
And politics the damndest.*

They also have some first-rate cooks who know how best to use the native brew.

CREME KENTUCKY

Ingredients

½ cup granulated sugar
4 egg yolks
1¾ cups milk, scalded
1 teaspoon vanilla
1 tablespoon Bourbon

Method

Put the sugar in a saucepan and slowly add egg yolks, whisking for 2-3 minutes until mixture turns pale yellow, creamy, and thick enough to form a ribbon when it falls back into the pan.

Put the saucepan over low heat. Gradually add hot milk and stir until sauce thickens and coats a spoon. Do not boil. Remove from heat, cool for 2 minutes, and strain through a fine sieve.

Add vanilla and bourbon. Mix well. Cool in a pan of cold water until sauce reaches room temperature. Refrigerate until ready to serve. Serves 6.

COFFEE MOLD WITH BOURBON

Ingredients

1 pint heavy cream
4 tablespoons Nescafé
3 tablespoons granulated sugar
4 tablespoons Bourbon
butter

Method

Whip cream until stiff. Fold Nescafé, sugar, Bourbon into cream. Butter 4½-cup ring mold, add

cream. Freeze 2 hours. Unmold, serve. Serves 6.

RYE AND HONEY

Ingredients

1 teaspoon honey
2 ice cubes
twist of lemon
3 ounces rye

Method

Place honey in an Old-fashioned glass with ice and lemon peel. Add rye, muddle, and serve.

MINT JULEP

This is one of the classic Mint Juleps from Louisville.

Ingredients

1 teaspoon granulated sugar
1 teaspoon water
4 sprigs mint
crushed ice
2 jiggers Bourbon

Method

In a tumbler, preferably silver, dissolve the sugar in the water. Bruise 3 sprigs of mint and add to tumbler. Fill ¾ full with crushed ice and add Bourbon.

Trim the ends of the last mint sprig and stand up in ice. Cool in the refrigerator until tumbler becomes frosted.

OLD-FASHIONED

This drink was first made in the Pendennis Club in Louisville where a bartender added Angostura bitters to a sugar-sweetened Bourbon and water, then got carried away by adding a slice of orange and a maraschino cherry. In any case, prepared properly, it is a marvelous drink.

Ingredients

1 lump sugar
dash Angostura bitters
2 drops cold water
2 ice cubes
2 ounces Bourbon
slice of orange
maraschino cherry
twist of lemon peel

Method

Place sugar in an Old-fashioned glass with the bitters and water and muddle until sugar is dissolved. Add ice and Bourbon, stir, garnish with orange and cherry. Twist in lemon peel.

The Shin Warmer.

Chairs like this one sat beside many a Colonial hearth. For reasons much more practical than aesthetic. With their low seats and high backs, they were ideal for tucking Colonial knees up under Colonial chins, and basking in the warmth of the fire. The Shin Warmer, is adapted from that Colonial chair. It's a special solid cherry Bicentennial edition. With a kit for making a "Tree of Promise" needlepoint cushion cover. See it at your furniture dealer's. (Or send us the coupon.) The Shin Warmer. It saw your ancestors through many a long, cold winter. It can give your home a nice, warm feeling, too.

Dear American Drew: I'm enclosing \$1.00. Please send me your catalogs of Colonial furniture, and more information about the Shin Warmer chair.

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**A company dinner table was studded with cut-glass dishes—
rounds of jade-green cucumber pickles, dark amber Seckel pears,
and pale green squares of transparent watermelon rind pickle**

PICKLING AND PRESERVING
continued from page 99

into 2-inch strips or 1½-inch squares. Rinse well.

Mix the salt and alum together with the water in a large pot, stirring until both are dissolved (the alum firms the rind). Add rind to soak overnight. In the morning, remove the rind and wash in cold water 2-3 times. Drain well.

Tie the cinnamon, ginger root, and mace in cheesecloth. Dissolve the sugar in the vinegar in a 5-quart, nonaluminum cooking pot. Add the spices and lemon and set over medium heat. Bring to a gentle boil and cook for 10 minutes.

Add the rind pieces. Bring to a gentle boil, and cook at a good simmer for 30 minutes. Remove from heat, discard spices, and let set overnight.

Reheat next morning to a gentle boil. When heated thoroughly (15 minutes), fill hot, sterilized jars with the pieces of rind. Boil syrup, then pour it over pickles, covering them with syrup.

Insert a dinner knife into each jar, pressing it against the pickles to release any air bubbles. Gently press the pickles under the shoulder of each jar. This will keep the pieces from floating to the top of the jar. See that the syrup is covering the pickles. Wipe the rim of the jar and seal. Cool in a draft-free place. Store in a dry, cool closet. Makes about 3½ quarts.

CUCUMBER PICKLES

In midsummer, mother would make a 25-gallon barrel of brine, using water and enough salt to float an egg (a test of the strength of the brine). The barrel was placed in a cool, shady spot. Every morning while the dew was still on the vines, mother would pick the medium-sized cucumbers with some of the stem left on and drop them into the brine. She repeated that until the vines stopped bearing. The brine was covered with a thick layer of grape leaves from the arbor. In early October she would begin making pickles. This continued late into the fall. Our pickling cucumbers were about 3½ inches in length, rather bumpy, with light and dark green

streaks running the length of the cucumber. The garden variety can be found in some markets in fall.

Ingredients

- ½ cup salt
- 2 gallons cold water
- 6 pounds cucumbers, washed, dried, cut in ¾ inch thick rounds
- ½ tablespoon alum powder
- 1 quart cider vinegar
- 2 pounds granulated sugar
- 1 pound light brown sugar (not Brownulated)
- 1 3-inch stick Ceylon cinnamon
- 1 2-inch piece fresh ginger root
- 3 tablespoons mixed pickling spice

Method

Make the brine by bringing a gallon of water to a full boil, adding the salt. Stir well, remove from heat and cool.

Drop cucumbers into the cold brine and leave to set overnight. Next morning, remove the cucumbers, wash them in a pan of cold water, and place on a dry, clean towel.

While the cucumbers are draining, bring the second gallon of water to a boil, add alum, stir well, and plunge all the cucumbers into the boiling water. See that all of the pieces are touched by the hot water. Remove from the heat and leave in the alum-water for an hour. Remove, plunge into cold water, and rinse well. Place on a clean towel to drain.

Put the vinegar, white and brown sugar in a large stainless or enamel pan. (We always line our 5-quart cooking pan with clean grape leaves before adding the cucumbers; if you can find unsprayed grape leaves, I recommend doing it this way.) Tie spices in cheesecloth and add to pot. Bring the mixture to a boil and cook for 15 minutes. Add the cucumbers and cook steadily, but gently, for 45 minutes. Remove from the heat and set in an out-of-the-way spot until the next day.

Drain the juice from the pickles and boil it for 15 minutes. Remove spices, and add cucumbers. Heat very hot, cooking the cucumbers no more than 3-4 minutes.

Fill hot, sterilized jars with the cucumbers first, then add the

syrup. When the syrup has filled the jar up to the shoulder, take a table knife and insert it into the jar to release any air bubbles. Take the back of a wooden spoon and lightly press the pieces of pickle under the shoulder of the jar, then fill the rest of the jar with the syrup. Seal. Cool in a draft-free spot. When cold, store in a clean, dry place to age. Makes 7 1-pint jars.

DAMSON PRESERVES

The damson tree was one of the most popular in our orchard; more fuss was made over the tree than the preserves. It was a prolific bearer of hundreds of small plums, the shape of birds' eggs, of intense navy-blue with a purple tinge. Damson preserves have a tangy and distinctive flavor, especially when preserved with their pits intact, and are particularly good with all kinds of meat. If you watch carefully, you'll find damsons still available in the market for a short period in late September. Get them when they first appear, while they are new and high in pectin count, and preserve them quickly—any delay will cause the fruit to dry out and lose its tangy flavor.

Ingredients

- 3 pounds sound, blemish-free, damson plums, washed and drained
- 2½ pounds sugar
- paraffin

Method

Prick each plum a few times with a stout needle. Place the damsons in a 5-quart enamel kettle, sprinkle over with the sugar, and leave overnight.

In the morning set the kettle over medium heat, bring to a simmer, and cook until the plums are tender and the syrup has become thick. (Cook only until the fruit is tender and the syrup is a clear, wine-plum color. If the syrup turns brown, it is overcooked.) Remove the preserves from the heat and leave to rest overnight.

The next morning heat the preserves until just hot and pour into sterilized jars, filling them to ¼ inch from the top. Pour on ½ inch melted paraffin. When the paraffin cools and sets, screw on tops and place in a cool, dry place. Makes 6 5-ounce jars. ■

SUMMER PARTIES
continued from page 91

Method

Put oil in a wok or skillet and bring it to high heat. Add carrot and stir-fry 1 minute. Add celeriac and zucchini and stir 1 minute. Add chicken broth or water and cover. Cook 30 seconds. Add snow peas, cover, and cook 30 seconds more. Season with salt and pepper, stir, and serve at once. Serves 6.

INFORMAL DINNER

- Chilled minted pea soup*
- Rare tenderloin of beef with mushrooms and artichoke hearts*
- White turnip pudding*
- Feathered fennel salad
- Pineapple ice on sliced peaches with puréed strawberries

MINTED PEA SOUP

(45 calories, demitasse serving)

Ingredients

- 1 teaspoon whipped margarine
- ¼ cup onion, chopped
- 1½ cups seasoned chicken broth
- 2 cups frozen peas
- 2 outside lettuce leaves, iceberg or romaine
- ¼ cup parsley sprigs
- 2 sprigs fresh mints, or more
- 1 cup skim milk
- chopped mint, chives, or grated orange zest for garnish

Method

Melt margarine in a saucepan. Add onions and ½ cup chicken broth and cook over medium heat until onions are soft. Add peas, lettuce, parsley, and mint. Cover and cook 2 minutes. Add remaining broth and bring to a boil. Remove and cool.

Put soup in a blender or a Cuisinart food processor and blend until smooth. Add milk. Chill well in refrigerator. Serve garnished with chopped mint, chives, or grated orange zest. Serves 6. Can be served hot.

BEEF TENDERLOIN

(225 calories, 2-ounce serving)

Ingredients

- 1 3-4 pound tenderloin of beef, trimmed
- salt, pepper
- 1 onion, sliced
- ¼ cup beef consommé
- 6 large mushrooms, sliced
- 3 artichoke hearts, fresh or canned
- 1 tablespoon fresh green peppercorns
- chopped parsley

rod

beef with the salt and pep- Place beef on top of onion s in a roasting pan. Roast in eheated 450° oven 25 min- for medium rare. Remove and place on platter. Keep n. Add consommé to roast- pan and deglaze pan over heat. Add mushrooms and k in the basting juices for 3 utes only. Slice artichoke ts and heat in basting juices warmed through. Add green bercorns.

beef on bias and pour pan es over. Sprinkle with pars- Serves 12-14.

WHITE TURNIP PUDDING

(37 calories per serving)

Ingredients

8 medium white turnips, peeled and sliced
2 tablespoons onion, chopped
½ cup skim milk
salt, pepper
2 egg whites, beaten stiff
butter

Method

Cook the turnips and onion in a steamer or in boiling water

until tender; be sure not to over- cook the turnips. Drain, whip thoroughly in a blender. In a large saucepan heat the milk and add whipped turnips. Cook until milk is absorbed. Cool.

Add salt and pepper to taste to turnips and fold into the egg whites.

Pour into a lightly buttered cas- serole and bake at 350° until puffed and lightly browned.

Or omit egg whites and serve sprinkled with chopped parsley or chives. Serves 6. ■

American painting

inued from page 88

hen James knew are likely to e convictions, and to hold to a strongly. But in all else, ry James got it right, and John er Sargent got it right, too— down to the gracefully ef- d look of the husband who got into the painting as if by sight.

he best American paintings are of people having a good time. the best American paintings? not quite: but enough of them us to spot the long line of sheer yment, which runs from Wil- Sidney Mount's *Eel Sparring antucket* and *Dancing on the n Floor* to George Caleb Bing- i's *Jolly Flatboatman in Port* to slow Homer's *Long Branch, v Jersey* and Thomas Eakins's *Schmitt in a Single Scull*. Of rse there are very good Ameri- pictures that don't fit into this gory at all—above all, perhaps, ost the entire output of Edward per and some grim and famous ges from the 1920s and 30s. ould the American art of own day be worth talking ut if it took no note of the ded self as it has been made iliar to us by R. D. Laing. lip Pearlstein, Alfred Leslie, ce Neel, and David Levine in small painted portraits are r Americans who have thought g and hard about what it is to be a human being in the '0s. But as it is with the Ameri- character, so it is with Ameri- painting: between Memorial y and Labor Day there steals r many a robust nature a kind amnesty, during which dark ights are set aside.

Alex Katz is a painter who re- nds to that period of amnesty h a particular fullness of feel- . He is a poet of the far white , the overlaid canoe, the clear brow open to the sun. A t collective well-being per- ates his paintings, and it is a ll-being, which allows of no ex- tions. The old and the young,

the active and the indolent, the instinctive and the disciplined—all benefit by it. Nobody gets jeal- ous, nobody loses his temper, no- body has to stay home and do the dishes while everyone else is on the beach. Katz is very good at summer ways, summer costumes, summer conversation, and summer surprises. A painting like his *Sum- mer Picnic* is in its way a portrait of paradise: or perhaps we should say that it is how the *Peaceable Kingdom* of Edward Hicks would look if it were transferred from

the animal to the human sphere. The scene that Alex Katz presents to us is one in which the only possible misfortune on the horizon is that the brand-name Bourbon is down to its last inch. It could be sentimental, but somehow it isn't. (For one thing, the observa- tion is too crisp.) As happened in the Edward Hicks and again in the John Singer Sargent, something important about America has been set down once and for all and our craving for identification is to that extent assured. ■

Columbus

continued from page 83

The renewal area also includes a new post office, designed by Kevin Roche and John Dinkeloo. But the area is not by a long chalk entirely new. Washington Street itself is much as it used to be, the turn-of-the-century shop fronts brightened with paint (a color scheme of pastels designed by Alexander Girard), the total vista improved with added canopies and refined signs. Mr. Miller himself has an office in a remodeled 1881 bank building used by his great-grandfather.

There's no doubt, though, that urban renewal has promoted a competitive spirit among local business people to put up top-quality buildings. A case in point is the local newspaper, *The Republic*, whose new headquarters, a glass pavilion by Skidmore, Owings & Merrill, received an A.I.A. award last year. "We could have certainly created a suitable newspaper building for less cost," reflects the editor Mr. Stewart Huffman, "but there is a high standard of architecture, a feeling, a concern for putting up something that is attractive. You can't justify it from an economic point of view. The commitment in this town is to the quality of life."

And the quality is constantly improved, with Mr. and Mrs. Miller continually adding icing to the cake from their personal funds.

The great Henry Moore sculpture outside the Pei Library is one of their gifts; so is the series of scul- ptured horses by Nivola around a tree in one of the school grounds. They invited and joined others in contributing to new landscaping by Dan Kiley to link a number of the modern buildings.

It would be foolish to pretend that the development in Colum- bus is totally without critics. There are murmurs that the open cor- ridor education system isn't disci- plined enough, that some children encouraged to learn to read at their own speed never read at all. The town's insistence on orderli- ness on every level recently led to the closing of an attractive and un- conventional antique shop on the site of the first gas station in town. Said the owners: "We were told we couldn't have merchandise out- side the shop because it looked messy. We needed that display to attract business." A merchant of men's clothes on Main Street ob- jected to his shop being painted pink. But he did get his hearing— and a more suitable color.

But overall, the changes receive enormous approval. And more are in the works. Delapidated city hall is a current focus of atten- tion. So is the old power house down by the river, which is being adapted into a senior citizens center. Like all the other buildings, it will be a demonstration of how Columbus builds and thinks in human terms. ■



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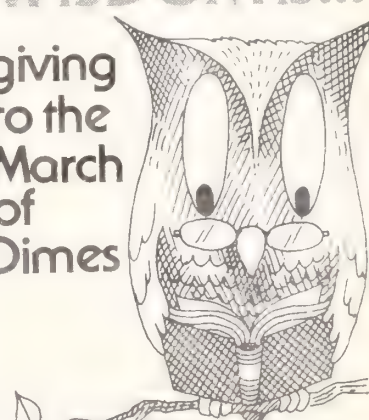
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THIS SCALE CONTRIBUTED BY THE PUBLISHER

Innovative school curriculums

Dr. Robert McCabe
Executive Vice-President,
Miami-Dade
Community College



Dr. Robert McCabe, executive vice-president of Miami-Dade Community College in Miami, Florida, sees community colleges as the most vital part of education in the United States today. Over the past 15 years he has watched his institution grow to become the number one community college in the country, covering four campuses with a cast of 100,000 students every year.

