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American Home

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COVER: This lamp designed by Neal Small Designs and Son is a preview of lamps to come. See page 78. The wool jersey floor-length dress is designed by Rudi Gernreich for Harmon Knitwear, \$100. Photographer: Pete Turner.

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THIS MONTH IN AMERICAN HOME

One thing that we are particularly proud of in this magazine is the quality of its photography, and if you are a reader of photographer's credit lines you will discover in this issue some names that you may not have seen before in our pages.

Pete Turner, who photographed our cover and took the remarkable picture of new lamps on pages 78 and 79, is often called the photographer's photographer-for his technical

John Zimmerman, who has photographed space shots and ability and creative individuality. Olympic Games—he happens to be the best ski photographer in the business—was the man behind the camera in 13 of the color pages of this issue. They were some of the most challenging pictures of his distinguished career. Light, the very substance of photography, is one thing to photograph by, and another to take a photograph of. At the Electric Circus, New York's temple of psychedelic sound and light, he found himself recomposing the show so that the projected images would give him the vivid color he wanted. At the Malcolm Forbes home, where he photographed the collection of kinetic light art, the challenge was more intense. All the artwork flashes on and off on different cycles. To get his picture, he deployed his assistant to one switch, Associate Decorating Editor Helene Brown to another, and had them pulling the plugs on the art show at 1- and 3-second intervals. But the strangest dilemma of all turned up at the apartment that appears on pages 82 and 83. One of the lamps there is activated by a sonic switch, and every time John clicked the shutter the light went off. John had to whistle to turn it on again for each picture.



Elizabeth Bowen

We are just as proud of the quality of the writing in this issue as we are of the photography. When searching for just the right person to capture the effect that light has on all of us, in this issue devoted to light and sound, we kept thinking of Elizabeth Bowen's poetic evocations of the light in her native reland, in Rome, in England in her novels. When you read the essay on light by this distinguished lady on page 70, you will agree that we could not have made a happier choice.

Furdonale

Here's why there's more carpet to the yard Kodel®



The yarn on the left is made of ordinary polyester carpet fiber. The yarn on the right is the same weight of special Kodel polyester fiber for carpets. See how Kodel is fuller, fatter, so it makes a richer, more luxurious carpet. That's why, weight for weight, Kodel gives you more carpet to the yard. See the colorful ad on the left.



Sound and light may seem like pretty basic stuff—but look what the Lifestylists are doing with it. . . .



Mine, all mine. C. Ray Smith can chuckle if he likes. The Army Corps of Engineers has turned off Niagara Falls to tidy up the foundations, but when the senior editor of Progressive Architec-

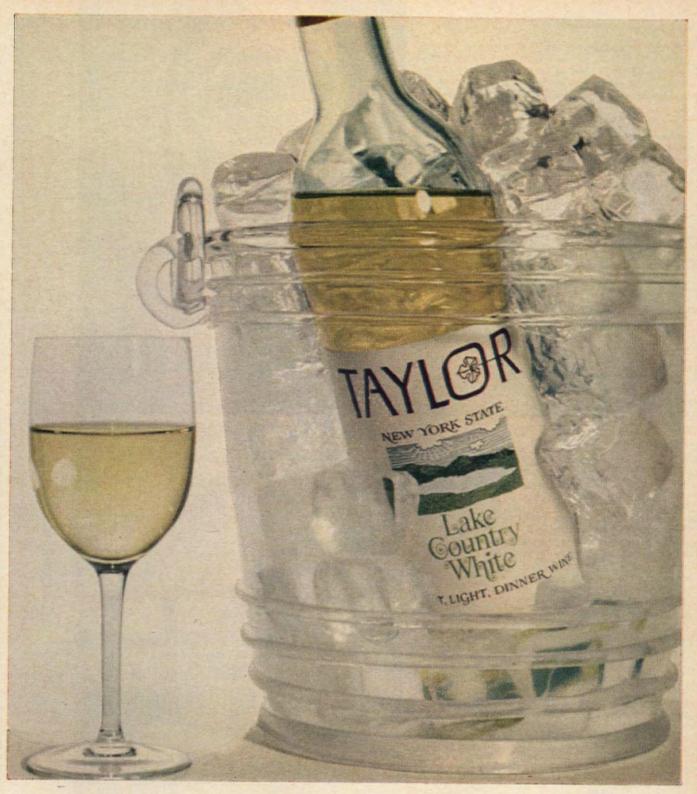
ture goes home and turns on the projector, the tons of wate crash again, majestic as ever on his all-white living room wall-though they can't extinguish the fire in his Victorian fireplace

There are these funny fibers that transmit light, and several industries all across the country use them to make lamps of light sprays. Here Mrs. Mark Miller, wife of the television star, chooses one to light up her buffet table. It is not going to burn up her artichokes or take the freezer-chill off the Russian vodka or scorch her guests because literally and figuratively this is a cool light.

Some kids in Omaha are getting more out of TV than the networks are putting in—if you want to try, get a piece of cardboard the size of your TV screen. Cut a bunch of holes in it. Cover the screen, turn off the sound and watch the light patterns (incense is optional). Daytime serials and news broadcasts are obviously no good, but this may be the only way to watch commercials and the Three Stooges.



If the noise of the city is getting t you, pick up Folkways records 6115 6120 and 6122. Go back to your apart ment, shut the door, lock the cat i the bathroom and put 6115 on you record player. This one is bird calls Then 6120, "Sounds of a tropical rain forest in America-animal, bir and natural sounds recorded durin dry and rainy seasons." And the 6122, "Sounds of the America Southwest," which offers rattle snakes, toads, thunderstorms an flash floods. All this should either soothe you or convince you that you'r better off in the city after all. If yo are a country dweller sated with th sounds of toads and flash floods get recordings 6170 and 6180relax with the noise of machinery applause, jet engines, New Year Eve in New York City, and New Yor City restaurants and street traffic



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LIFESTYLE continued

Old Wurlitzers, resplendent with chrome and neon and perpetual bubbles, are being snapped up by people "decorating their homes with antique or period pieces." Old jukeboxes are in, like practically all the homely relics of the thirties and forties, except people.

Because she doubts that thieves would eat and run, when Mrs. Entwhistle Thrip (whose name has been changed to protect her diamonds) goes away, she tucks her jewelry into hamburger patties and freezes them. Now if Tiffany and Co. were to merge with McDonald's.







The sand candle is a more demanding art form than the sand castle, so we are printing directions by Master Fred Harris, 12, of Louisville, Kentucky. 1) Melt paraffin and crayons in saucepan. 2) Rush to beach. 3) Dig hole in firm sand-where it is wet but where waves are spent or entire operation may be washed out to sea. 4) Pour paraffin into hole. 5) Stick in string for wick. Sand, shells and pebbles will cling to the candle, assur-



ing a special uniqueness and the impossibility of Aunt Agatha's receiving anything like it at Christmas.