There are many things that can keep a person from getting an education—age, language, physical disability, poverty, a family, or a full-time job—but Miami-Dade doesn't believe in barriers. Outreach, a project spread over 317 physical locations within and outside the college's four campuses, has brought courses in volunteer and job skills to the aged and

the retarded. Courses in humanities and English/Spanish are helping "Little Havana" (Miami's Spanish-speaking sector) break into the American educational system.

Open College, a part of Outreach that's geared to full-time employees or mothers who wish to upgrade their skills or acquire new skills, brings full-credit television courses to the home. These television series, such as *The*

Ascent of Man, Dr. Jacob Bronowski's anthology on mankind's achievements in science, living, and the arts, can also be viewed in campus audio-visual centers at any time. Businessmen, for example, can use lunch hours for course work. Students mail weekly miniquizzes to a computer, which sends back a letter rating their work. A final examination is taken on campus at the end of the

semester.

The 100 universities that have bought the Open College series from Miami-Dade have helped defray the costs of an otherwise expensive program, and Dr. McCabe, with a generosity reminiscent of Robin Hood, sees that these profits are handed down to the student: Tuition fees are \$12 per credit. The rest is reinvested in new programs . . . in more education for the people.

College for the community

Dr. Thelma Harms
Frank Porter Child
Development Center,
University of
North Carolina

For 20 years, Dr. Harms has been teaching and observing young children—how they learn, how they approach school materials, their reactions to adults and peers. She has also been teaching teachers.

At the Harold A. Jones Child Study Center in Berkeley, beginning in 1959, Dr. Harms taught 4-year-olds in an innovative curriculum of her own. As teachers came to observe her classes and ask questions, she started giving workshops throughout the state to parents and teachers.

She noticed that teachers who value school skills (reading, writing, etc.) highly, tend

to leave creativity out of the classroom, and teachers who encourage creativity underestimate skills. As a result, few classrooms provide the range of learning experiences that children need.

Dr. Harms tries to get teachers to take a broader approach: to focus not only on a child's learning, but on his or her physical, social, and emotional development. Her check list, "Evaluating Setting For Learning," helps teachers broaden their scope. It is broken down into 4 areas: physical environment (the room arrangement), interpersonal environment (how



JO SANDERS

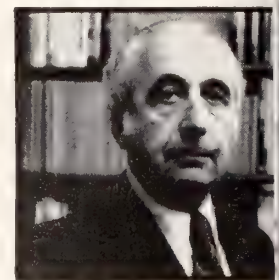
children relate to each other and the teacher); activities to enhance development; time schedule. When teachers want to improve a classroom, Dr. Harms notes, they generally start with changes in activities and the schedule. But these often won't succeed unless the physical and interpersonal environments are changed, too. For example, she says, a classroom setting can give children "contradictory messages. The teacher may be trying to prevent running and sliding, while the large, slick expanse of floor invites it."

At the Frank Porter Graham Child Development Center at the University of North Carolina, Dr. Harms heads a program under a Carnegie grant for the development of early childhood curriculum. It will emphasize educating the whole child—both in creativity and in learning skills.

One-man anti-crime force

Aaron Kohn
Director, New Orleans
Metropolitan
Crime Commission

There is a disturbing, deeply rooted security corruption," says Aaron Kohn, the 65-year-old former man who has headed Orleans's Metropolitan Crime Commission since 1971. Kohn's mission these last years has been to uproot corruption, to "bring the tem of checks and balance work." In that quest he has been slapped with libel and slander suits ("We won't



INDUSTRIAL PHOTOGRAPHY

all"), thrown into jail ("for disclosing our sources"), called lots of names. But, district attorneys around country, he has done much to keep the city honest. "Kohn is often a Don Quixote," an attorney said, "but his work is very, very good. He's one of a million."

New Orleans's nonpro

Transportation

Transit marketing

Thompson Nooner
General Manager,
Central Ohio
Transit Authority



The best advertisement for a product is the product itself. And transit is a product," claims Thompson Nooner, 51, who started the nation's first transit market-research program in Cleveland in 1971. "We go a step further than the planning agencies," he explains. "We go directly to the riders and find out what their needs are,

where they want to go and how often. The demands we find are usually quite different than what you'd expect using normal planning techniques. And by making the program more responsive, we are making it more viable."

Since Nooner left private industry to develop this program, at least 150 transit marketing directors have been hired in cities around the country. The national transit trade organization, APTA (American Public Transit Association), has developed its own marketing division. And the Urban Mass Transportation Administration sponsored a 3-day seminar last summer on market research in transit systems. Nooner's road has led him to the Central Ohio Transit Authority, where, as general manager, he has seen ridership increase 10 percent since 1973, although the fare has remained the same.

Redesigning mass transit

Carl Sharpe
Assistant Director,
Rice Center for Community
Design and Research

Montreal's attractive subway system is made even more attractive by the office buildings, movie theatres, shopping malls, and hotels that have risen around the transit stops. Architect and practical theorist Carl Sharpe, 33, calls such effective land use "value capture." As assistant director of the



WILLIAM R. BLACKWELL

Rice Center for Community Design and Research in Houston, he is working with the cities of Los Angeles, Louisville, Chicago, and Houston to make sure they too can capture the most value from their growing transit lines.

"The development of mass transit will be as important as the Interstate Highway System," he says. "But it shouldn't be happenstance. There should be joint development, a combination of public and private interests." Toward this end, Sharpe is evaluating the social, legal, economic, and design aspects of such development and is working with the Urban Mass Transportation Administration to evolve effective policies. His book, *A Value Capture Policy*, is available through National Technical Information Services in Springfield, Va. (\$17), and a new volume, meant for public distribution, is on the way.

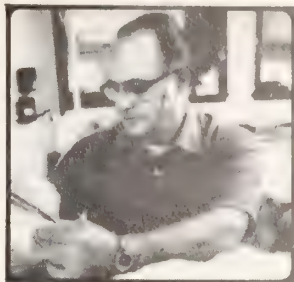
Music for hinterland

continued from page 65

Syracuse Symphony's union contract allows it to be split up into ensembles of various sizes, which helps solve the demand problem. It can be several places at once. Its eight ensembles include a small orchestra, Baroque group, a string quartet, and a rock ensemble. Keene tries to saturate the area with music instead of doing one-night stands. In towns a long distance from Syracuse, the whole orchestra spends several days presenting a variety of music—concert music with the small orchestra one night, the full symphony playing classical music the next, ensemble and lecture demonstrations around the town during the day, as well as a heavy schedule of school visits. Community halls and high school auditoriums

te/political corruption

vernmental Crime Com-
n was established in
in reaction to disclo-
of the Kefauver Com-
n about organized
in Louisiana. For much
time since, Kohn has
d alone, investigating
ocumenting evidence of
otion and organized
, bringing his findings to
ublic eye, working with
epartment of Justice's
ized Crime Strike Force
n last year presented
with its first nongovern-
l public-service award).
n is no longer going it
Public backing of the
mission has grown so in
years that the MCC's
of trustees was able to
nt Kohn with a profes-
assistant this spring.



a petition calling for tax re-
form and circulated it around
the state. A half a million
signatures and four years
later, Bob Loitz runs the Ohio
Tea (for Tax Equity in Amer-
ica) Party and is chairman of
the National Committee for
Tax Justice, a coalition of
some 20 professional and
local tax reform groups, most
of them spin-offs from his
original organization. It was in
part through the efforts of the
NCTJ that the oil depletion
allowance was terminated in
the 1975 tax rebate bill.

"There aren't enough fed-
eral issues to keep us busy
year-round," Loitz says. "But
the local group stays together
working on things that are
with us every day: property
tax issues, sales and state
income tax problems, utility
reform." The group runs edu-
cational sessions, writes let-
ters, and lobbies for causes
such as closing up preferen-
tial tax loopholes. And though,
Loitz admits, "I didn't call for
all the right things in that first
petition, I've learned a lot.
We're calling for them now."

alization

rt Loitz
man,
nal Committee
ax Justice

Loitz runs an upholstery
shop in Akron, Ohio. Four
ago he was a griper,
ed with tax injustices,
ated with his congress-
polite replies to steam-
letters of protest. "I
ed a point where I had
ake a decision," he re-
"And I decided I'd had
gh." So he put together

Culture

mmmed for these events.
joy that our music-
ng brings people more
compensates for the
of getting to them,"
Keene.

yn meeting
nued from page 65

government officials,
nmentalists, farmers,
small businessmen came
discuss the future of their
To stimulate discussion
provide a wider frame of
ence, people from the
anities field came, too—
rians, a philosopher, a
lage expert, political
tists, sociologists, natu-
s. It was a town meeting
rts, expanded.
orge Greenbank, a young
enter, builder, and com-
ty activist in Telluride,
eived the idea and got
ant from the Colorado
anities Program, funded

by the National Endowment
for the Humanities. Presenta-
tions in the Opera House were
followed by small informal
discussion groups. Talk fo-
cused on such issues as how
much development and indus-
try southwestern Colo-
rado can absorb, regional pri-
orities, the values of people
in the area, how these values
are changing, and how they
influence state policy. "The
rendezvous makes people
realize many of us have the
same concerns," he says.

Colorado Plateau Rendez-
vous II will take place June
12-14 this year in the tiny
town of Dunton. Dr. Roger
Eldridge of Durango is this
year's organizer. Because
facilities are limited, it is be-
ing billed as an encampment,
with tents and sleeping bags
substituting for hotels. Dairy
farmers, housewives, clerks
will be represented on an
hour-long video tape that will
start the conference.



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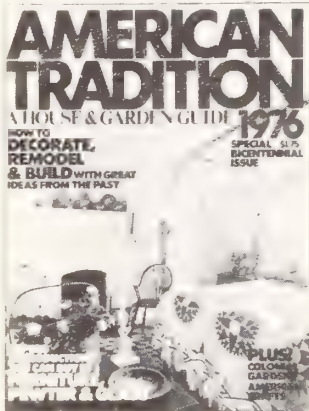
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BEAUTY AND HEALTH
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Where good looks and good health are concerned, it is surprising how some things never change. At the same time the opportunities for personal well-being and comfort offered by today's medical and cosmetic breakthroughs make even the simplest beauty routine a modern miracle. Take nutrition for example . . . *Beauty Checkers* at Henri Bendel is introducing **Bee Pollen from England**. Fresh bee pollen has been considered a special health food since ancient times; the vigorous people of the Urals and Caucasus in Russia (some live to be over 100), include it in their daily diet. This, combined with their rigorous outdoor life in the mountains, may help keep their energy and vitality at a peak for so long—who knows? It could also just be special genes. But if you're in the mood to experiment, the bee pollen is kept fresh for the first time in tablet form. In 30- and 90-day supplies, \$6 and \$12. Order through Henri Bendel, 10 West 57th St., New York, N.Y. 10019 . . . Leg makeup can enhance legs that aren't tanned for summer. Three shades—light, medium, or dark—come in a creamy formula that give legs an alternative to stockings in summer. **Natural Coverage Leg Makeup** in a 6-ounce tube, \$7.50 from *Ultima II* . . . The Summer Olympic Games this month in Montreal are just a skip and a jump northward. If you go, be sure to take care of your eyes; summer glare can be harmful while you squint at swimming relays. *Bausch & Lomb* have designed a **special set of sunglasses** to commemorate the Games and America's birthday. The frames are brilliantly colored in stripes of red/white/blue, or black/red/green, as well as solid black and combinations of yellow/orange. They have the 5-circle symbol of the Games at the edges, and Ray-Ban lenses in two strengths for normal or superfiltering of glare. From \$20 to \$25 a pair at fine eye-care specialists. . . . Consider the lowly toothbrush. It's indispensable. Yet what among our health and beauty tools could be more taken for granted? **Oral-B 35 Tooth-Gum Brush** is part of a new concept in dental care. It's

the health of the tooth must be maintained. This new brush is only smaller, to really clean around your mouth. It's made with more nylon bristles than standard brushes. It's

Young skin

continued from page 75

(4) **The fibrous tissue is improved.**

In sun-damaged skin, for instance, elastic fibrous tissue is laid down beneath the epidermis in excessive amounts—it is like leather, quite insoluble and stable. Vitamin A acid removes that abnormal deposition of elastic fiber, and we hope it may be replaced by newer, fresher tissue.

(5) **It stimulates the epidermis.** We think Vitamin A acid puffs up the top layer of skin a little bit, thus making it look fuller and smoother.

(6) **It has an anti-tumor effect.** Skin lesions or tumors, especially on the back of the hand, can be treated, and their appearance retarded, by Vitamin A acid."

Exciting? Dr. Kligman thinks so, but he emphasizes that its use for aging skin is still in the experimental stage. "Our next stage is to learn how to use it," he explains. "Up to now, we may have been too conservative. It has side effects, too. It produces redness and irritation, so you have to be prepared for that. But if it is used generously and enthusiastically, as kids with acne tend to use it,

it may pay off. At the moment the concentrations we are using are entirely empirical. We are just putting it on and watching. This is a preliminary report."

A preliminary report—but in spite of his caution, Dr. Kligman believes that if regarded in a sensible way, this drug may obtain cosmetically useful results even if it is not a restoration to youthful skin. What a Bicentennial present to American skin! ■

Health breakthroughs

continued from page 75

Lloyd Cotson, president of Neotrogena Corporation. "We are chemists." Many cosmetics are already drugs in a sense: Antiperspirants are meant to inhibit the production of sweat—they are called cosmetics, yet they have an obvious physiological effect. Dandruff preparations—also so-called cosmetics—influence the rate at which scales on the scalp are produced.

In the next few years, watch for more precise labeling; more accurate testing (such as is now taking place on hair colorings for instance), and for cosmetic products that more and more involve our whole bodies. ■

Reduction of crime

continued from page 64

judicial system—a juvenile court judge, police, a member of a rape task force, an FBI man, and a newspaper reporter—have come to class to discuss their work as part of a pilot course developed for Shamrock High School. Students have been enlisted to mark all students' property so that it may be traced if stolen.

Although the majority of crime victims are over the age of 12, according to a recent statistical study conducted in the DeKalb County area (which includes Atlanta), elementary school students are involved in the program as well. A block-parent project has been revitalized: A house with a special sign outside guarantees a safe haven for any child who feels threatened. To make this part of the program

stronger, block-parent chairmen are regularly given information by the police about crimes in the neighborhood. Underwood and Howard hope schools and parents will eventually be able to take over the entire program themselves.

Citizens treat coronaries

continued from page 64

administering CPR. In a normal coronary, there is a 98 percent chance of recovery if CPR has been started within one minute.

The program is a direct offshoot of Medic I, a course in CPR technique given by paramedics to the Seattle Fire Department. Medic I was so enthusiastically received by firemen and their wives that it was taken up by the department as a community program. ■

Manuscripts

House & Garden assumes no responsibility for unsolicited manuscripts, photographs, drawings, house plans, or uncommissioned material. Material submitted must be accompanied by return postage or a self-addressed, stamped envelope.

"I've always wanted to be stupendously successful. In the past four years I've had more success than I ever dreamed, even though I wanted it and worked all my life for it"

Gloria Vanderbilt
continued from page 79

nia, and we just knew—it was one of those shocks of recognition kind of things. You know, everything in life is timing. Marriage is certainly the most difficult of all relationships, but I do think the nice things outweigh the bad. Certainly don't, unless you can't live another moment without being married."

She has had four husbands; I have had two. Hers were Pat De Cicco, who was always called "the California lettuce heir," whom she married when she was 17; Leopold Stokowski, who was three times older and the father of her two elder boys; Sidney Lumet, the director; and Wyatt Cooper. I asked if she had kept her wedding rings. "Did you keep yours?" she asked, genuinely surprised. "Yes," I said. She thought, and then she thought a little more. "I kept two of them," she said. I didn't ask whose she had thrown away.