If listening to music is a personal thing with you, curl up in the Lee Chair, a cocoon with two eight-inch speakers embedded in a fiber-glass shell that curves around a reclining seat. It costs \$600 and if listening isn't personal with you, buy six, invite seven people over and play musical chairs with your musical chairs.





As for the rarest music of all, you can hear whales sing if you are a friend of Roger Payne. Dr. Payne, of Rockefeller University and the New York Zoological Society, has been working with Scott McVay of Princeton studying sounds made by the humpback whale. Recording at the annual whale gatherings off Bermuda, he has come away with beautifully queer sounds occurring in a variety of exact, repeated sequences that captivate musicians who hear them. The humpback may be down there courting, arguing about the best way to head north to Nova Scotia or simply humming to itself while Dr. Payne listens with scientific interest, unscientific delight and some apprehension. The worst days of whale slaughter, he points out, were not in the 19th century; more whales were killed from 1959 to 1969—all for products available in alternative forms. Unless everybody shapes up, whale music may never be in because whales are going out—permanently.



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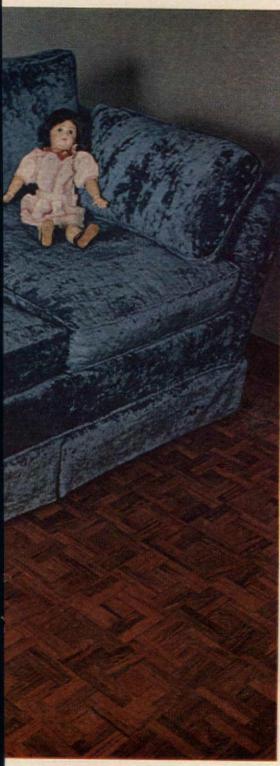
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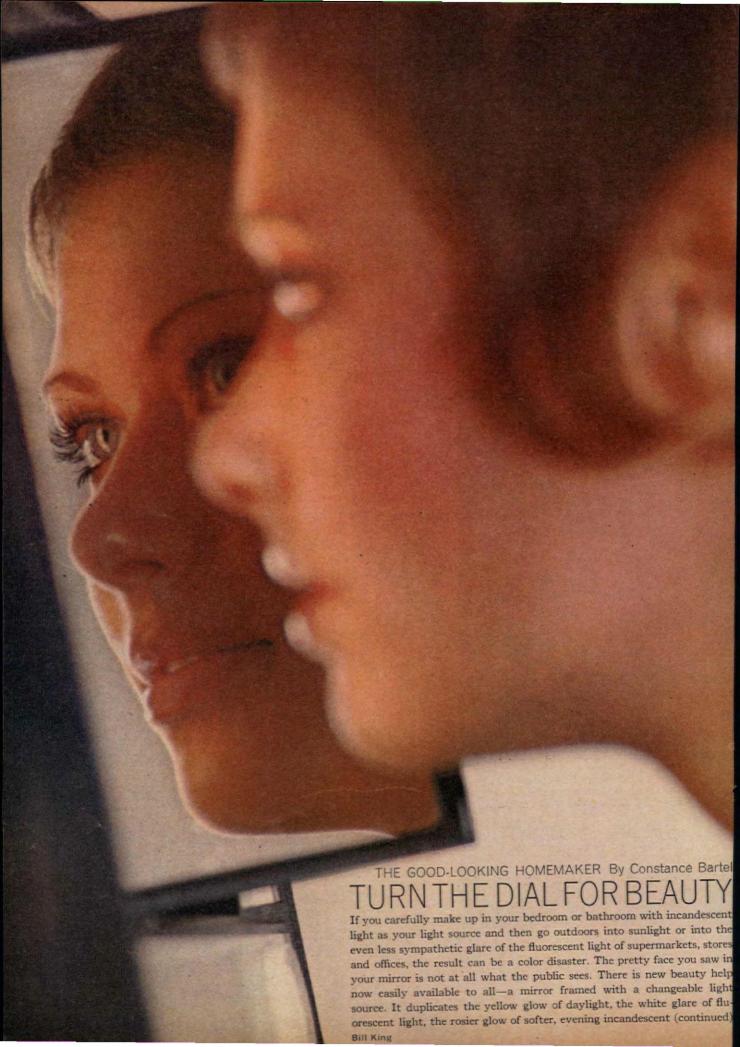
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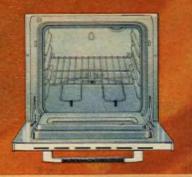
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5 HOTPOINT RANGES TO BUILD IN. Design above is a drop-in. We've also got slide-ins which fit flush with the floor. RF755 shown.



3 HOTPOINT WALL-OVENS. We don't miss a trick. There's a Hotpoint Self-Clean oven for every kitchen design. RJ756 shown.

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TURN THE DIAL FOR BEAUTY continued

light, the source used to light the beautiful face reflected in the mirror in our photograph. Clairol's Enlightened Mirror, shown in our photograph, costs \$40. Its dial reads simply Day, Evening and Office, but even if you rarely set foot in an office, fluorescent light is what you're up against in the brutal, harsh light of most public places. This month Mirror Go Lightly brings out their Classic Vanity. It has four light changes and costs \$50 with a three-sided mirror.

Applying your makeup under a controlled light adds its own color values to the colors of your cosmetics and helps you make the right choices. You can see the combined effect of color plus light in the mirror. Clairol's Master Makeup Artist Stan Place has some advice for making up your correctly lighted face.

For evening—either a dress-up, candlelit Evening with a capital E or indoor lighting under ordinary incandescent light bulbs—use pinks and browns. Pinkish foundation, rosy pink blushers and lipsticks, and brownish taupe tones for contouring and eye makeup are most flattering. Incandescent light contains yellow, and both the pink and the yellow in the browns harmonize. If you are a fair-skinned blonde and look your best by day in blue and violet tints, switch to neutral beige tones for evening. Your preferred blues will turn purple under incandescent light. Stan Place refutes the popular idea that the darker the setting (a dimly lit, intimate restaurant, for example) the more makeup you should wear. The paler makeups catch what little light there is, just as pale flowers gleam at night.

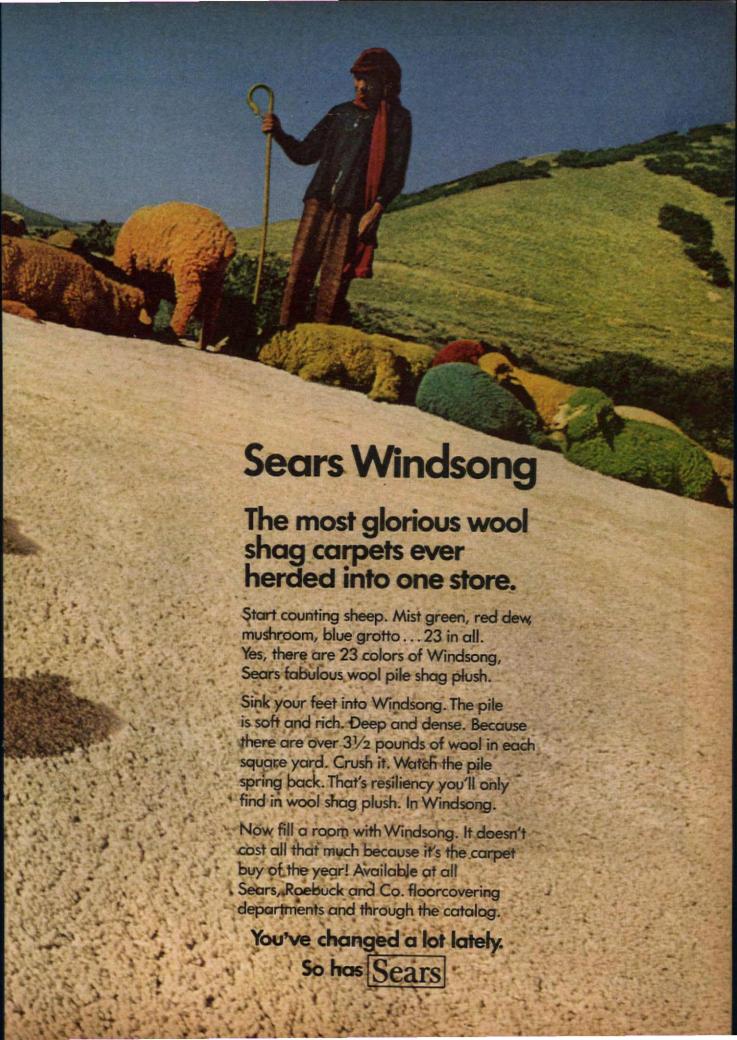
When you make up for fluorescent light, beware the pinks and browns. Concentrate on shades with a blue cast—foundation with a lavender tint, blusher and lipstick in blueish pink or rose, eye makeup in the blue and violet family, but avoid yellow. If you have brunette skin tones which you think look best in corals and oranges in natural light, and if in general you "can't wear blue," then switch to clear reds when you are going to face fluorescent light,

When you make up for the outdoors, for daylight, choose the shades that are most flattering to your natural skin tones—but be sure they are translucent. Even if you don't use foundation, a translucent rouge helps shape the face. The element of green in daylight, especially in a setting of lawns and trees, should shine through your makeup.

Obviously you make the most of a lighted makeup mirror when you know in advance that only one kind of light is going to shine on you. Making up for an evening of entertaining at home, or for going out to dinner and the theater simply calls for a quick switch to the "evening" setting. Or a day when you know you are going to be mostly in public lighting—a day's shopping in town or a meeting at you local Red Cross—you choose the "office" setting.

But what about days when you are switching from one light to another—from outdoors into the shopping center and back again? It's impossible to redo whole makeup a every light change. But what you can do, depending on how long you are going to be in a different light, is a quick bit of modifying. If your daylight makeup looks terrible as you catch a glimpse of yourself in a fluorescent-lighted shop, bit of blue-tinted powder and blue-based lipstick, carried in your purse for the purpose and applied out of the public eye, will help things. When you are about to emerge again another switch? Well, yes—if your "public" warrants it

One beauty secret that applies to both blondes and bru nettes is to use pink incandescent bulbs at home. Thei warm glow flatters everyone.



TO EMBROIDER FOR THE HOLIDAYS

Have you ever wished you could leave the decorations up after the holiday season is over? The Partridge Tree and Festival Wreath, both designed by Barbara Sparre, are two colorful embroideries with holiday motifs that you can enjoy all year. Easy-to-follow instructions and stitch charts will make you a master in no time. Both designs are stamped on homespun cotton fabric in colors shown. Crewel (wool) yarns are included in each kit. The Partridge Tree measures 12 by 30 inches, the Festival Wreath is 18 inches square. Frames of unfinished wood are available for both kits and come unassembled with put-together instructions. They are easy to assemble and paint or stain (no paint or stain in kit). We added bands of color for accent. See coupon for details.





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KINETIC LIGHT ART

By Howard Wise

Ever since the days of Rembrandt painters have used the representation of light in their work. The Futurists tried to depict movement on canvas—these were paintings of movement, not actual movement.

Today, some artists are using "real" light and movement in their work. These are the kinetic light artists.

It used to be that the artist was interested in the beauty of his natural environment: the rosy glow of the sunset, the majesty of the forest, the peace of the landscape, the glory of the flower. The artist "created order out of nature's chaos" and by his work enabled man to see nature through his eyes.

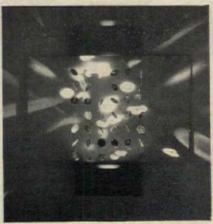
In life today, our surroundings are mostly of our own making and it is the function of the artist to discover their beauty, to transform it, to order it, so that we may enjoy it. You sense it in the lights of a city seen from a descending plane; the flashing, colored lights of

Broadway or Main Street; the racing reflections of a tunnel on the hood of a car. These are the inspiration which the kinetic artist uses as the subject matter of his works. This new art form has earned in a remarkably short time considerable respect and attention.

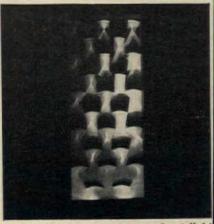
The first light exhibition Kunst-Licht-Kunst (art-light-art) was held at the Stedelijk van Abbé Museum in Eindhoven, Holland, in the fall of 1966. Its effect was "electric" in every sense of the word.

In January of 1964 I staged an exhibition, On the Move, which included works by a number of kinetic light artists, and later (November of the same year), an exhibition of the Group Zero, also concerned with light. These were followed by a number of one-man shows of kinetic light artists, including Len Lye (March, 1965) and Julio Le Parc (January, 1966) who later that year was to win (continued)

Multiple editions of kinetic art work look like originals, cost much less

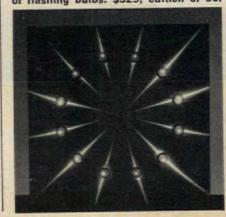


Mirror disks of Julio LeParc's Continuel Lumière Mobile throw dancing patterns onto backgrounds. \$750, edition of 250.