"I kept diaries when I was 17, 18, 19, and I destroyed them all when I was 25. Of course I immediately wished I hadn't. But I have twenty-five years' worth of engagement books now, which I keep as diaries." Suddenly, she leaned forward and said: "How do you feel about Anais Nin? I always wanted to meet her, and I did, and we became friends, but it is sometimes frustrating because one wants to pour it all out, but I find myself editing because I don't want to appear in her diary. I love to read—work is my job and reading is my relaxing. I'm reading Anne Lindbergh's new book right now, and one of my favorite books when I was 19 was Nancy Hale's *The Prodigal Women*. She asked me to read her biography of Mary Cassatt, and she asked me if I thought Mary Cassatt was a lesbian. I said I really think her relationships were like those hearty Boston women, you know? Not an active thing, just intense friendships. But then, all my friendships are with women, too, and I'm not a lesbian. I had a grandmother who was, well, really crazy and rather terribly hostile to men. So I had no male frame of reference. I was really *meant* to have girls.

I respect women much more than men. But the boys have really worked out better than I could have dreamed. I hope they will relate to women in a positive way."

There is a bedroom next to the studio, kept for friends and revisiting grown sons. It is done in a way that would shout "Gloria Vanderbilt" all around the world. Again I am surprised. In the photographs, her things look to me too busy, overlapping patterns and bibelots and *objets d'art*, and even perhaps a kind of terrible cuteness in the little log cabins and baby flowers. But, as an environment, it is warm and cozy and pleasing and interesting. There is a piece of furniture, which in Vermont we called a knickknack stand but in New York we call an *étagère*. On it are carefully arranged things, each one apparently known and loved by its mistress. "Look at this," she says, affectionately taking down a small wax pear which opens up to a little scene of the Virgin Mary. "The patterns and arrangements are coherent (I can't stand disorder), and most of all they make me smile." I love all her flowers. I have dreams now of having my entire house done with garlands by Gloria.

The Coopers' country house is by the sea and she does not have a real garden. "I do think," she says, "if I were not married I would still want to live in New York. But I dream of the country. I sold a house in Connecticut and it was a terrible mistake. I hope someday to find it again. And I have one image, in the south of France, with a garden, where I can go outside and pick flowers and put them in a vase and paint them."

Selling wallpaper, or china, or whatever can be just like selling a book. Gloria travels around the country, speaking to women about discovering their own creativity, encouraging women to develop confidence in their own esthetic tastes and impulses. She says, "I've had a tremendous response. I love traveling around the country. It is the most marvelous feedback. I get a real joy from knowing what I do is life-enhancing. People ask me lots of decorating questions and everybody's always adoring, and I love it."

She can count me among the adorers. ■



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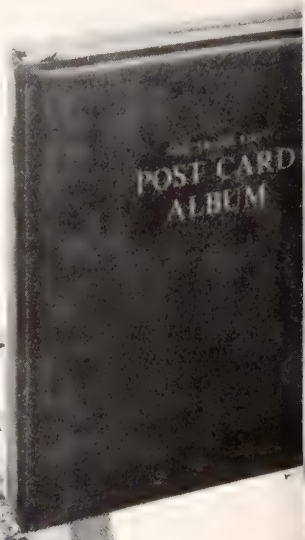
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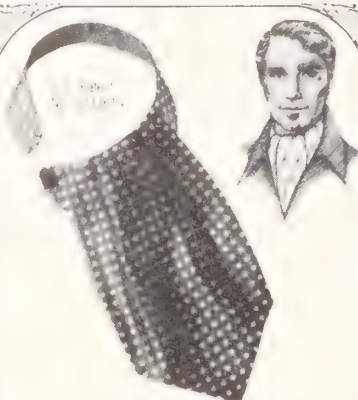


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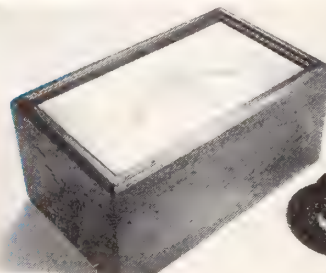
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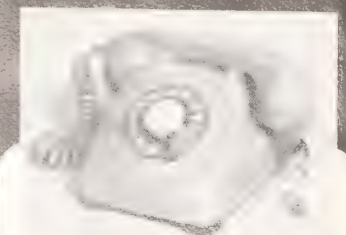


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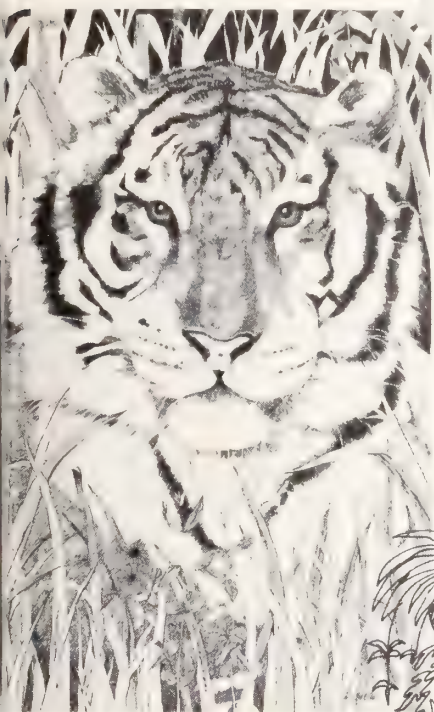
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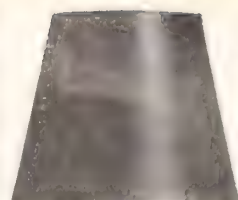
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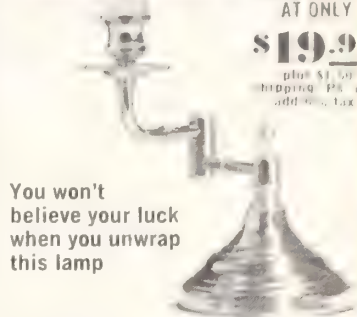


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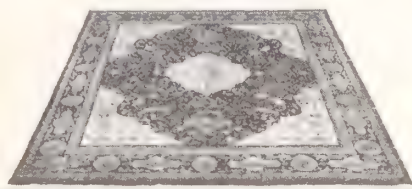
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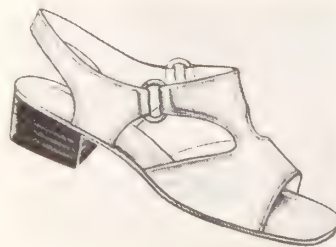
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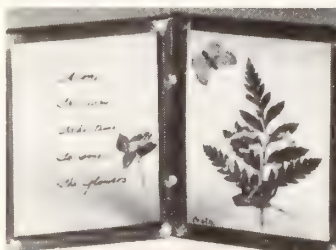
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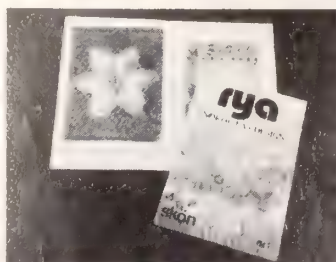
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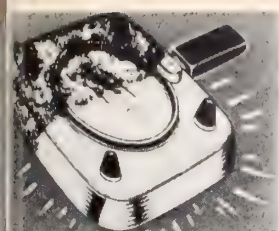
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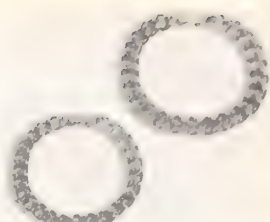
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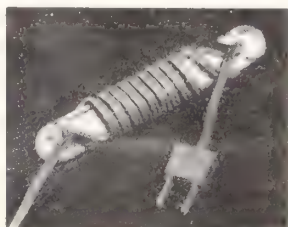
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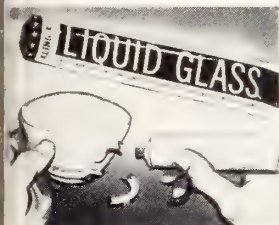
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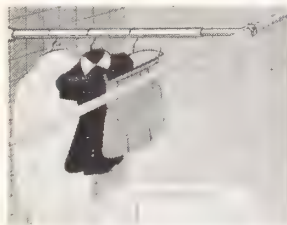
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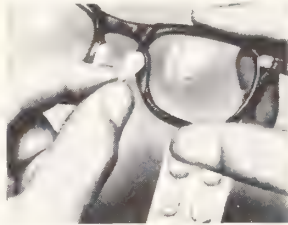
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Why risk infection? Unsightly hair can be trimmed easily and safely with "Klippette". Merely insert in nostril and twist knob. Hair is snipped off painlessly and neat. Fine surgical steel. Use it to remove hair from ears, too.

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TOO MANY "CHINS" SHOWING?

A trim chin is a sign of youthful beauty. Treat your chin to the luxury of a Hollywood Chin Band. Wear it while you sleep, read or watch TV. You'll be amazed at the results. Fine latex with adjustable headband for proper tension.

No. 755—Chin Band \$1.98
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END MISERY OF "TIGHT" SHOES

Get instant relief from pain and discomfort of tight fitting shoes! Works like a miracle on any leather—even suede. Makes leather stretch, loosens shoes to conform to your feet while you walk. Wonderful for corn & bunion sufferers.

No. 122—Shoe Stretch \$2.49
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Glamorous plastic mask stops breathing in of hair spray, keeps hair spray out of eyes, and leaves make-up untouched. Clear plastic lets you see what you're doing. Triangle shape forms a cone over your face.

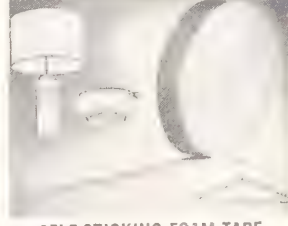
No. 181—Hair Spray Mask \$2.98
Mailing 60c



PROTECT EYES FROM GLARE

Enjoy comfortable vision in strong sunlight, while playing tennis, golfing, motoring, or walking. Adjustable dark green plastic shield slips on your specs in a jiffy. Gives added protection to sun glasses.

No. 184—Sport Visor \$2.98
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Marvelous in a hundred different uses! Self-sticking. Stick it to bottom of lamps, clocks, bookshelves, ash trays, around edge of vacuum cleaner, use it on clothes hangers (to prevent clothes from sliding). Order several rolls now.

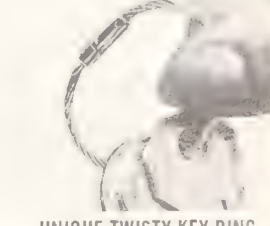
No. 175—Foam Tape \$1.29
Mailing 20c



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Page Magnifier is easy on the eyes. Hold 7x10" magnifier 4 or 5 inches from copy for more comfortable reading. The whole page is magnified at one time! Stop squinting at telephone numbers, dictionaries.

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72 x 72"	12.50	19.00

Add \$1.00 postage per shade

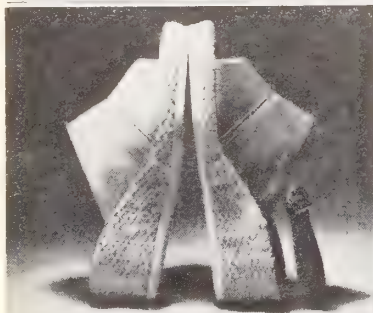
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Bicentennial-design belt buckle brass-plated with liberty bell and eagle raised motif. Snaps on to any belt, highlights your jeans in things in a spirited and eye catching way. 2 1/2" by 3 1/2" approx. \$5.99 plus 35c post. Holiday Gifts, Dept. 307-D, Wheat Ridge, CO 80033.



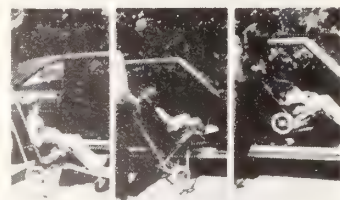
HOLE IN ONE

Egg piercer prevents pressure build-up in boiling eggs—they won't burst and puff out. Handy plastic device plunges needle easily into egg. Especially helpful at egg decorating time. \$1 plus 20c post. Anthony Enterprises, HG7, 556 Mission St. San Francisco, CA 94105.



WHO'S ZOO?

Watercolor animal alphabet spells names (specify) in bright colors. 9" x 12", matted, up to eight letters, \$5.95; more letters, each 50c. Entire alphabet, capitals or small letters matted, 14" x 18". \$12.95. Post. \$1.25. Laura's Loveables, Dept. HG776, Box 7381, Las Vegas, NV 89101.



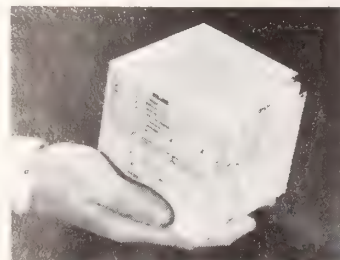
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Send a picture of your pet and we'll make a personalized dish for him or her. 4 1/2" x 6 1/2" size. \$3.99 each. \$4.99 for two. \$5.99 for three. \$6.99 for four. \$7.99 for five. \$8.99 for six. \$9.99 for seven. \$10.99 for eight. \$11.99 for nine. \$12.99 for ten.

Kitty \$3.99
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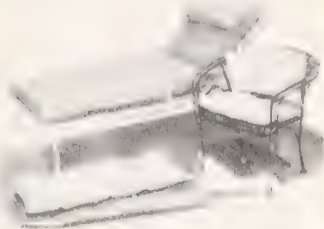
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Paws 'n Shop

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TO EACH HIS OWN

Top Georgetown tobacconist offers 16 exclusive tobacco blends, and 36 of world's finest hand-made cigar brands. 32-page catalogue includes master chart of cigar shapes, brands, 50c. Georgetown Tobacco & Pipe Stores, HG7, 3144 M St., N.W., Washington, DC 20007.



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Purse-sized 4" long, gold finish whistle emits a piercing shriek to frighten any would-be assailant. Aerosol operates the whistle; just press down and out comes the scary shriek. \$2.98 plus 30c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



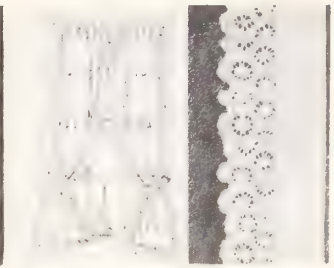
A SHOE-IN

Leather Wedgie with walking comfort and open-toed cool. The Edna in camel, bone, black, white, navy and brown, low 1" wedgie heel. 4 to 10, \$18.95. 10 1/2 to 12, \$19.95. For widths AAAA to EE. Add \$1 post., 25c each add'l. pair. Solby Bayes, HG7, 45 Winter St., Boston, MA 02108.



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Stitch n' Knit

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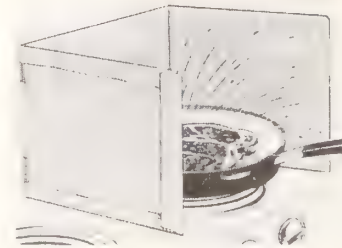
TWO-IN-ONE
Have the best of both worlds in a dramatic jumpsuit that combines the swing of palazzo pants with a caftan top. Acetate jersey front has zipper, front tie; washable S(10-12), M(14-16), L(18-20). \$11.99; Sizes XL(40-44), \$12.99. Add \$1 post. Lana Lobell, Dept. M-2245, Hanover, PA 17331.



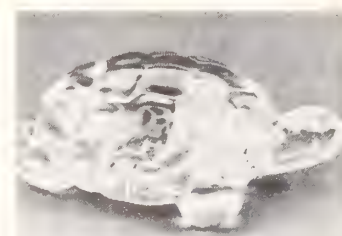
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Easy-care tennis dress of Qiana jersey has mood of Bicentennial. White with stars of blue, stripes of red and navy. Lovely outfit to give you a great look, and give a big lift to your playing spirit. Sizes 5/6 to 15/16. \$22 plus \$1.75 post. Tennis Circle, HG7, Box 1333, Oak Brook, IL 60521.



SOLID BRASS BEAUTY
Chesapeake oil lamp looks just like its Colonial original. Hand distressed patina, cased glass opal globes, distressed fruitwood base. 14" tall. UL approved. Authentic adaptation is of jeweler's quality. \$29.95 plus \$1.50 post. Robelier, HG 7, Box 183, Villanova, PA 19085.



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Cooks love the efficient work of a pure aluminum splatter shield that protects against flying frying spouts, mixing bowl batter. Three hinged panels, 9" h., fold flat for storage. \$2.98 plus 50c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



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Exquisite carving of turtle in solid crystal brings out every shell marking. Signed by Tyko, its Swedish artist-designer. A lovely addition to your coffee table or curio cabinet. Length 3¾" head to tail. \$11.98 plus 95c post. Ferry House, HG7, Briarcliff Manor, NY 10510.