Curved strips of aluminum refract light in another of LeParc's Continuel Lumière light art series. \$500, edition of 100.

Howard Jones' Timepiece is a foot-high block of brushed aluminum with a circle of flashing bulbs. \$325, edition of 50.



Continuel Lumière Avec Formes en Contorsion by LeParc reflects light off a moving strip of Mylar. \$500, edition of 100,



Al Francekevitch

Here's one Oleg Cassini scarf you can't buy in a store.



KINETIC LIGHT ART continued

the Grand Prize at the Venice Biennale.

It then seemed logical to mount a kinetic light show in New York. Lights in Orbit (January, 1967) was an instant success, and since then the Howard Wise Gallery has averaged eight to ten shows of kinetic light art per year.

Two circumstances enabled the artist to use actual natural phenomena in his work, making kinetic light art possible.

The first was the development of devices by modern technology that permits the control, transmission and transformation of energy. Among these are small, geared electric motors; high-intensity light bulbs; proximity switches; polarized light analyzers; diodes; transistors and other miniaturized components. The second was the existence in New York of Canal Street and its many little shops where surplus electronic components, plastics, motors, etc. are plentifully available at far below original costs.

The stained-glass windows of the cathedrals were the precursors of modern kinetic light works. The shafts of colored sunlight and the patterns of colored light on the floor, both moving imperceptibly, as well as the mysterious luminosity of the windows themselves, provide an unforgettable experience.

The first record we have of a kinetic light work designed to respond to a human being was the Clavessin (harpsichord) Oculaire of Louis Bertrand Castel, a Jesuit philosopher-mathematician. Demonstrated in 1734, this "color organ" consisted of a set of transparent cloth bands controlled by a five-octave keyboard, and illuminated from behind by candles. Although this attempt to equate lights of different intensities and colors to music was doomed to failure, the idea dominated experiments in the use of light in art until Thomas Wilfred (1889-1968), after trying it with his Clavilux color organ (1922), sensed the fallacy of this approach: The human emotional response to sequences of light and color is different from and has no relation to its response to music. Wilfred then turned to "painting with light" as a pure art form he called Lumia.

During the 1920s, Moholy-Nagy of the Bauhaus constructed his Light-Space Modulator. This was an open device that projected light beams through designed metal shapes in motion, some of which also acted as reflectors, so that the walls and ceiling of a darkened room came alive with continuously forming and dissolving lights and shadows.

By 1945, Thomas Wilfred had perfected his self-contained unit which projected light beams through a system of filters, lenses, prisms, reflectors and sculptural forms, all in motion, to produce continuously changing forms and colors on a translucent screen.

There were no further important developments in the field until the late 50s when a number of groups were formed in Europe. The most important of these were the Group Zero of Düsseldorf and the Groupe de Recherche d'Art Visuel (GRAV) in Paris.

The Group Zero was founded by Heinz Mack, Otto Piene and Gunther Uecker. The founding members in the GRAV were Julio Le Parc, Garcia Rossi, Morellet, Sobrino, Stein and Yvaral.

Other groups which were active in this area were Gruppa T, Milan; Gruppa N, Padua: Equipa 57, Sapin.

Of course, not all the important experiments in kinetic light were the result of group activity. Individuals who have made significant contributions include Takis, using magnetism and light to "evidence the unseen forces that influence our lives": Nicolas Schoeffer, whose work has brought to fruition the possibilities inherent in Moholy-Nagy's Light-Space Modulator; Len Lye, whose stainless-steel sculptures make the viewer aware of the power of pure energy by flashing reflections and climactic sounds by the works themselves.

Bruno Munari, the Italian artist, industrial designer, author and pioneer in the use of polarized light in art, says, "You Americans are wrong. You say time is money-I say time is life. Slow down and enjoy it." And that is exactly what the viewer must do as he watches the slowly evolving iridescent light patterns of the Polariscope as they first involve him and then calm him.

Works of this genre include: Julio Le Parc's Continuel Mobiles where curved mirror surfaces reflect on a white background in ever-changing patterns the slowly moving shafts of light which impinge on them, or his Continuel Mobiles where delicately suspended reflective shapes cast dancing images over the walls and ceiling. Otto Piene's Light Ballets project ever-changing forms in various movements and countermovements over a room's interior surfaces. His Electric Flowers glow and dance in the dark. Earl Reiback's Lumias and John Healey's Light Boxes, both in the tradition of Wilfred, fascinate the viewer in much the same way as does gazing at the clouds or flames in the fireplace.

Editor's Note: Kinetic light art is far from being confined to art galleries. The major collectors are the Milwaukee Art Center, with its room (continued)

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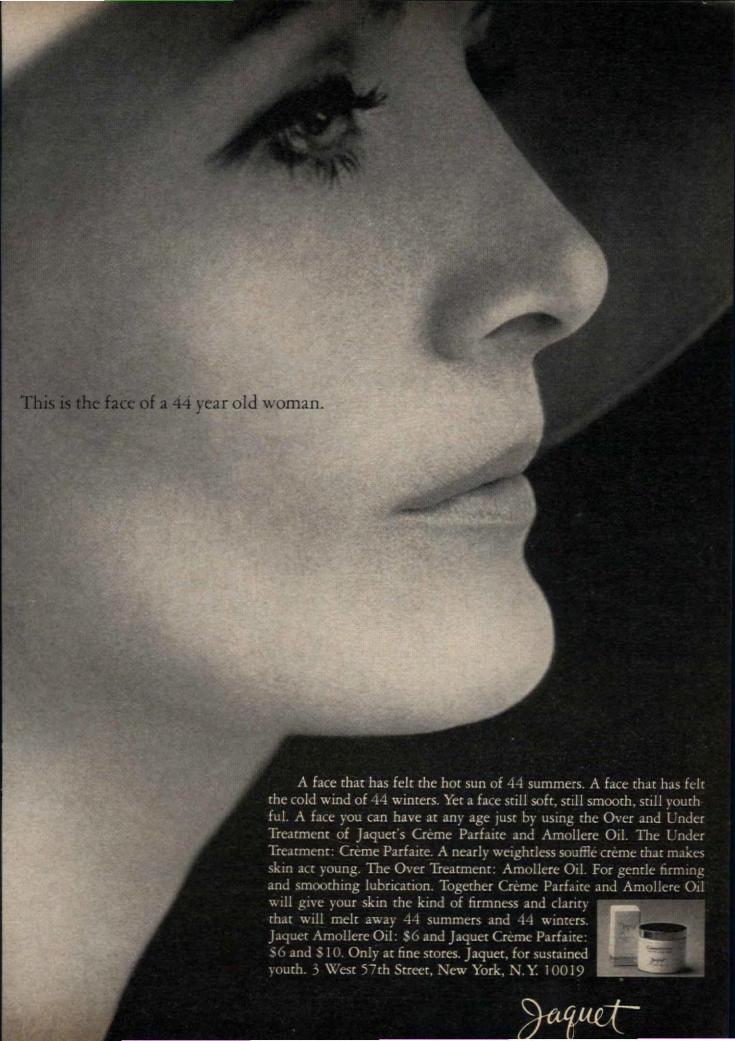
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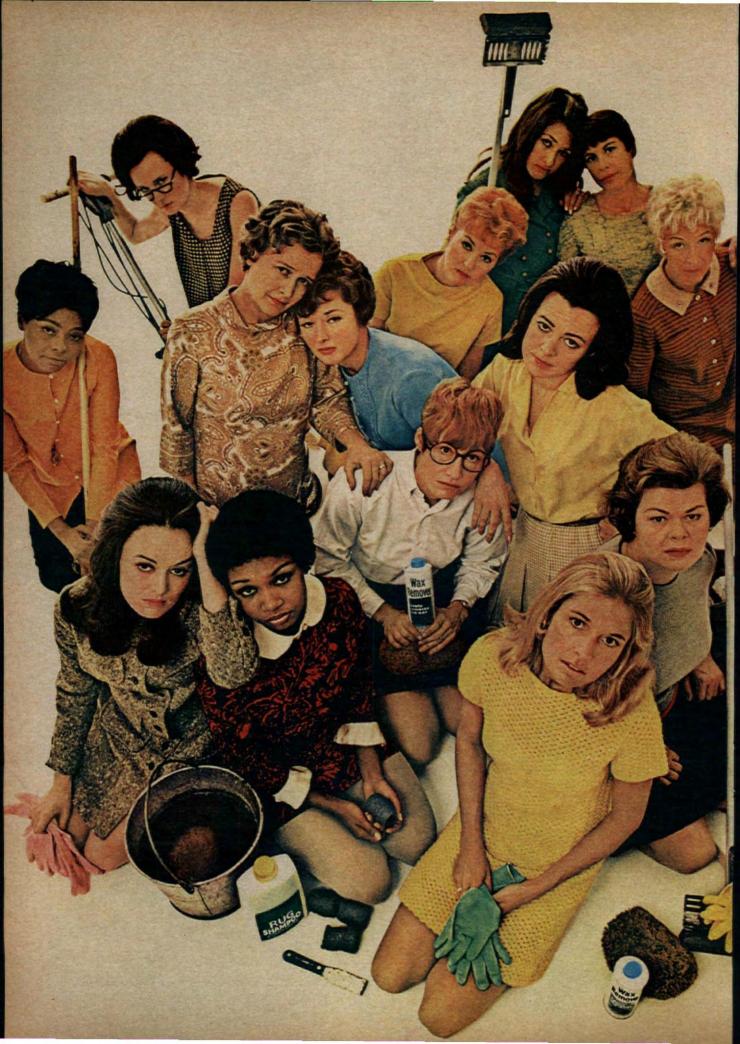
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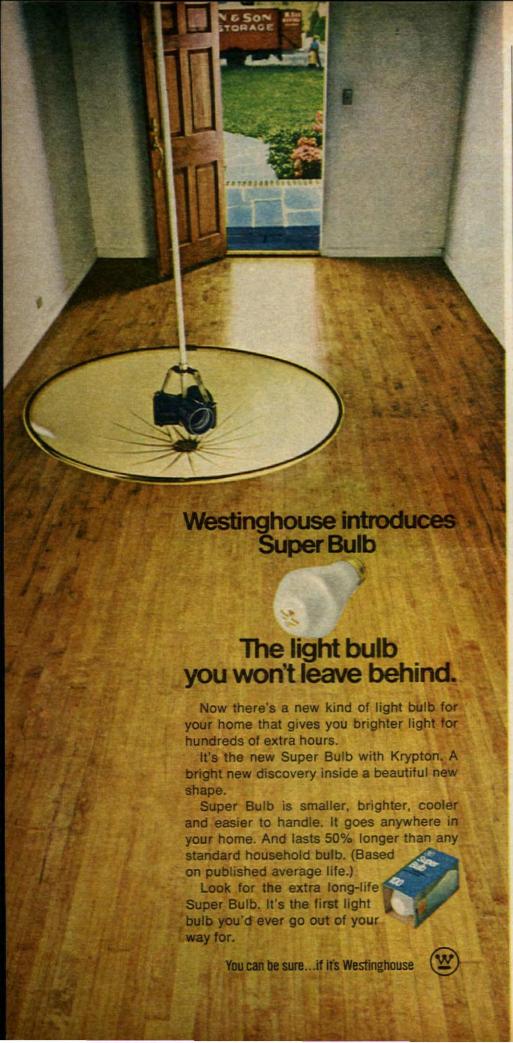


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KINETIC LIGHT ART continued

dedicated to kinetic art, the Walker Art Museum in Minneapolis and the Albright Knox Gallery of Buffalo, New York. Also, the Lannan Foundation and Robert Mayer, both of Chicago, are collectors. And Malcolm Forbes of Forbes Magazine has one of the finest collections in the country; see page 80.

Unique pieces in these collections often cost from \$2500 to over \$10,000. However, there are some relatively inexpensive pieces, called multiples, available from \$100 to \$700. Multiples, like etchings or lithographs, are seldom executed by the artist himself; they are dictated to a manufacturer who puts out a limited number—about 50 to 100 pieces. Normally smaller, multiples use the same principles of light control and the same materials found in the more complex, one-of-a-kind originals and major artists, such as Le Parc and Jones, are making them.

Most Americans already have potential kinetic light art right in their own living rooms: Television is kinetic light -it needs only to be "ordered" by an artist, as was demonstrated in a show at the Howard Wise Gallery last June called TV, a Creative Medium. This space-age light-and-sound box has been renovated by artists such as Nam June Paik, who creates brilliantly colored harmonic patterns on a TV screen by manipulating knobs. They may also use sound modulators to activate their sequences. Joe Weintraub has developed a device, AC-TV that, when attached to an unused channel of a color TV set, wil produce and control patterns by means of audio input. Tom Tadlock's Arche tron takes an ordinary commercia broadcast and transforms it into an ab stract kaleidoscope.

Artists who foresee a great future fo art on home TV screens are putting thei light sequences on video tape. In the no so far off future you will be able to buy video tape—an art work in itself—and be able to "play" it on your own screen A major television network has an nounced the imminent availability of device that can be attached to TV set to hook up video tapes, thus eliminatin having to own a \$1500 video tape play back machine to see your new art work Today original video tape works may sell for \$1000 and up; copies of them will be far cheaper.