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Sleep is king night or day that you don the mask: shuts out any flicker of light that could disturb the psyche, the body's rest. Fabric and elastic band's so constructed that it fits any cranium. \$2.98 plus 25c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



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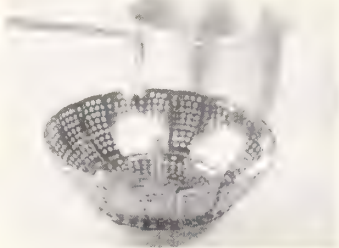
PLANT ROOTER

Hang a hand-blown glass mouse in a window or set on table. Fill with water, add cuttings. Also available as an apple, kangaroo, penguin, rooster, and (for hanging only) a strawberry. (approx. 6" by 3"). Each \$4.95 plus \$1 post. The Glass Apple, HG7, 7 Vine St., Manchester, MA 01944.



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Swedish hand rollers of hardwood ash. Help to shape your figure patting to reduce bulky areas of legs, arms, buttocks and stomach. Help to shape your figure the way you want it. \$5.98 plus \$1.19 post. Catalogue 50c. House of Minnel, Dept. 5 76E, Deerpath Rd., Batavia, IL 60510.



MOVABLE FEAST

Drop-leaf cart with laminated maple hardwood butcher block top; 26" x 18" with leaves down; 48" x 18", leaves up. 34" h. Butcher block lower shelf. Flat black steel frame, \$145, chrome, \$155. Exp. coll. Catalogue 50c. Butcher Block and More, HG7, 1600 So. Clinton, Chicago, IL 60616.



MINI BATHROOM

Complete set, white porcelain with brass faucets and pipes. The footed bathtub is 5" long. The water-closet toilet is 5" high, has a movable seat and a pull chain. Washbowl 2½" high. #9829. Play gift. \$8.75 plus 50c post. Downs & Co., Dept. 1407-Z, Evanston, IL 60204



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Dexter hand machine can baste, tack, zigzag, sew on buttons and zippers. Blind-stitches hem what you're wearing. Does draperies and curtains while they're hanging. With needle threader, booklet. \$6.98 plus 75c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



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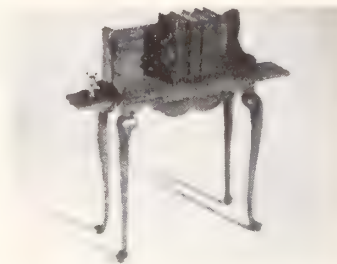
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Let a sleeping dog lie beside bed, bath, hearth, or wherever you fancy a fluffy little rug. Pup is tan-with-brown nylon, has non-skid back. About 35" by 23". Machine-washable and dryable. \$9.98 plus 75c post. Lillian Vernon, G7E, 510 So. Fulton Ave., Mt. Vernon, NY 10550.



PINE BEAUTY

A graceful Queen Anne accent piece serves as a dainty book stand complete with pull-out candle holders. Light tone knotty pine (chips available). Measures 20" w. by 8½" d. by 26½" h. \$102 exp. coll. Catalogue, \$1. Ephraim Marsh, Dept. 427, Box 266, Concord, NC 28025.



PLATING RENEWAL

Deposit new silver on copper, brass or bronze where original plating has worn away. Silver Plus polishes sterling but it does not deposit new silver on sterling pieces. 4 oz. bottle. \$5.98 plus 65c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



HEAVY CANVAS TOTE

One piece, double bottom. Navy, red, avocado, yellow, sand, natural, brown. 12" x 9", \$8.75 plus \$1.15 post.; 12" x 14", \$11. plus \$1.25 post.; 18" x 14", \$13 plus \$1.35 post. (add 90c w. of Miss.). Catalogue free. Port Canvas Co., HG7, Dock Sq., Kennebunkport, ME 04046.



DECORATING PLANS

Three-dimensional room planning kit; Styrene forms representing over 150 different pieces of furniture scaled ½" to a foot. Arrange up to three rooms on graph paper equivalent to 27' by 44', walls, windows, doors. \$8.98 ppd. Plan-It Kit, Inc., HG 7, Box 429, Westport, CT 06880.



FAMILY PROTECTION

About time to think about making a will to protect the family. "Wills—How to Make and How to Break Them" is written by an attorney. Personal history and asset sheet and four will forms incl. \$2.98 plus 40c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



FREEDOM IN FLIGHT

"American Bald Eagle" in fully sculptured bas relief is hand-painted, full color, matte finish, on 10" sky-blue porcelain plate. Stamped artist Gunther Granget name, date (5000 pcs.) \$100; matte gold on blue (200) \$200. Ppd. Trein's, HG7, 201 W. 1st, Dixon, IL 61021.

Merry-Go-Round Photo Album

Display treasured photos with just a flip of the wrist. Plastic and metal album keeps 160 favorites in 3½x5" clear vinyl pockets. Turn side knobs and pictures flip easily for viewing. Album holds up to 500 photos with refills. Refill has 16 pockets, holds 32 photos. Ppd.

5152-6—Photo Album \$9.95
5168-6—Photo Refills each, \$1.39

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Miles Kimball

97 Band St., Oshkosh, WI 54901



**macramé
wall hanging**

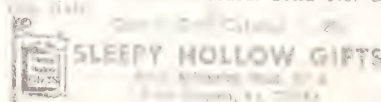
Completes this dramatically beautiful 48" x 13" wall hanging using only 3 simple knots. All you need is this jute twine, dowel, hoop, stones are beads, and you are on your way to step instructions. Only \$14.95 ppd. Send \$1.00 for order payable to Tumbleweed. Dept. HG7, Box 2000, Waukesha, Wis. 53186.



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MI-TIE HANGER

At home and away with its beautiful hand-rubbed finish, complemented with brass hook and cross bar. Plastic removable and washable. The original size is designed for wide ties. 6", 25 tie size \$7.95 • 10", 45 tie size \$10.10 • 16", 75 tie size \$12.25. Charge to MasterCard, VISA, American Express, Discover, or BankAmericard. Send No. & Name to Dept. HG7, Box 2000, Waukesha, Wis. 53186.



SLEEPY HOLLOW GIFTS

SHOPPING AROUND

RICH CLADDAGH RING

Peace-friendship symbol. Gold: ladies', 18k \$64; 14k \$44; 9k \$27.70; men's, 18k \$108; 14k \$68; 9k \$44; child's, 9k \$17.65. Sterling silver: ladies', \$6.80; men's, \$7.75; child's, \$6.40. Ppd. (Give size.) Brochure \$1. Stephen Faller, HGE-7, Industrial Estate, Mervue, Galway, Ireland.



RATTAN IN COLORS

Decorative swag-lamp with hand-woven rattan shade, adjustable 16-ft. chain and hanging hooks. Electrified; with dimmer. Natural, \$17.95 plus \$2 post. Add \$3 for white, grn., pink, blue, yellow, orange, blk. Catalogue 25c. Fran's Basket House, HG7, Rt. 10, Succasunna, NJ 07876.



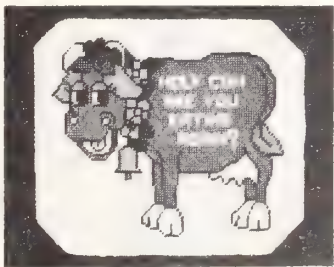
COUNTRY HOMESPUN

Osnaburg curtains in unbleached coarse-featured cotton. 70" w. pr.; tiebacks. Cape Cod ruffle. Good with antiques or folk art. Hand washable. 30" \$5.50; 36" \$5.75; 45" \$6.50; 54" \$7.50; 63" \$8; val. \$3.25. Add \$1.75 post. Mather's, HG7, 31 E. Main St., Westminster, MD 21157.



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Ready to work in needlepoint and hang wherever the urge to nibble is tempting. 7½" by 9" design on canvas. Persian wools, needle, backing, magnets, instructions. \$5.95 plus 60c post. 8" by 10" oak frame, \$2.25. Classic Corner, 12H Water St., Bryn Mawr, PA 19010.



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Swimmies can give a feeling of confidence to beginners while strokes are being taught. Made of quality vinyl, will support anyone up to 150 pounds. Slip tubes around arms, and inflate to capacity. \$4.95 ppd. D & H Co., Dept. D, King Ridge Rd., New London, NH 03257.



TO NEEDLEPOINT

Send color or b/w photo to be rendered on canvas by artist. Kit: color directions, wool (or embroidery). 10" by 14" \$24.95; 14" by 18" \$34.95; 18" by 22" \$39.95; extra subjects \$15. Add \$2 post. Needlepoint Portraits Ltd., Studio A7, 20 Nassau St., Princeton, NJ 08540.



UNIQUE GIFTS

Original custom watercolor art Ready for framing 9" x 12" matted 8 letters \$5.95 each, additional letters 50c. Entire alphabet available, 14" x 18" matted, specify capital or small letters. \$12.95. Matte colors — yellow, blue, pink, red, green, orange. Postage and handling \$1.25 for 3 pieces to the same address. Shipped within 72 hours of receipt. Send check or money order to: **Laura's Loveables**
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Heavenly ring! Pick from three fiery-faceted simulated gems in luxe 18-carat size! The swirly setting of 18K Heavy Gold Electroplate clasps its translucent sparkler in double prongs. American-crafted. Sizes 5-8.

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TAYLOR GIFTS
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CERAMIC TILES

GOD grant me the Serenity to accept the things I cannot change, Courage to change the things I can, and Wisdom to know the difference

SERENITY PRAYER

THE CLOCK OF LIFE

*The clock of life is ticking but slow
And we must have the power
To tell just when the hands will stop
At late or early hour
None is the only time you own
Live, love, toil with a will
Place no faith in "tomorrow" for
The clock may then be still*

CLOCK OF LIFE

*May you be in heaven
a half hour before
the Devil
knows you're dead.*

IRISH TOAST

*May the roads rise
with you,
And the wind be always
at your back;
And may the Lord hold
you in the hollow of his
hand.*

GAELIC ROAD

*An Irishman is never drunk
as long as he can hold on to
one blade of grass and not fall
off the face of the earth.*

IRISH TIPPLER

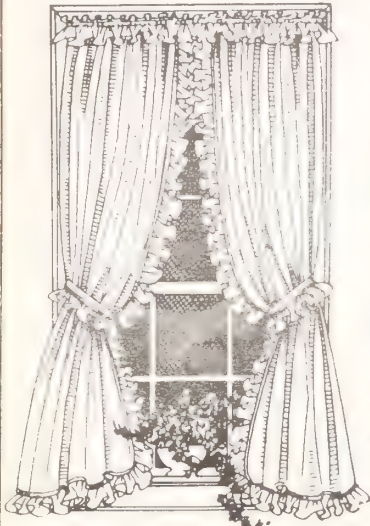
Colorful Ceramic Tiles used as wall plaques or trivets. Cork base with hanger, 6 x 6".
\$4.98 Each + 60c Mailing Each

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Natural or White



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30", 36", 40"	6.00 pr.	7.00 pr.

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45", 54", 63"	8.50 pr.	10.50 pr.
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VALANCE		
10" x 80"	3.00 ea.	3.50 ea.
78" wide per pair with 2" ruffle.		

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COUNTRY CURTAINS

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SHOPPING AROUND



SUNSPOT

Smart-looking thongs of genuine leather, bouncy cushioned insoles for breezing through summer. Instep straps adjust. White, brown, tan. Whole sizes 4-12. Med. width only. \$10.99 plus 90c post. Morgan's Cove, HG76, 28 W. Prospect St., East Brunswick, NJ 08816.



THE CONTINENTAL

Tray purse opens and closes in palm of your hand. Select and count change easily. Two compartments: one can hold bills or tickets and other coins. Brown leather. 3" by 3". \$2.98 plus 30c post. Order #700. Anihony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



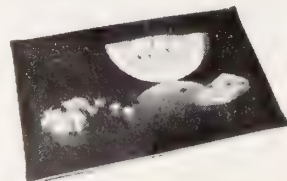
SECRET SPREAD REST

What a great idea! A caddy that hides beneath mattress of beds with low (or no) footboards. Slip it out at bedtime for a bedspread rack to simplify morning make-up. King, queen, double beds need two. \$7.83 ea.; two \$14.83. Add \$1.40 post. Garrett's HG7, Box 12274, Dallas, TX 75225.



FACE OF TIME

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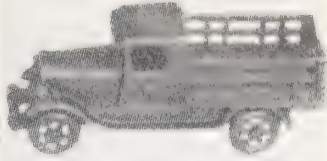
IMPRESSIVE ADMIRAL

Hand-tufted inside back, seat, arms. Brass nailhead trim. 37" h. by 28" w. Choice of fabrics, wood finishes. White naugahyde (shown) \$217; your fabric (six yds. 54") \$175. Exp. coll. Catalogue \$2, request free swatches. Hunt Galleries, HG767, Box 2324, Hickory, NC 28601.



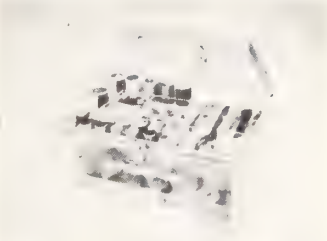
OLD TIMERS

Cast iron toy cars and trucks are made from early designs to delight youngsters and car buffs. Black vehicles roll on cast iron wheels and are 6" long. Sedan, coupe, truck, touring car. \$7.95 each plus 75c post. Buck Creek Traders, HG7, Box 489, Antlers, OK 74523.



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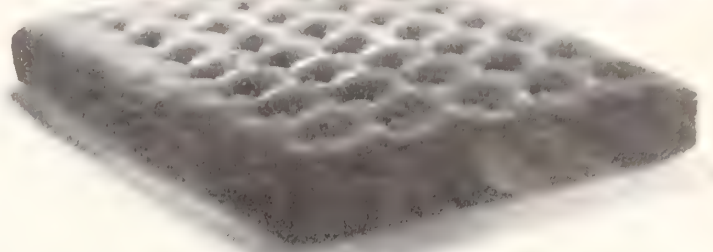


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Wet-and-dry measuring cup. For changing from wet to dry, just turn it over and use other end. For kitchens, laundry, formulas and bottles. Good pouring lip. Has a one- and two-cup bandings. \$1.55 plus 55c post. Seven Star Enterprises, HG7, 1315 W. Taper St., Long Beach, CA 90810.



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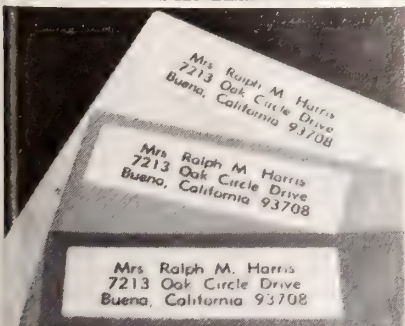
Pretty house plants get all the light they crave, while you and your neighbors enjoy the ever-changing display. Also great show-off shelves for a glass or china collection. Hooks securely on all double hung windows WITHOUT INSTALLATION. Baked white enamel; scrolled brackets support two 4" x 22" shelves. Order several and save.

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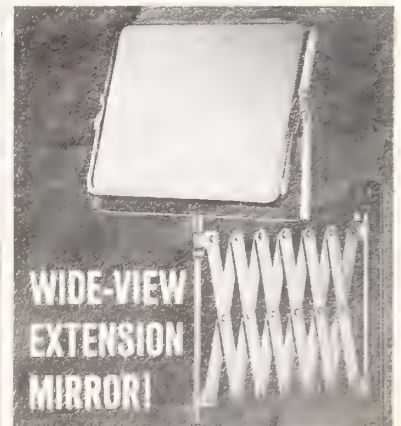
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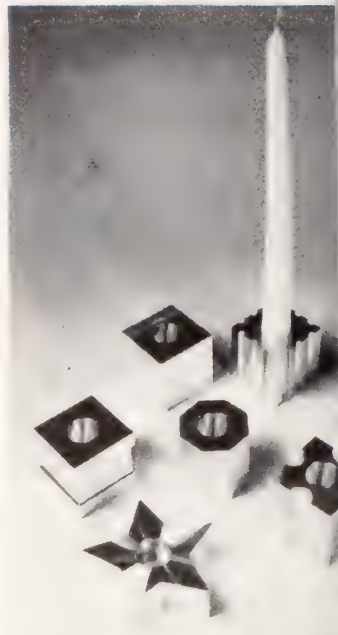
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The Bell that proclaims the Liberty of America and the symbols of freedom. The Bell that rings the Birth of a new Nation 200 years ago. The historical Liberty Bell and the 13 original States that proclaimed independence in 1776, each represented by a star with its name in it, are meticulously hand printed on the watch dial, with Paul Revere riding on a horse around the watch tirelessly once every 60 seconds! Amazingly low priced, \$19.95 plus 1.00 post. Catalog sheet available of 19 other Bicentennial designs for men and women.