Howard Wise, owner of the Howard Wis Gallery in New York City, has been catalytic force in the kinetic light ar movement and was among the first t encourage its exposure in this country



Isn't this the picture of Security?

Of course! She has a brand new Schlage Double Security Entrance Lock on her front door—the newest and only one of its kind in the world. Above the regular lock, there is a special "deadbolt" to make the lock additionally secure. A roller bearing prevents hacksawing through the deadbolt. And an armor plate shield covers both locks. In case of an emergency, one turn of the inside knob releases both locks. It resists being jimmied, sawed, pried, punctured or drilled. This is the entrance to a Schlage security rated home... with special features such as a "Schlage Security Closet" which keeps valuables safely in and children safely out, away from dangerous items. Plus dependable, firm, inside Schlage door locks. Would you like to know more about Schlage security—both locking-out systems?

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ELECTRICIAN IN THE HOUSE

By Marcia Spires

Not all lighting improvements are so complex that you have to rebuild your house to include them. Besides the downright practical gadgets shown here, there is everything from inexpensive, easily installed dimmer switches-available at electrical supply stores or by mail order-to plastic furniture that lights up like the ice sculpture in the middle of a banquet table.

One decorative project that is a do-itvourself one, is the light panel at right which simulates a window. To build it make a shadowbox frame or recess one into the wall between studs. Select a translucent material to cover the light source, then set an even wash of light inside the panel and decide whether to cover the panel with perforated screening, shutters or curtains. These panels can shed light on both sides to serve as dividers, if you like.

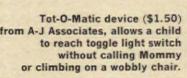
One place you can go for lighting advice, if you plan to do anything major in your home, is the local utility company. There are usually trained people on the staff who can help you to meet basic

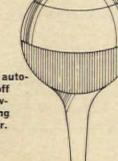
Set your garage or base-

ment light to turn off automatically after you leave, with this timer switch from M. H. Rhodes Inc. (\$8.35).

Add soft light to a room with a glowing panel designed and built for you. You can do it yourself.

Tot-O-Matic device (\$1.50) from A-J Associates, allows a child without calling Mommy





Light up your cloests without an expensive wiring job. Use this glue-on swivel light unit from Montgomery Ward (\$5.) It is battery operated, turns on when you open the door.

lighting requirements and can give you

more comprehensive information than

either an electrician or a lighting fixture

supplier. Have confidence in all these

people, for they specialize in the instal-

lation and selection of fixtures. Be pre-

pared to invent some ideas of your own

and then rely on the experts for evaluat-

pensive light fixtures is an industrial or

commercial lighting firm. Look in the

yellow pages under lighting-fixture man-

ufacturers and retailers. One architect

successfully uses billboard lights over

garage doors and gymnasium lights in

kitchens. Some of the lights used in store

showcases can be adapted to home use

too. Keep in mind also, that some builtin ceiling units, such as a series of lights

on a track can be surface-mounted on

either the wall or ceiling. In any case,

don't think of good lighting as a luxury.

Familiarity may make you forget how

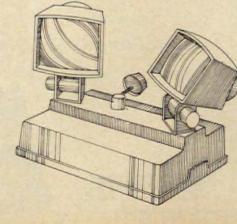
really dim your own house is, but once

you've been exposed to good lighting,

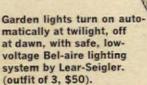
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ALL ABOUT DECORATING

Edited by Vera D. Hahn

Three designers talk about light: Jack Lenor Larsen, Lawrence Peabody, Josef Head. On the following pages: Today's bare bulbs and how to use the lamps of yesteryear.

JACK LENOR LARSEN is essentially a textile expert, designer and weaver. He also comes as close to being a Renaissance man as anyone we know in home furnishings. A specialists' specialist in his own field of lavish decorator fabrics, his interests are literally global. Not only has he established branches of his firm in Europe, he also travels the world looking for design inspiration, and his creative curiosity leads him across borders into allied fields. His latest collection is called Reflection Forms and uses metallic yarns, aluminum and micalight is Jack Larsen's newest interest. Here is what he has to say about it.

"Life and light are almost synonymous. Light, or lack of it, affects us deeply yet we still haven't learned to control it—to design with this intangible.

"Most rooms I've been in are drafty in terms of light. Too much darkness seeps in between the bright spots.

"During the first half of the century emphasis was on the functional or intellectual aspects of interior design. Now it's on the emotional ones. All we want to know today is how an interior makes us feel and how it makes us respond to other people. Light is, of course, a big factor in making us psychologically comfortable or uncomfortable.

"The public has accepted air conditioning and is now beginning to consider sound control quite seriously. It is strange that there is still so little interest in learning more about what good lighting can do for us, though lighting is possibly more important to our wellbeing than the other two.

"As this nation becomes more and more urbanized we must make up for the lack of living by changing light. The static light conditions of modern offices and homes are deadening to the psyche. Artificial light should copy the subtle changes that take place in natural light during the course of each day. The live quality of candlelight and firelight should also be an inspiration to anyone designing a room.

"Psychedelic light only approximates this liveliness—it is designed to shock and stimulate—but it is the serenity and repose we need so badly today.

"When lighting a room, one should think not only in terms of lamps but in terms of reflective surfaces because these are often the most effective light sources. Light-colored, flat, shiny, metallic surfaces have high reflectance ratios, as do silks, satins, velvets and silky carpets.

"Light is the most important element in a room. Better a bad space with good light than a good space with bad light. Light can do more for a room than cosmetics can do for a face; it can wash out all that's bad, focus and emphasize all that's good to see."

LAWRENCE PEABODY, the jet-age designer, commutes between his home in Haiti, his jobs and his native New England where he runs the family farm. Recently we caught up with him, high above the clouds on a flight from North Carolina to New York. We had always classified Larry Peabody as a furniture designer but lately he has branched out into lamp design. Last January he did a major group for Haeger Potteries and now he has completed another for Sears.

"This is the year of the great light break-through," says Larry Peabody. "Lamps have finally outgrown the old base- or vase-and-shade concept. Light is what today's lamps are all about—it's mainly what they're made of. Forget the old rule that all the lamps in a room had to match or be of the same height. To fit the total environment idea we now treat all the light in a room as a total volume, not separate parts.

"In the very near future we will have cordless lamps and light constellations (or multiples) that will make walls and ceilings seem alive with light. With plastics coming of age a ceiling can soon be your own private, rheostat-controlled heaven. Imagine a whole ceiling of softly luminous plastic bubbles—constellations that will have do-it-yourself adhesive backings for easy installation.