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1776 1576

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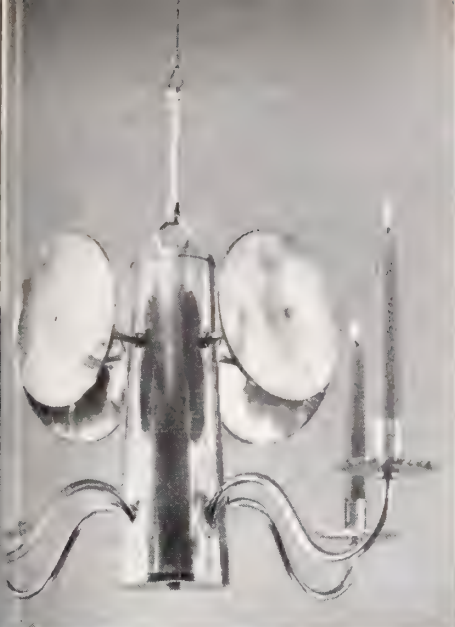
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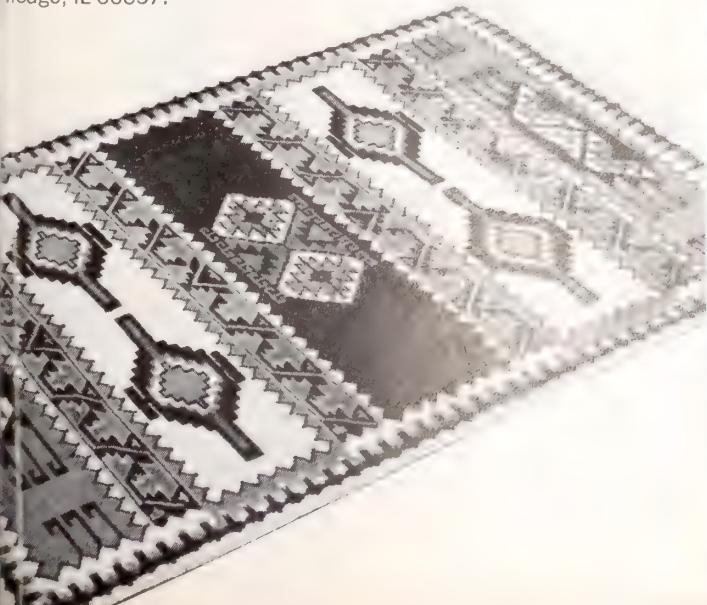


COMPATIBLE

Crisp polyester-and-cotton separates. Oxford cloth shirt with button-down collar: pink, white, yellow, blue. 8-16. \$18. Navy pocket initials, add \$3. (Underline last initial). Wrap skirt in navy denim. XS, S, M, L. \$24. Add \$1.75 post. Send for free catalogue. The Talbots, Dept. YU, Hingham, MA 02043.

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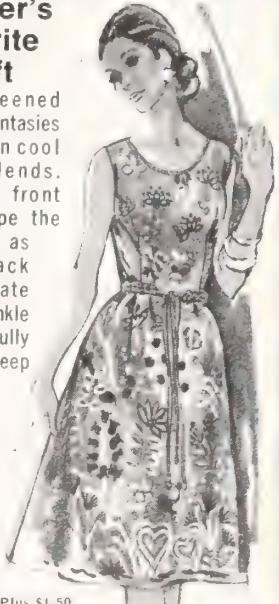
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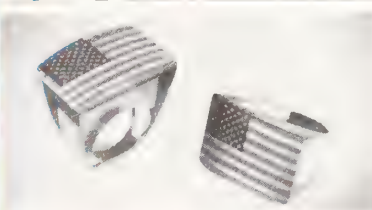


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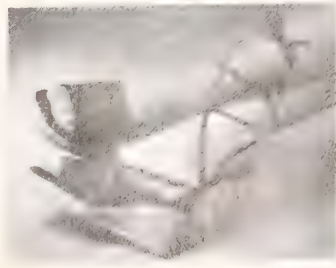
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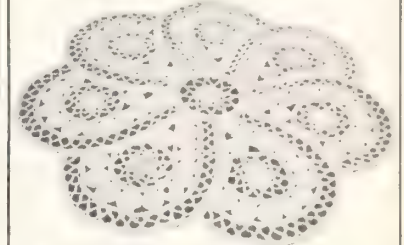
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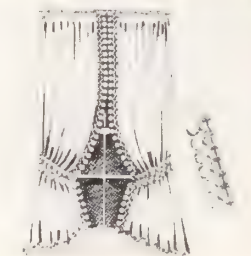
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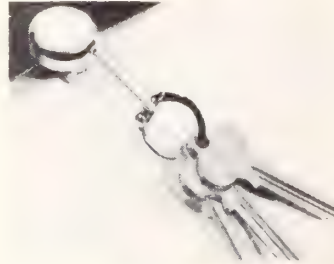
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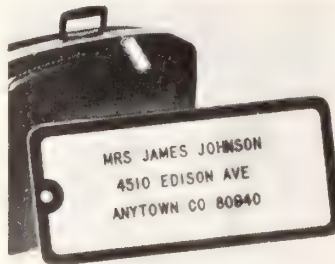
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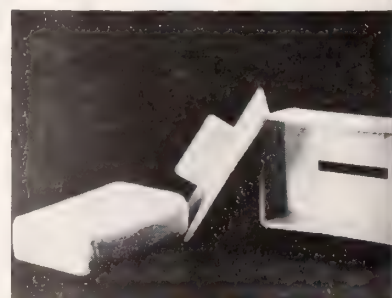
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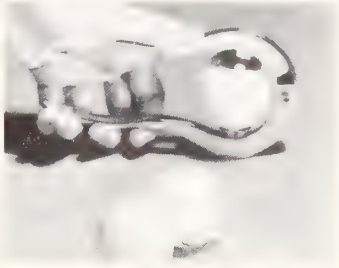
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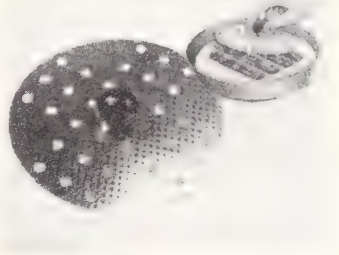
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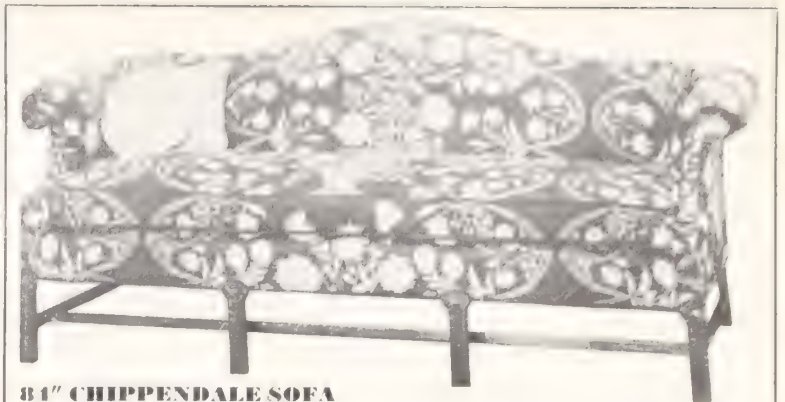
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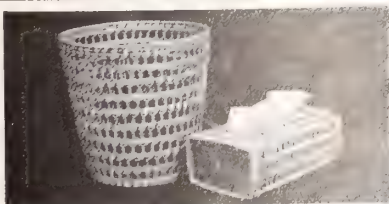
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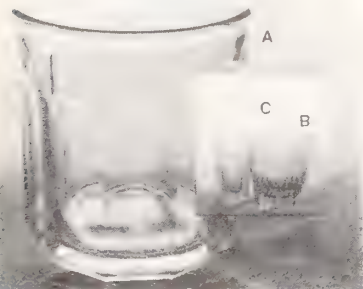
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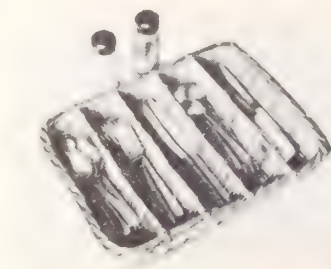
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Heavy sterling silver label, silver chain. Engraved Vodka, Bourbon, Scotch, Rye, Gin, Port, Brandy, Burgundy, Rum, Sherry, Whiskey or left plain. 3 1/2" w. Order by numbers shown. Each \$11 plus 50c post. Jean's Silversmiths Inc., HG7, 16 W. 45th St., New York, NY 10036.



WICKER TIDY-TRAY

Four-section wicker tray with many uses. For holding silver ware at buffet-style meals, or for neat storage. For dressing-table, desk, or in sewing room. 14" l. by 10" w. 2" h. \$7.95; plus \$1 postage. Catalogue 25c. Fran's Basket House, Route 10, HG7, Succasunna, NJ 07876.

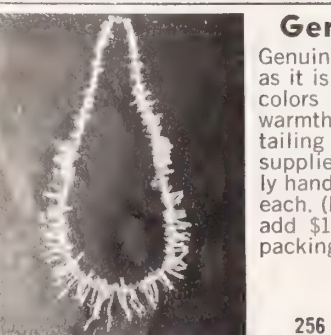


TIMELY SCENE

Benjamin Franklin affixing his signature to the Declaration of Independence depicted on metal tray. From a 1926 SEP cover by Norman Rockwell. 13 1/4" by 10 3/4". Lifelike colors. Limited edition. \$11 ppd. Edd, the Florist, Inc., HG7, 823 North Court, Ottumwa, IA 52501.

ATTENTION!

"I know you believe you understand what you think I said, but I am not sure you realize that what you heard is not what I meant." Black letters on golden plate in pine-finish plaque. 4" by 5". \$2.98 plus 25c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



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Genuine Red Coral becomes Rarer everyday as it is in very limited supply. The gentle Red colors are just simply beautiful, and add warmth to any wardrobe. You'll find these retailing at \$50-\$75 each, but being the largest supplier we are very proud to offer these totally handmade 18" coral necklaces at only \$12.50 each. (Limit five necklaces per person). Please add \$1.25 per necklace ordered for postage, packing and insurance.

RARITIES

Dept. HG-7
256 S. Robertson, Beverly Hills, CA. 90211

SHOPPING AROUND

CLINT EASTWOOD FANS

A t-shirt sporting insignia of Clint Eastwood's famed Carmel restaurant is a thrill for collectors, great gift for the actor's fans. All cotton. S,M,L,XL. \$5.95 plus 50c post. Catalogue, \$1. Merv Griffin's Carmel Craftsmen's Catalog, Inc., HG7, Box 1600-B, Carmel, CA 93921.



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Furniture for your yard, patio, pool or playroom. Handcrafted in the New England tradition. Long-lasting chairs and tables, rockers and other accessories. Partially assembled, and easy to complete. Free color catalogue. Walpole Woodworkers, Dept. HG7, Walpole, MA 02081.



WHO'S TO KNOW

Burglars, other would-be malefactors bypass premises having a warning decal advertising an alarm system. Self-adhesive vinyl stickers are bright yellow and green. Set of four, \$1.98 plus 20c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



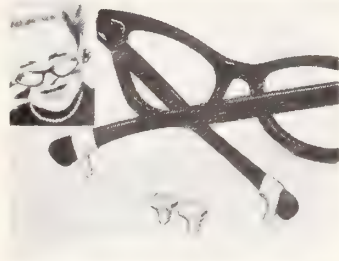
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Great idea for car commuters and salespersons on the road. New kind of coffee mug has a spillproof cover with opening for sipping. Fits neatly into an outer cup that adheres to dashboard. Plastic. 3 3/4" h. \$3.25; two, \$6. Ppd. Bruce Bolind, HG7, Boulder, CO 80302.



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Ear-Lok elastic tabs stop eyeglasses from slipping. Stretch over earpieces. Fit plastic or metal frames; men's, women's or children's glasses. Comfortable. Three prs., \$1.98; five, \$2.98. Plus 25c post. Free catalogue. Dorsay, HG7A, 240 Kinderkamack Rd., Oradell, NJ 07649.



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A sterling silver monogrammed pendant with artistic, deeply cut initials to wear yourself or to give. About 1 1/4" diameter. Indicate first, last (underline) and middle initials. \$6 plus \$1 post. Write to Heraldica Imports, HG7, 21 W. 46th St., Rm. 1004, New York, NY 10036.



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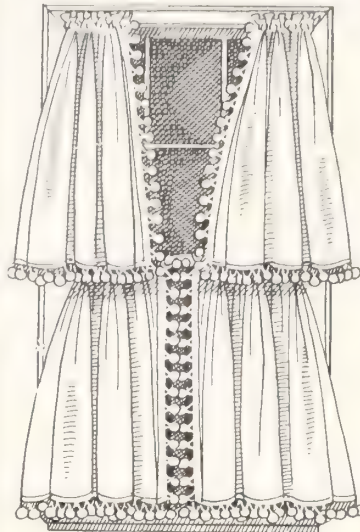
- American Eagle. In hand cast pewter. 3160. \$5.95ppd
- Betsy Ross. Enamel overlay on Sterling Silver. 3403. \$15.95
- Liberty Bell. Magnificent replica in pewter. 3967. \$5.95ppd.
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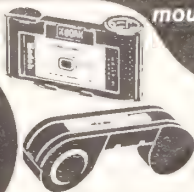


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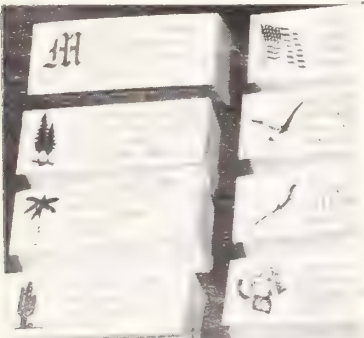
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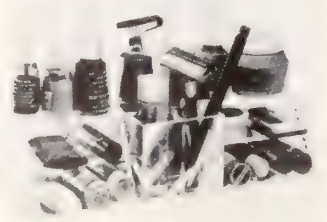
FERN STAND
Full willow is used by European craftsmen to weave attractive shaped jardiniere for display of your choicest plants. It's 20" long by 9" wide by 25" high, charming anywhere. \$24.95 plus \$3 post. Catalogue 25c. Fran's Basket House, HG7, Route 10, Succasunna, NJ 07876.

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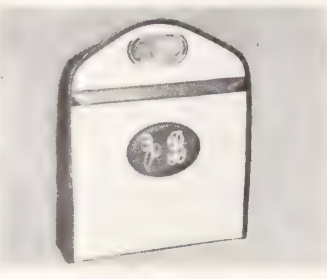
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Glass over photographs, original art, diplomas and certificates are made non-glaring with an application of spray; it eliminates reflections from sun or artificial lights. It covers up to 50'. \$4.49 plus \$1 post. Non-Glare Ind., HG7, Box 621, Milbrae, CA 94030.



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"Debra," has 1 1/4" wedge heel, zigzag rubber sole. Widths AAAA-EE, 2 1/2 to 12. Smooth trim grain calf. Beige with otter, bone with malt; navy with light blue; white; black. 2 1/2-10, \$26.95; 10 1/2-12, \$27.95. Add \$1 post. Free catalogue, Solby Bayes, HG7, 45 Winter St., Boston, MA 02108.



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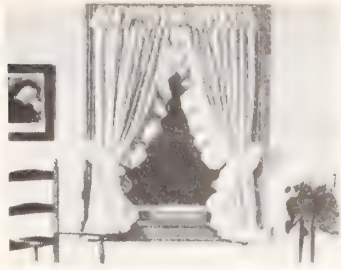


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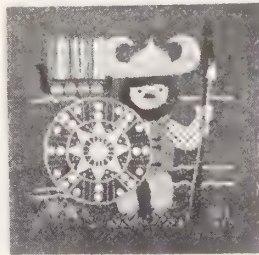
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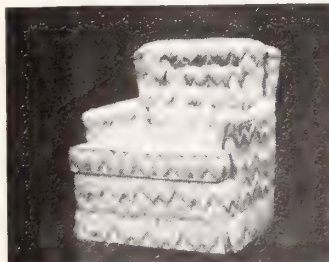
EYESIGHT SAVER

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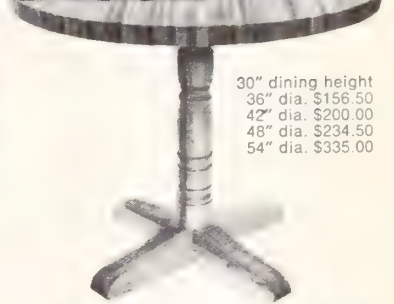
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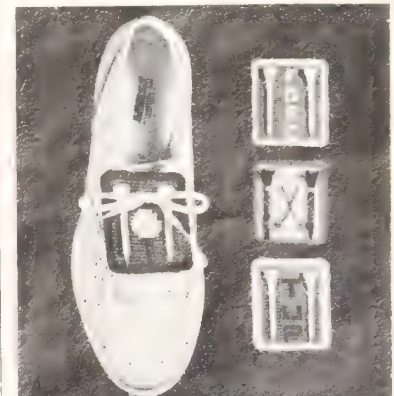
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Photo: (a) in (b) in (c) 2" x 3" (d) 2" x 3" (e) 2" x 3" (f) 2" x 3" (g) 2" x 3" (h) 2" x 3" (i) 2" x 3" (j) 2" x 3" (k) 2" x 3" (l) 2" x 3" (m) 2" x 3" (n) 2" x 3" (o) 2" x 3" (p) 2" x 3" (q) 2" x 3" (r) 2" x 3" (s) 2" x 3" (t) 2" x 3" (u) 2" x 3" (v) 2" x 3" (w) 2" x 3" (x) 2" x 3" (y) 2" x 3" (z) 2" x 3" (aa) 2" x 3" (ab) 2" x 3" (ac) 2" x 3" (ad) 2" x 3" (ae) 2" x 3" (af) 2" x 3" (ag) 2" x 3" (ah) 2" x 3" (ai) 2" x 3" (aj) 2" x 3" (ak) 2" x 3" (al) 2" x 3" (am) 2" x 3" (an) 2" x 3" (ao) 2" x 3" (ap) 2" x 3" (aq) 2" x 3" (ar) 2" x 3" (as) 2" x 3" (at) 2" x 3" (au) 2" x 3" (av) 2" x 3" (aw) 2" x 3" (ax) 2" x 3" (ay) 2" x 3" (az) 2" x 3" (ba) 2" x 3" (bb) 2" x 3" (bc) 2" x 3" (bd) 2" x 3" (be) 2" x 3" (bf) 2" x 3" (bg) 2" x 3" (bh) 2" x 3" (bi) 2" x 3" (bj) 2" x 3" (bk) 2" x 3" (bl) 2" x 3" (bm) 2" x 3" (bn) 2" x 3" (bo) 2" x 3" (bp) 2" x 3" (bq) 2" x 3" (br) 2" x 3" (bs) 2" x 3" (bt) 2" x 3" (bu) 2" x 3" (bv) 2" x 3" (bw) 2" x 3" (bx) 2" x 3" (by) 2" x 3" (bz) 2" x 3" (ca) 2" x 3" 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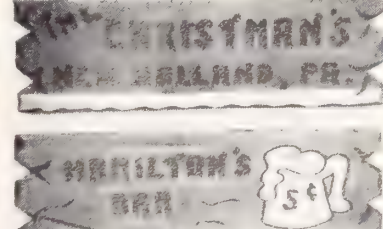
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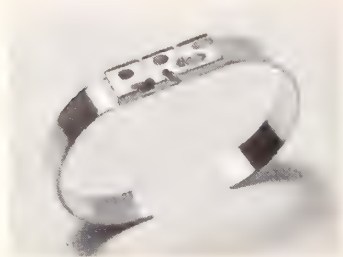
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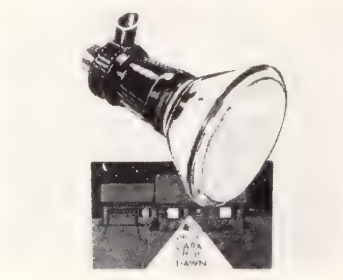
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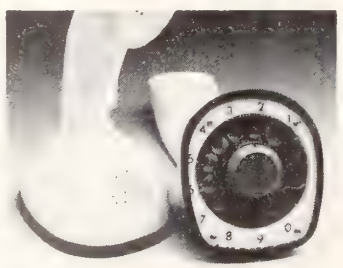
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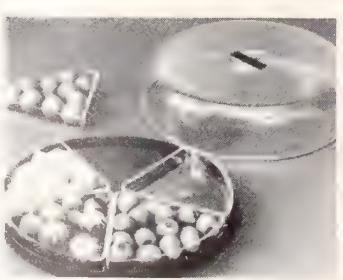
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Serve-and-store susan has free-wheeling base of brown acrylic, tight lid of 1/8" Lucite to seal five clear dishes. 10 3/4" by 3 1/2". For dips, snacks, jelly, relish, leftovers. Gift boxed. \$13.98 plus 75c post. The Country Gourmet, G7E, 512 So. Fulton Ave., Mt. Vernon, NY 10550.



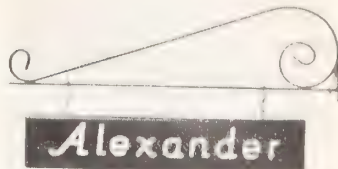
SPORTS IN THE SUN

Adjustable green plastic visor permits sports enthusiasts who must wear glasses to see every thing clearly no matter how bright the sun. Visor eliminates glare and is easy on the eyes. \$2.98 plus 45c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.

SHOPPING AROUND

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Lettuce-edge, polyester-chiffon scarf to tie at neck or waist, on head or hat. Slips through hidden ring. 54" long. Machine washable. White, geranium pink, peach, cranberry, aqua, black. \$5 plus \$1 post. Vicki Wayne, H7T, 600 So. Country Club Rd., Tucson, AZ 85716.



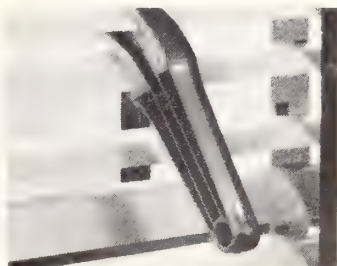
HISTORIC MEMENTO

Wall plaque of antiqued wood tone with cast design in gold, red, white and blue is the perfect reminder of our Bicentennial year. 9" by 17", the cast is reinforced with fiberglass for durability. \$8.95 plus \$1 post. Designed Things, HG76, Box 322, Medford, NJ 08055.



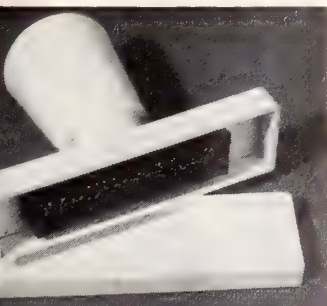
KEEP IT CLEAN

Keep your Venetian blinds free of dirt with this efficient little tool. Double-duty design does two slats at a time on both sides. Dip in suds and foam pads do the cleaning with one wipe. \$1.98 plus 40c post. Anthony Enterprises, HG7, 556 Mission St., San Francisco, CA 94105.



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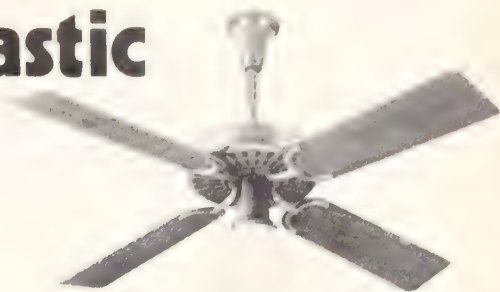
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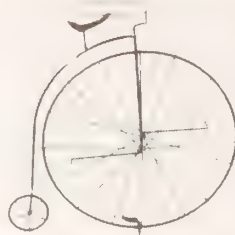
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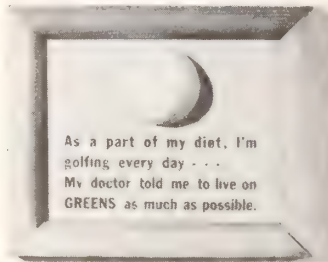
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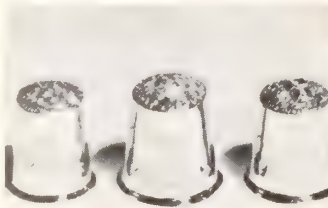
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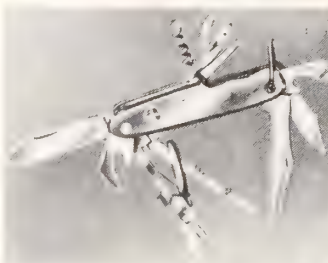
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Make nets for every purpose with a book by Charles Holdgate who gives step-by-step instructions for knot tying to make fishing, tennis and basketball nets as well as hammocks, decorative nets. Over 100 illustrations. \$5.95 plus 50c post. Emerson Books, Inc., HG7, Buchanan, NY 10511.



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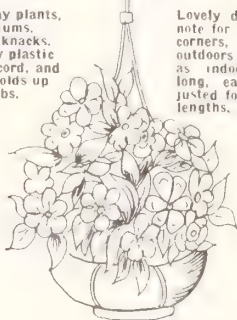
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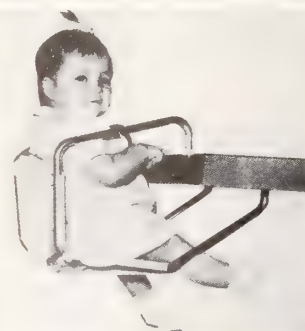


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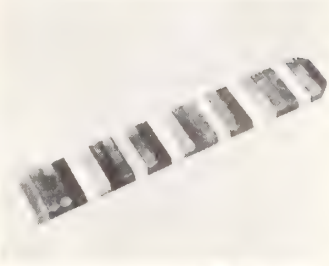


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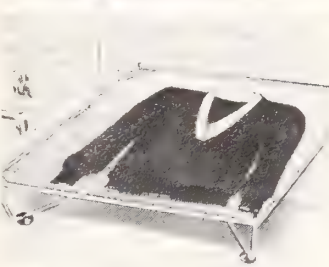
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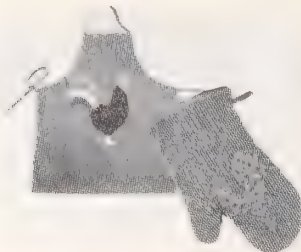
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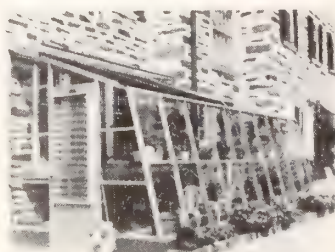
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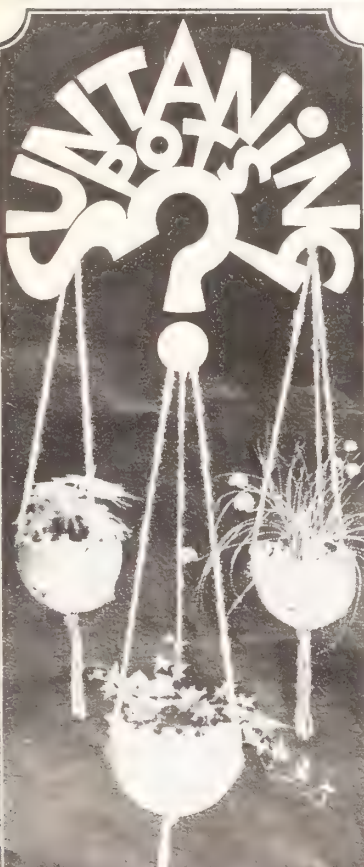
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Gardener's notes

The plot thickens

Now that summer's here: How to raise the best asparagus, wild-flower seeds by mail, and easy-to-use landscape timbers

By James Fannin

Asparagus lib



The best way to make an asparagus bed is to grow your own plants from seed. That way, you can separate male and female plants as soon as they begin to flower and make the permanent planting with a single gender, preferably female. The simple fact of the matter is that female asparagus plants produce thicker, more succulent stalks than the male of the species. Male plants send up more stalks, but they're not nearly as plump and

attractive. This little-known clue to successful asparagus growing is only one of the workable ideas in *The New Vegetable and Fruit Garden Book* by R. Milton Carleton (Henry Regnery, \$14.95; paperback, \$5.95). In the process of telling how to grow everything in the way of edibles, Mr. Carleton gives a complete course in basic, down-to-earth gardening. His advice on how to select garden tools alone makes the book worth buying.

Wild flowers: A look at the field

Lady Bird Johnson's devotion to wild flowers (page 38) finds ample room to express itself in the luxuriant flora of Texas, her home state. There are more than 5,000 species of Lone Star wild plants, and practically every one of them is attractive in flower, fruit, or foliage. Enthusiasm for native plants is contagious among Texans, with the State Highway Department enthusiastically working on their propagation and dissemination. For more than 30 years Texas highway crews have been harvesting the matured seed heads of roadside plants and scattering them, as dried hay, on newly graded embankments and the like. The resulting blanket of vegetation serves the mundane purpose of halting erosion, as well as displaying a Joseph's coat of multicolor bloom during the flowering season.

A handsome folder of color photographs sampling the wild flowers of Texas is available for the asking from the Travel and Information Commission, Texas Highway Department, P.O. Box 78701, Austin, Tex. 78701. A more complete listing of Texas wild-flower seeds and plants is Carroll Abbott's *Green Horizons*, 500

78028. Send a stamped, self-addressed business-size envelope for the Green Horizons list, which also includes wild flower books. Foremost among these is *Roadside Flowers of Texas*, with color illustrations of 257 native plants. In soft cover, it is \$5.50, postpaid. Wild flowers of the Southwest are also among the seeds available from Applewood, 833 Parfet St., Lakewood, Colo. 80215. The Applewood list of mail-order seeds is free; selected shops and garden centers throughout the U.S. also sell Applewood seeds.

The more northerly range of native plants is covered in *Handbook of Wild Flower Cultivation*, by Kathryn S. Taylor and Stephen F. Hamblin (Macmillan, \$7.95; paperback, \$4.95). Mrs. Taylor and Mr. Hamblin explain precisely the conditions for growing wild flowers successfully. Plant descriptions are complete and easy to understand, and there are many clear line drawings. In the Northeast, native wild plants are available from Vicks Wildgardens, Inc., Box 115, Gladwyne, Pa. 19035, and from Putney Nursery, Inc., Putney, Vt. 05346. For the Northwest, Lamb Nurseries, E 101 Sharp Ave., Spokane, Wash. 99202, is a leading supplier of seeds and plants. In the Central states, Lounsberry Gardens, P.O. Box 135, Oakford, Ill. 62673, can fill the needs of wild-flower devotees.

Railroad ties made easy

As retaining edges for garden steps and planting beds, railroad ties have been commonly used for a long time. However, they're heavy, awkward to handle, and becoming scarcer by the year. So the Weyerhaeuser Company has come forward with its own *Landscape Timbers* to do the same job with a good deal more convenience. Landscape Timbers are 8-foot lengths of tree trunks, about 5 by 5 inches, flattened on two sides. They are pressure-treated with a preservative that will not leach out and damage plants as old-fashioned creosote did. Partially buried, and with one curved surface on top, the timbers make an attractive, long-lasting, and lawnmower-proof edging for flower beds. Set on end with a foot or so of the length buried to hold them upright, they form an effective paling fence or retaining wall. Without additional treatment, the timbers weather to a pleasant natural wood color in the course of a year or two. Weyerhaeuser Landscape Timbers are available at garden centers, home supply centers, and lumberyards, at prices that vary according to location, but are about one-third the cost of railroad ties.



Virginia rose, drawing by Catherine R. Hammond, from "Handbook of Wild Flower Cultivation"

The West Garden Court of the National Gallery has become a Jeffersonian botanical garden

Thomas Jefferson
continued from page 32

naeus, and a portrait by Rembrandt Peale of his brother Rubens with the first geranium plant ever seen in America. More greenery than flowers then, geraniums accompanied Jefferson to Washington when he was President.

Here and there are selections from Jefferson's garden designs, examples of his ideas on landscapes, and his plans for various garden structures. One of them is a garden gate, angular and delicate, that might have come from China.