"Plastics are already responsible for the use of light as a functional art form for a kind of sculptural diffusion or explosion of light. There is no doubt in my mind that light is the new art medium, the newest way to express yourself in a room, to create excitement.

"The psychedelic use of light that moves, pulsates, vibrates, flashes is extremely significant because we had all but forgotten that light is movement. Firelight and candlelight move, only electric light is static." JOSEF HEAD is the young president of a successful old lamp firm Tyndale-Wilmar. Here is what he says about the new light scene: "If you're planning to buy a lamp this season you're in for a pleasant surprise. Lamps used to be for lighting but now they are what I call turned-on accessories. If it is lighting you're after, look for specialized lamps. Some just sit and glow others are light sculptures, but whatever they do, they have turned into decorative accessories and that's how you should use them—for general illumination."

- The Parsons table style carries over into lighting design. This modern clas sic, or cliché, if you prefer, has inspired a handsome Parsons lamp. Responsible Designer Jack Haywood for Modeline of California. The floor lamp is square 64 inches high, has a translucent shade and does, indeed, sit on a small Parsons table base.
- Reporting on lamp shopping tips from Nela Park, General Electric's Lighting Center (Nela stands for National Electric Lamp Association) Associate Build ing Editor Marcia Spires:
- Take a tape measure when you se out to buy a lamp. What appears to be a medium-sized lamp in a department store, with its 12-foot ceilings, may be gigantic when it is actually placed in your living room.
- 2. Keep in mind that lamps in depart ment stores are on display. They are no there to provide light and therefore only have very dim light bulbs in them. When you get them home and put in a 100 watt bulb, the shade may suddenly appear a lot skimpier than it did in the store with a 40-watt bulb in it. You may have to get a heavier shade or insert at extra layer of lining to keep the bull from glaring.
- 3. Many lamps are not shielded at the top. When walking through the room the harsh glare of the bare bulb hits you right in the eye. A solution: Cut a circle of filigree metal or fiber-glass sheeting to fit the top of the lampshade.
- When planning lights for making up the idea is to focus light on your fac and to be able to adjust it to simulate day or evening light. (continued

The End of the Search

You'll find 156 colors of Imperial Satin fabric at Sears.

Apricot Rosewood LemonSageDark StrawberryRoseLight OrangeIce JungleMoss IndianSandDark GrapeSherbert Spearmint AppleGreen TawnySmokeLight Goldenrod GlacierBlue Jade AutumnSpiceBright Flame Mango StrawberryBurgundy GrapeLavender Cedar Pistachio GooseBerry GreenPepper AutumnOrangeBright Clover CactusGreen MediterraneanBlue FederalSlate Bittersweet Copper StrawberryPink Pimento TerraCotta Aquamarine DoveGray SpringViolet ChinaBlue EucalyptusGreen AvocadoLeaf StratosphereBlue AutumnOrangeLight Ebony LemonBrass AutumnOrange Chamois Honeydew IndianSand MyrtleGreen WinterWhite TawnyMushroomLight FiestaPink Banana

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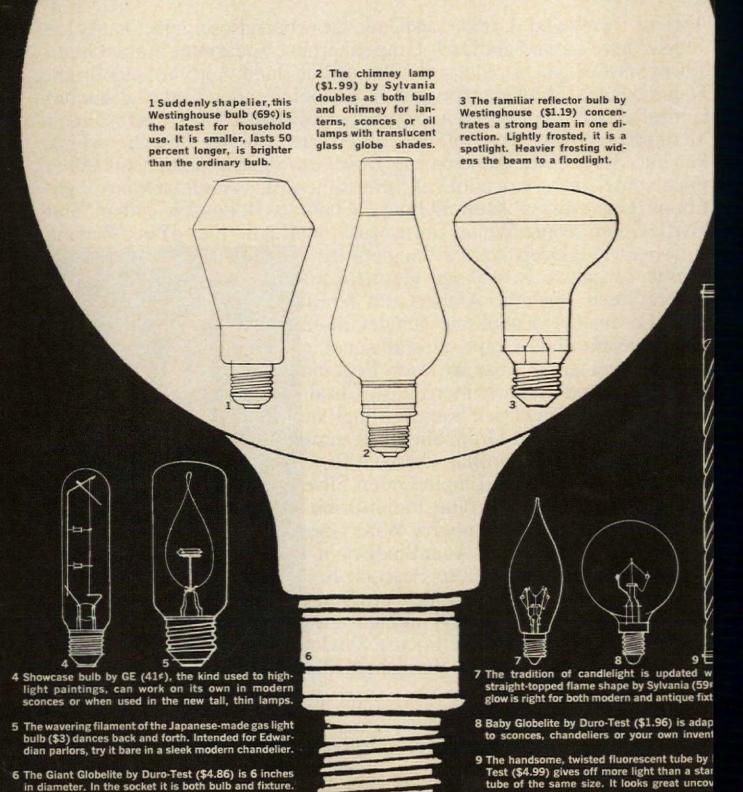


Custom-made draperies that won't cost you a fortune. In the exact style you want. The exact color too — Sears Imperial Satin viscose rayon and acetate fabric comes in 156 colors. At most Sears, Roebuck and Co. stores.

You've changed a lot lately. So has Sears

the bulb show

Light bulbs have come of age and no longer have to be hidden and ignored. They have taken on new shapes, are better looking and much more functional. As the pages of this issue testify, incandescent bulbs and fluorescent tubes do more now than ever before—either inside the new sculptural lamps shown on pages 78 and 79, creating architectural effects, or just turned on, brazenly bare. Clear, bare bulbs come in low wattage with fine filaments; the supersizes should be frosted. Even the most familiar bulb can be used in new, exciting ways. The bulbs shown have two standard bases: candelabra (interchangeable with large Christmas tree lights) and medium (the everyday bulb size). Bulbs with extra-large glass globes have bases that fit into medium-size sockets. Experiment with cords and sockets, too, and turn on your own dazzling light show.