The man could design anything. The parquet floor he devised for Monticello was the first ever seen in America. He could, and did, design clocks, glassware, silver goblets, silver objets d'art, lovely little carriages so delicate in silhouette that they looked like calligraphy. What he saw, and liked, he often paraphrased, like the silver pitcher that's not quite a copy of a nearly identical Roman bronze askos. What he thought of, but hadn't yet seen, he designed and had made: His own delicate window curtains made to let in the sun are copied to this day.

Jefferson was not an esthetic iceberg. This extraordinary man liked pretty women, good food, and fine wines (though his attempts at viticulture were "without much success," according to the handsome and exhaustive exhibition catalog), and when, at 41, he first went to France and Italy, he applied himself to these pleasant subjects with a connoisseur's diligence.

But the famous "eye" never stopped roving. The 500 objects assembled from 100 collections for the exhibition can merely suggest Jefferson's avid pursuit of art and architecture while he was in Europe, between 1784 and 1789. "It is an enthusiasm of which I am not ashamed," he wrote home to James Madison, "as its object is to improve the taste of my countrymen, to increase their reputation, to reconcile to them the respect of the world, and to procure them its praise." To evoke the Europe he traveled through, looking, the National Gallery has made a partial recreation of the French Salons of 1785, 1787, and 1789, with drawings by visionary architects Ledoux and Boullée, paintings by Hubert Robert that reflect the new interest in a classical past, sculpture and paintings that Jefferson specifically admired—and some of the French furniture he

collected (he brought 80 cratesful back to America with him). Paintings, drawings, watercolors, Chippendale and Adam furniture mark his visit to England in 1786.

He greatly admired the Hotel de Salm in Paris, a superb new house designed by Pierre Rousseau for the Prince de Salm Kyrburg. Along with the Villa Rotunda near Vicenza in Italy, it inspired the plan he submitted anonymously to a competition for a White House design. He didn't win—but the plans submitted by his fellow contestants are also at the National Gallery. He was enchanted by the Maison Carrée in Nîmes, a Roman temple he found "very simple but noble beyond expression." So noble, in fact, that its influence may be seen in the design for Monticello, the first important temple-form of modern times, and a landmark in American architecture. Today, we call it the Greek Revival style.

There is still the Revolutionary Jefferson, and the statesman. His role is memorialized in paintings by Trumbull (including the famous *Declaration of Independence*), portrait busts by Houdon, miniatures, and documents.

The University of Virginia, which he called "the hobby of my old age," was his last great achievement, "a supreme statement," as W. Howard Adams calls it, "of artistic imagination." It looks like no other campus in America, and it is not surprising that its dominating edifice, the Rotunda, was inspired by the Pantheon in Rome. Jefferson paraphrased nothing but the best. And these "correct" classical details were intended to be a teaching element for the students. The breadth of his plan has its own special section in the exhibit.

Political philosopher, statesman, educator, architect, builder, and visionary, nothing escaped the assessment of his bright blue eagle eye. Its perceptions formed a good deal of the way we still see both his world and ours. The exhibition, designed by John Bedenkapp, would have pleased him. ■

Sponsored by a grant from the Exxon Corporation, The Eye of Thomas Jefferson is open to the public Monday through Saturday from 10 A.M. to 9 P.M., and on Sunday from noon to 9 P.M., until September 6. Admission is free. A film based on the theme of the exhibition will be distributed free to schools and colleges across the country, through the National Gallery's Extension Service.

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AMERICAN KNOW-HOW 1976

Page 48:

RCA "Satcom II" communications satellite handles simultaneously 24 TV channels in conjunction with stations in the fifty states. Or it can transmit 24,000 telephone calls to bring phone service for the first time to remote rural areas like those in Alaska. Satellite operates entirely on solar energy.

Betamax videocassette recorder connects to a TV set to record programs at air time. The tape may be rerun at the viewer's convenience. The video-deck may record even though the picture tube is tuned to another channel. Digital timer allows for automatic recording and shut-off. Recorded programs can be filed in a videocassette library. \$1300. By Sony Corporation of America.

New color TV tube has a tube neck 2 inches shorter than existing models. Gives a sharper, brighter picture and is less costly to build. Available in TV sets this fall. Zenith.

Xerox 6500 slide adapter allows a 6500 color copier to enlarge and reproduce 35-millimeter slides at the same

time. Slide Adapter II, is available in 21 major American cities, operates with a standard 35-millimeter projector. By Xerox.

Touch-A-Matic 16 telephone may be programed for up to fifteen of your most frequently dialed numbers. Calls are made with a push of one button. By AT&T.

Minicomputer PDP-11/45 is the "host" computer for several smaller computers that each performs individual tasks. "Host" computer acts as a clearing house for each division, which checks with it at specified times. By Digital Equipment Corporation.

Page 50:

Top left

Photovoltaic solar cell converts light energy to electrical energy without moving parts. The electronic reaction of silicon crystals made with traces of phosphorous or boron makes electricity when light strikes them. New larger cells make greater power generation possible. By Solarex.

Prototype of videodisc player for the Phillips and MCA Optical Videodisc System. A light beam, a low-power optical laser sensor, scans the surface

of the videodisc from within the player, eliminating the conventional pick-up stylus. Videodisc player attaches to a standard TV receiver. Discs will give 30 minutes of color or black-and-white pictures, and sound. Albums will be priced from \$2 to \$10; player, about \$500. Available this fall. By MCA Disco-Vision.

Prototype of Motorola DYNA T•A•C wireless, portable radiotelephone capable of sending and receiving calls from anywhere in the world through the DYNA T•A•C system. It could be hooked into the regular telephone system by means of a computerized central station.

Water soluble 15-foot-long organic seed tape for vegetable planting. By W. Atlee Burpee Co. Photographed by Michlmann.

Silicon chip by IBM, less than 1/4-inch square. Two such chips mounted on a 1/2-inch-square ceramic substrate form one-half a usable memory module. It's a part of IBM's System/370 Model 145.

Helium-cadmium laser and helium-selenium laser. Photographed by Fritz Goro at Bell Laboratories.

Page 51:

Left, Ektasound 160 movie camera by Eastman Kodak has modulating sound-recording indicator for super-sound movies. Weighs only 3 lbs. Camera, \$399; with batteries, film, \$410.

Middle, Xerox Telecopier 200 takes and sends messages from a telephone call and prints it out at a rate of one page every two minutes. An automatic clock mechanism allows for late-hour, low-phone-rate copying.

Right, "shear" ultrasonic waves are used for measuring and testing solids in industry; other kinds of ultrasonic waves are used in cleaning.

A HOUSE FOR TODAY

Pages 66-67:

Wrought-iron umbrella table: 48" diam. x 27" high, Duramar finish. \$164. By Salterini.

White stacking chairs: 18" x 16" x 32" high. \$35 each. Table and chairs at Lord & Taylor.

Antique Indian Amritsar wool rug: 11' 6" x 12' 6" long. From Doris Leslie Blau; Persian Kilim also from Doris Leslie Blau.

Pages 68-69:

Cotton terry bathrobe: \$60; woven palm plates, \$3.75 each; oval plastic tray, 16" x 24", \$22; glass pitcher, 14" high, \$14; red and white polka dot napkins, \$2.25. All from Henri Bendel.

Zori sandals: \$5.95 and \$1.98; plastic-handled flatware, \$1.79 apiece. At Azuma.

Woven bamboo basket: 16" sq., \$9. At Lord & Taylor.

Cutting board with handles: 15 1/2" diam. \$8.50; "Input-22" round plastic tray, \$14.95; cotton potholders, \$2.50 each. At Design Research.

"Solite" clear acrylic tray: 15" x 20 1/2" wide. \$14; clear acrylic salad bowl, 13" diam. By Guzzini. \$18.50; shell-shaped clear acrylic bowl, 13" diam, 3" high. \$15. All from Lucidity.

Woven bamboo basket: 14" sq., \$8. At Lord & Taylor.

Pages 72-73:

Custom cabinets: by Samson Berman, 77-53 Main St., Kew Garden Hills, N.Y. 11367.

Straw box: 6" sq. x 3" high. \$14. At Henri Bendel.

Terry bath towels: in peach, larkspur, champagne, bath. \$9; hand, \$4.75; washcloth, \$2. By Fieldcrest.

Back scrub brush: \$8.50. At Henri Bendel.

White soup bowls: by Heller Designs. \$1.95 each; "Input-8" round white plastic tray, \$7.95. Both at Design Research.

GLORIA VANDERBILT

Pages 76-77:

"Lily of the Valley" goblet: \$1. each.

"Collage" dinner plate: \$10. each
"Teapot Tom" porcelain teapot: \$15.

Notecards: \$2.25 a box. All from the Collage for Living collection designed by Gloria Vanderbilt for Sigma. At Bullock's.

Pages 78-79:

"Seaside" and "Boardwalk" cotton and polyester sheets: in standard sizes. Available September, 1976
"Rainbow Check" apron, mitt potholder: cotton duck, mitt and potholder terry-backed, quilted, insulate. From the Gloria Collection of Kitchen Wear. Sheets and kitchen protector designed by Gloria Vanderbilt for Martin S. Garmet.

"Ribbon" acrylic tissue box: \$10 porcelain toothbrush holder, \$6. By Gloria Vanderbilt for Martin S. Garmet.

"Everlasting" china setting: \$13.75 per 4-piece setting; wine goblet, \$10 paper dinner napkins, \$1.50 a package cocktail napkins, 75c a package. From the Collage for Living collection designed by Gloria Vanderbilt for Sigma. At Bullock's.

"Garden Bird" vinyl wallcovering 28" wide, 22" repeat, pre-trimmed, scrubable, peelable. \$11.95 a roll. Designed by Gloria Vanderbilt for Jame Seeman Studios.

"Sincerely Yours" china setting \$13.75 per 4-piece setting; "Tulip" wine goblet, \$12; "Sincerely Yours" placemats, \$2.50 a doz., dinner napkins, \$1.50 a package; cocktail napkins, 75c a package; notecards, \$2.25 a box. All from the Collage for Living Collection designed by Gloria Vanderbilt for Sigma. At Bullock's.

A KITCHEN THAT HAS

EVERYTHING

Pages 92-93:

Interior: by Ann Rooke-Ley and Maria Quinn.

"Ritz Bar" ceramic tiles: for backsplash behind cooking center. From Country Floors, Kneidler-Faucher.

"Textolite" white laminated plastic countertops: by General Electric
Oak cabinets: lift-up tambour door with pull-out shelves for small appliance storage; upper cabinets have decorative open storage. Designed and made by Design Workshops.

"Quadrille" 4" lighting fixtures five over center island; four over dining table. By Lightolier.

Custom stainless steel cooking center: incorporates cooking units and controls. By Bastian-Blessing, Gran Haven, Mich. 49417.*

Cooking units: deep-fat fryer, griddle, three double-burner electric cooktops, Char-broiler. By Wells Manufacturing.

Stainless steel soda fountain: by Bastian-Blessing.*

"Trashmaster" garbage compactor: by Whirlpool.

Stainless steel paneled refrigerator and matching freezer: by Sub Zero
Built-in double wall oven, microwave oven, Stay-hot oven, can opener: all by Thermador.

Built-in kitchen dishwasher: by KitchenAid.

Stainless steel double sink, clean up sink with drinking fountain: by Elkay; waste disposal unit by Waste King; hot-water dispenser by Elkay.

Bunn-o-Matic coffeemaker.

Dining chairs: from Stendig.

Pedestal table: 54" diam. laminate maple top, chrome and steel base. \$36. At Williams-Sonoma.

Yellow plastic dinnerware: by Heller Designs. At Design Research.

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Checked napkins: \$2.50 each. Williams-Sonoma.
Wall clock: by Howard Miller Clock
Placemats: by VBI to order through
 Marietta Amanda Chapman.
Wine glasses 94-95:
Enamel-on-cast-iron skillet, saucepan:
 by Copco.
Green enamel-on-steel stock pot:
 by Dansk.
Children's aprons: designed by
 Anne Langwith. At Williams-Sonoma.
"Whiz Bang" popcorn maker: by
 Gold Medal Products, California Con-
 sulting Supply Co., 177 Golden Gate
 Ave., San Francisco, Cal. 94102.

**Addresses of stores
 mentioned throughout
 this issue**

UMA
 166 Lexington Ave.
 New York, N.Y. 10022

WILLOCK'S
 10000 Ventura Blvd.
 Los Angeles, Cal. 90055

COUNTRY FLOORS
 10000 Needler-Fauchere, 101 Kansas
 Ave., San Francisco, Cal. 94103

DESIGN RESEARCH
 10000 E. 57th St.
 New York, N.Y. 10022

DESIGN WORKSHOP
 10000 Columbia Sq.
 San Francisco, Cal. 94103

CHRIS LESLIE BLAU
 10000 E. 57th St.
 New York, N.Y. 10022

MARIETTA AMANDA CHAPMAN
 10000 25 Fifth Ave., Rm. 1105
 New York, N.Y. 10010

ENRI BENDEL
 10000 W. 57th St.
 New York, N.Y. 10019

ORD & TAYLOR
 10000 24 Fifth Ave.
 New York, N.Y. 10018

UCIDITY
 10000 75 Madison Ave.
 New York, N.Y. 10021

WILLIAMS-SONOMA
 10000 76 Sutter St.
 San Francisco, Cal. 94102

Framing: Long span steel joist on
 steel pipe columns.

EXTERIOR OF HOUSE

Exterior walls: 3-inch-thick insu-
 lated "Alply" aluminum panels by
 Aluminum Co. of America.
Glazing Assembly: Aluminum tubes,
 channels, and mullions used for wall
 construction; Neoprene Stanlock glaz-
 ing gaskets by Standard Products Co.
Windows and doors: 1-inch-thick
 insulated glass panels in aluminum
 frames and aluminum clad metal hol-
 low doors.
Garage door: Roll-up aluminum sec-
 tional garage door by the Cookson
 Company.
Observatory dome: Ash Manufactur-
 ing Co., Inc.

INTERIOR OF HOUSE

Interior walls and ceilings: Gyp-
 sum wallboard by Celotex Corp.
Interior finishes: Paint by PPG In-
 dustries.
Floors: Stoneware tile by Structural
 Stoneware Inc.
Lighting fixtures: Recessed lights by
 Lightolier, Inc.
Fireplace: Metal fireplace by the
 Majestic Co.
Hardware: Locks by Falcon, hinges
 by Roton, and sliding tracks by Grant.
Cabinets: Custom cabinets by Coun-
 tryside Cabinet Shop.
Plumbing fixtures: Kohler Co.

**MECHANICAL EQUIPMENT
 AND APPLIANCES**

Electronics: All electronics by Gimix,
 Inc.
Appliances: Built-in wall ovens by
 Thermador Div., Norris Industries; re-
 frigerator and freezer by Sub-Zero
 Freezer Co., Inc.; KitchenAid dish-
 washer and food waste disposer by
 Hobart Corp.; exhaust fan by Vesco.
 Laundry washer and dryer by Maytag
 Co.
Water heater: 100-gallon tank by A.
 O. Smith Corp.
Heating and cooling system: Gas-
 fired forced air system for heating and
 cooling and radiant heating in floor
 slab. ■

**Technology and the
 human adventure**
continued from page 50

then we will have chosen not to
 invest these resources in other
 worthy enterprises. Every time we
 choose to do something, we are,
 willy-nilly, choosing *not* to do
 something else.

The problems that accompany
 technological development must be
 solved; but the solutions can only
 come through more technology,
 not less. For all our apprehensions,
 we have no choice but to press
 ahead. We must do so, first, in the
 name of compassion. By turning
 our backs on technological change
 we would be expressing our satis-
 faction with current world levels of
 hunger, disease, and privation. Further,
 we must press ahead in the name of
 the human adventure. Without exper-
 imentation and change our existence
 would be a dull business. We simply
 cannot stop while there are masses to
 feed and diseases to conquer, seas to
 explore and heavens to survey. ■

"Weathering" for sale . . .



Home at New Seabury, Cape Cod, Mass., Architect Royal Barry Willits & Associates, Boston, Mass.; Developer: Emil Hanslin Associates, Melrose, Mass.; Cabot's Stains on siding

Cabot's BLEACHING OIL

Demand is great for the unique "driftwood" look, an effect usually found only in seacoast areas after years of exposure to salt air. Cabot's Bleaching Oil, when applied to untreated wood surfaces, imparts a delicate gray tone which weathers in but a few months to a beautiful, natural driftwood gray, will not crack, peel, or blister. Everybody talks about the weather; Cabot's has done something about it.

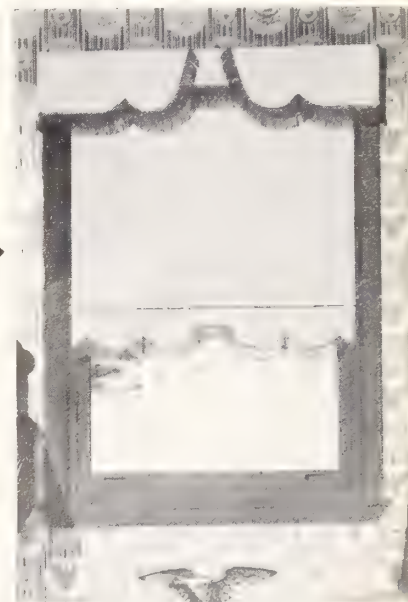


Cabot's Stains, the original Stains and Standard for the nation since 1877.

Samuel Cabot Inc.

One Union St. Dept. 716, Boston, Mass. 02108
 Send information on Cabot's Bleaching Oil
 Send 25c for Cabot handbook on wood stains

**Shades of
 tradition
 from
 Joanna**



Joanna Western Shades have always been favorite window treatments, and for good reason. They come in so many styles, patterns and colors, and offer many decorative trims as well.

And Joanna Window Shades save energy. They can reduce heating fuel costs up to 8% and air conditioning costs up to 21%. That's a tradition worth keeping.



Western Mills Company
 2141 South Jefferson Street
 Chicago, Illinois 60616
 Branches in principal cities

Building Facts

**Material and equipment
 used in the house
 on pages 52-57**

ARCHITECTS: Stanley Tigerman & Associates (Anthony Saifuku, Associate-in-charge)
LANDSCAPE ARCHITECT: Joe Karr & Associates
STRUCTURAL ENGINEER: Raymond B. Bebe
CONTRACTOR: Kelmer Construction Management

STRUCTURE

Foundation: Poured concrete footings and foundation walls.

The Style and Spirit of '76



Bennington Solid Pine

Freedom Period Furniture

This is classic American Traditional at its very best. Bennington recaptures the bold beauty and structural strength of colonial cabinetry with superb craftsmanship. It is available in dark golden-burnished Antique or lighter-toned sunlit Tawny finishes. See the Bennington collection of heirloom quality masterpieces for every room at leading stores.

Send 25¢ for Color Brochure • Dept. N6 • Vermont Furniture Co., Winooski, Vt.



THE
EXCITING
AMERICANS

Boone Trail Craftsmanship... are faithfully incorporated into every piece of furniture from our Boone Trail collection. A comfortable complement to casual room settings. Excellent for today's easy and informal lifestyle.

For a colorful brochure showing selections from The Exciting Americans, send 50¢ to Maxwell Royal.

Maxwell Royal
Chair Company
P.O. Box 28601

Best in Booklets

Marvelous ideas to help you plan and shop are in the booklets below, and they're yours for the asking. You can order them directly from *House & Garden*—send for the ones you want today. Just fill out and return the order coupon, circling the number of each booklet desired, enclose 50¢ for postage and handling, plus any additional charge as indicated next to the booklet number, and we'll see to it that your booklet requests are filled as quickly as possible. Please do not send stamps; coins, check, or money order may be used.

Building and Remodeling

1. "DECORATING IDEAS WITH CERAMIC TILE"—a new 16-page color brochure shows ways to decorate kitchens, baths, dining areas, and family rooms—suggests color coordination, how to build or remodel with ceramic tile. American Olean Tile Company. 25¢

2. STONE VENEERS. Beautify your present or new house with a variety of easy-to-apply natural stone facings. Lightweight Featherock comes in distinctive colors and styles for interior, exterior wall panelings and fireplaces. "How to" guide and dealer list. 25¢

3. BETTER DRINKING WATER than you might buy in bottles is possible with the Culligan Aqua-Clear Reverse Osmosis Water Purifier System. Information brochure describes, illustrates the system and how it improves the flavor of everything mixed and made with water. And it actually removes impurities.

4. WANT TO PANEL YOUR BASEMENT . . . or any other room in your house? "How To Panel A Room" folder will help you do it yourself. Folder gives 73 step-by-step instructions with coordinating illustrations. One important basic rule—use quality materials. Masonite Brand Paneling.

5. NEW IDEAS WITH WOOD WINDOWS. Pella Rolscreen windows and doors are as beautiful as they are easy to maintain. Colorful booklet illustrates how Pella designs add charm and style to any house.

6. "HISTORY OF THE AMERICAN KITCHEN." New 48-page booklet is full of memorabilia and historical facts about kitchens from the Colonial period to modern times. Easy-to-read, it describes fully the evolution of the American kitchen. Wood Mode Cabinetry. \$1

7. FASHION KITCHENS. Two beautifully illustrated color booklets from the St. Charles Manufacturing Company offer you a preview of its versatile kitchens. Each kitchen, from color to cook-tops, is custom treated to match the house and needs of the family living in it. Both booklets, \$3

Decorating

8. DINING ROOM AND BEDROOM furniture rooted in Americana is presented in two imaginatively illustrated catalogues from American Drew, Inc. The "Tanglewood" collection, inspired by the past, is executed in deeply grained oak solids and veneers. The "Companion" group, designed for today's casual lifestyle, is beautifully crafted of fine white pine, hardwood solids, and pine veneers. Both catalogues, \$2

9. "ORIENTAL DESIGN RUG HANDBOOK" by Karastan Rug Mills has been enlarged to contain more historical information on the origins of Oriental-design rugs and more details on the symbolism in the motifs and colors of the fabulous rug patterns. 50¢

10. "WINDOW MAGIC." The newest edition of this booklet contains full-color photos of room settings, hints on decorating with Levolor blinds, and do-it-yourself instructions for laminating and painting designs on these custom blinds. The brochure is filled with pictures of distinctive interiors by well-known designers. 50¢

11. GOOD TASTE NEVER GOES OUT OF STYLE and Henredon upholstered furniture gives you the good taste, quality, and beauty you are looking for in fine furniture. Booklet illustrates sofas, love seats, and chairs in a variety of styles. Many sofa designs are custom made by the inch. \$1

12. "EVERYTHING YOU'VE ALWAYS WANTED TO KNOW ABOUT CARPET . . ." This booklet was designed to give the basic information you ought to know before you buy and to provide answers to some of the questions you're sure to have. Bigelow-Sanford. 25¢

Eating and Entertaining

13. ENTERTAINING CAN BE FUN and easy is the message of "The Coffee Table Booklet." Compiled with the cooperation of *House & Garden*, the booklet includes hostess tips, ideas for parties, and recipes using Bahia Coffee Liqueur. Heublein, Inc.

INTERNATIONALLY ACCLAIMED GOURMET KITCHEN KIVES from Germany are presented in this full-color, 20-page catalogue from J.A. Henckels. Slicers, cleavers, roasting forks and assorted cooks' knives among the wide variety.

IT'S ALL IN THE FAMILY of kitchen appliances from Thermador. The quality, convenience, and elegance that make cooking a pleasure. This page, full-color brochure gives information and specifications on the selection of microwave oven models, plus Thermador self-cleaning ranges, venting hoods, and accessories.

"HOW TO FEED YOUR FAMILY BETTER FOR LESS" from thearnation Company. Low calorie, low cost delectable dishes for year-round menus. Booklet includes recipes for desserts, entrées, meatless main dishes, various casseroles, and luxurious drinks.

7. FINE TABLEWARE: Full-color brochures, "Ideas In Silver For Gifts and Entertaining" and "The Beauty of Silver In Carefree Stainless" illustrate a complete selection of flatware and hollowware. Oneida Silversmiths.

8. WHICH ARE THE MOST IDEALLY USED TYPES OF KNIVES? What are some of the other kinds of specialty knives? These questions, plus many other helpful points about "How To Choose and Care For Household Cutlery . . ." are discussed in an informative brochure from W.R. Case & Sons Cutlery Co. 25c

Potpourri

9. VACATION PLANNING KIT. Virginia State Travel Service offers

booklets to help you decide what to do: "Camping in Virginia," "Civil War Battlefield Parks," "Golf in Virginia" and many more—even one offering movies.

20. "TRAVEL SOUTH USA." Twelve-page travel guide to eleven states important as historic, recreation, and scenic vacation spots. Resorts, festivals, landmarks are described and illustrated. Southern Travel Directors Council. 25c


21. "THE WONDERFUL ART OF COLOR DYEING." This booklet offered by Rit Dye, shows how to give new color to home fashions and furnishings through a variety of dyeing techniques. Included are instructions for tie-dyeing, easy batik, washer dyeing, and dip-dyeing.

22. VACATION INFORMATION about the world's second largest country—Canada. Booklet describes some of the highlights of each major tourist area. Variety of tours gives you a choice of "how to see." Air fare chart, too. Air Canada.

23. MOTOR HOMES. To help you choose the motor home that is right for you—4 consumer brochures from GM, illustrating its Glenbrook, Palm Beach, Crestmont and Birchaven, and Eleganza II models are available to you. Each of the brochures highlights the important features.

24. "SI! THE PRICE IS RIGHT!" presents travel packages to your choice of 15 outstanding destinations in Mexico. Special rates and extras at superb colonial hotels in cosmopolitan cities, archeological centers, luxurious sun resorts, and sleepy fishing villages. Nacional Hotelera.



We've prepared a handsome color brochure to introduce you to Tiara II.  **White** of Mebane

48 pages of room scenes and ideas illustrating a new collection of dining and bedroom furniture. For your copy, send fifty cents to Dept. HG-07, White Furniture, Mebane, North Carolina 27302.

Cat. No. V137



Wake up a wall. Any wall.

This classic shaped mirror with its solid brass ring is one of many ways to wake up your study or den. For more suggestions, send us your name and \$1.50. We'll send you our full color catalog and the name of your nearest Carolina Mirror dealer.

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July, 1976

Circle the number of each booklet you want, and enclose check, money order, or currency in amount indicated for those requiring payment. Add 50c for postage and handling. No stamps. Allow up to four weeks for delivery.

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Box 3579, Grand Central Station
New York, N.Y. 10017

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9 ^{50c}	10 ^{50c}	11 ^{50c}	12 ^{25c}	13	14	15	16
17	18 ^{25c}	19	20 ^{25c}	21	22	23	24

I enclose:

\$ _____ 50c for postage and handling of my request for booklets

\$ _____ for booklets circled requiring payment

\$ _____ is my total remittance

Offer expires 10/15/76

Name MR. _____
MRS. _____
MISS _____ (PLEASE PRINT)
Address _____
City _____ State _____ Zip # _____

Small towns and country flowers

By Marybeth Little Weston

Bluebonnets, poppies, other wild flowers (see pages 38 and 138) sweep like a Milky Way of colorful stars along the roadsides of Texas in spring and early summer. Lady Bird Johnson, like the rest of us, likes nothing better than seeing wild flowers and meeting people who share her interest in preserving country flowers, small towns, and lovable old buildings, historic or not. Last April, in a sort of modern-day wagon train of cars, several friends followed her lead through some flowery counties in central Texas. They soon discovered that Mrs. Johnson travels as a butterfly flies—in starts and stops, so as not to miss anything interesting, including a perfect place to picnic. (In these parts, wise travelers carry hampers and coolers because of the distance between towns and restaurants and because there are many inviting places to stop. Mrs. Johnson herself gives awards to highway maintenance people who beautify roadsides with flowers and parks.)

Many highway signs in Texas say simply, "Drive Friendly," and people do. House tours during wild flower season are worth asking about, and usually raise money for local buildings and parks.

First stop on the pilgrimage, starting east out of Austin, was nearby Bastrop, with a population of about 3,350. It is a lived-in anthology of 19th-century architectural styles, from the settler's cabin to Greek Revival to lace-valentine Victorian. Because Texas is a confluence of styles of architecture as well as plants, some of the things you could be Anywhere, Texas's history is a patchwork. The first settlers came as colonists, and in 1845 a Declaration of Independence was picked as their first president was a victorious general, Sam Houston. For a while, Texas was the capital called Washington-on-the-Brazos, but joined the United States voluntarily in 1845. Many hamlets here, as elsewhere, are staying alive because people are making real efforts to keep their

towns attractive to visit. They are looking toward their future by showing off their past.

Calvert, population 1,790, was the next stop, not counting a picnic on the road from Bastrop toward Dime Box. The picnic was under a shady live-oak near a wine-cooling stream, and was served on a "Texian Campaign" toile tablecloth (inspired by the Staffordshire pattern) brought along by the Marshall Steves of San Antonio. Calvert, midway between Dallas and Houston, is a town that intends to stay alive. It has great old houses, park gazebos, even a cast-iron building, all dating from its cotton-and-railroads wealth of the 1870s and 1880s. To keep Main Street busy now, Mrs. Douglas McCrary, Mrs. Wesley Anderson, and other townspeople have converted unused banks and warehouses into a colorful row of antique shops, closed only on Tuesdays and Wednesdays. Money-raisers to preserve historic buildings are the Spring Pilgrimage house tour and a reissued 1910 *Calvert Civic League Cook Book* (\$4.75 postpaid from Mrs. McCrary, P.O. Box 36, Calvert, Tex. 77837). Out at the McCrary's Wildcat Farm, where the house is a remodeled depot, dinner was home-grown, even the beef. Mrs. Johnson stayed at their 1880 Blue House in town and the rest of us also awoke to the small-town sounds of roosters crowing and mockingbirds singing and the Jonesome sound of a train going through. For bed and board, wild-flower pilgrims usually go to nearby Bryan or Brenham.

Independence, population 140, was the next day's morning stop.

Weekly quilting bees, held at the restored 1839 Baptist church on Wednesday mornings from 9 to 12 (tourists are welcome), benefit a museum and local buildings. Sam Houston was baptized in Independence, said his pocketbook was baptized, too, and pledged to pay half the pastor's salary. George Washington Baines, President Johnson's great-grandfather, was a later pastor of this church and president of the local college that became Baylor University in Waco. Old Baylor's stately columns stand among wild flowers and picnic tables, along with an 1824 pioneer house, painted a characteristic indigo laundry-blue.

Washington-on-the-Brazos, population 265, is a whisper of its romantic past, when, as capital of a republic, it received diplomats from the United States and European countries. A handsome state park and star-shaped museum use

den, March 1975). She set dinner in the kitchen of an 18 double log cabin and put everyone under patchwork quilts for the night. Travelers usually stay in motels in La Grange, and recommend the BonTon restaurant as an informal place for catfish, chicken, or the Brazos Bell. Burton—good to know if one attends a summer concert at Rount Top Music Festival, founded by pianist James Dick.

Goliad, population 1,771, the last stop after miles and miles of wild flowers. It is about 100 hours south of San Antonio. When Mrs. Johnson was First Lady she brought the foreign press corps here for the beauty of the spring flowers and the 1749 Spanish fort, Presidio La Bahia, built to protect a mission to the Indians. It was reconstructed by writer/rancher Kathryn S. O'Connor and her family, working with architect Rayf Stripling. He joined Mrs. John-

House & Garden takes a Bicentennial trip with Lady Bird Johnson to see "small towns, wild flowers, and people doing something to preserve them"

local citizens as guides.

Chappell Hill, population 310 is a living-and-breathing small town on the Bluebonnet Trail. Not to be missed are views of the village, expertly appliquéd and embroidered on 30-foot tapestries by women of the local historical society.

Round Top, population 100, was the swift day's destination, in a green and rolling countryside that reminds some people of Ireland. Mrs. Charles L. Bybee of the Pioneer Arts Foundation showed Mrs. Johnson Henkel Square, a restored German-Anglo community in Round Top (House & Gar-

den on a tour of Mrs. Howard Ramsey's 1853 brick house and other. One of the many things that strike the modern visitor to Goliad, deep-South town with a chili-pepper tang, is that as the town grew big trees were never bulldozed. The streets simply split or meander around trees, and this eccentricity adds to the charm. Here, bed and board are no problem, but we had a special treat—a picnic in a pasture—near another interesting old town, Gonzales, on the way from Round Top to Goliad. Rancher Gilbert Denman simply mowed the clearing in the grass and set Nan Negley's feast on benches at



Left: In Calvert, an 1880 Victorian house restored by the Douglas McCrarys.



Below: In Washington-on-the-Brazos, 1884 president's house when Texas was a republic.

blankets hauled in a station wagon. Old towns and pretty countryside are not just America's past. They are what we are now. Mrs. Johnson hopes that during this Bicentennial year each of us will take "a back-home or close-to-home trip" and see our part of America with new eyes, the challenging eyes of the future. ■