Charles Rieger

conti

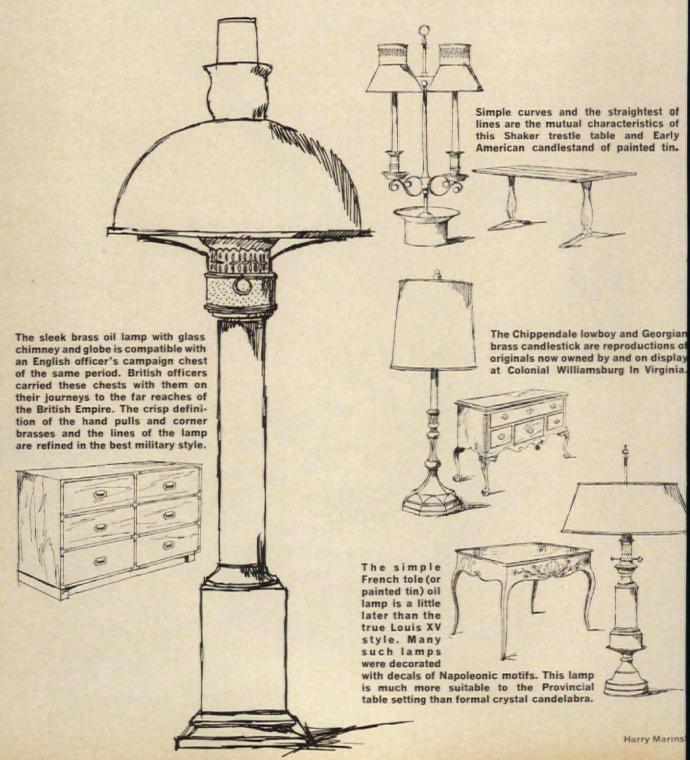
Treat yourself like company. With Lady Scott



in the best tradition

The drama of bare bulbs and sculptural light is not for everyone. There are still dedicated traditionalists who want period lamps to go with antiques and period reproductions. What do they do when the style originated before electricity was invented? Since candlesticks and oil lamps were the major means of lighting, the best lamps to use are electrical adaptations of these. A solution other than those shown here are vases, tea caddies, ginger jars or other contemporary artifacts of the period that have been converted into lamps. Each lamp sketched is as close in

date and origin to its respective furniture style as possible, although the rule is a loose one. Lamp styles in different countries often intermingled and became similar in line and materials. When an authentic lamp can't be found, the best substitute is a modern one that approximates the antique materials and design. The greatest mistake is made when lamps are created out of old pieces that are not of the period and, in addition, look incongruous as lighting fixtures. A 19th-century coffee grinder with a shade on top does not become an Early American lamp.



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and though we've a big operation, we do ut as much work by hand on our made-tosure draperies as any custom business. We hand shape our pleats. We miter ers. You can't even see our stitches. We

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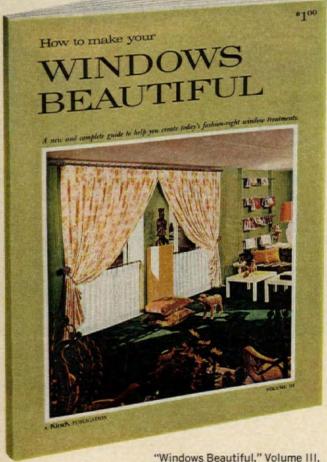
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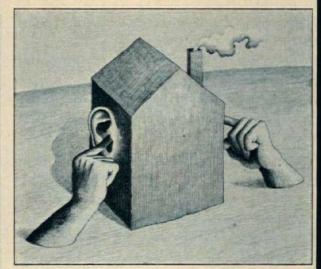


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GIVE YOUR HOUSE A TRANQUILIZER

By Mary Anne Guitar

Wouldn't it be wonderful if all we heard was what we chose to hear? Music, agreeable conversation, the fire crackling tinkle of ice, children's laughter? Instead, in this high-decibel world, we must audit George and Martha next door, the electric guitar down the street, mournful dog wailing baby, rip of the power saw and moan of the mower Add to these more or less neighborly noises the jets and supersonic boom overhead, the freeway whine creeping closer, the earth-shattering drill and dig. Some environmentalists rank noise as a pollutant (sure sign of status these days), claiming that prolonged loud sounds can actually destroy hearing. We know what they can do to the nerves

Even home, once a peaceful, private refuge is getting to be as noisy as all outdoors, sorely in need of a tranquilizer. The raft of stories about people running to answer what turns out to be the neighbor's phone, or talking to the wrong husband because the walls are thin, attest to that Surely you've heard the one about the startled lady in Chicago whose medicine cabinet inquired one morning "Mirror, mirror on the wall . . . Who is the fairest of us all?" "You are," she replied, thus reassuring the man in the next apartment whose bathroom backed up to here without a civilizing layer of insulation.

Most of the literature of audio-insult comes from frus trated apartment dwellers whose luxury digs have turned out to be embarrassingly public. But even those who once thought suburban taxes bought restful ease admit that their neighborhoods are altogether too turned on. No wonder. The house is plugged into dozens of labor-saving pleasure-giving devices, and the vibrations can't help but get to us. We don't want to do without electronic help indeed we couldn't. One consumer authority estimate that the average household is served by the equivalent of 85 to 90 male workers. Think of the racket that little army could make. The question is: How can we keep the outside world from intruding and also reduce the buzz o household hardware to the discreet purr of a Rolls Royce The point of noise control is not to eliminate all sound bu to get rid of what fractures the nerves and then bring the decibel count down to a tolerable level.

Obviously it makes sense to build sound conditioning into a house rather than add it later. Preventive (continued Guy Billout

Oriental Originals

Not prints but artists' full color
Batik originals etched on
hand-loomed cloth. Done in the
Teng Dynasty manner (618-906 A.D.)

FOUR RARE DECORATOR PIECES \$3 EACH



GODDESS HEAD



LUCKY GIRL



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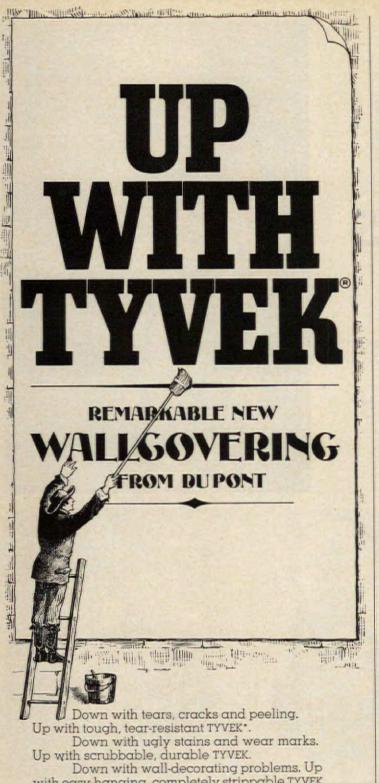
TROOPER HORSE

Oriental artists love doing these antique style Batik paintings. Jewel like hand-ground, colors depict ancient Chinese themes. Etched on woven cloth in the ancient dynasty manner, each piece is different, fresh and "alive" with color.

We got a batch of these gems for a song. Don't tell what you paid — just put them up and have them admired. Each about 14" x 17" over all. Ideal for any wall area or grouping. (Exciting dimensional effect if displayed in front of light or window.)

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Better things for better living ... through chemistry

TRANOUILIZE YOUR HOUSE continued

medicine is always easier to take and less expensive. A house should be sited so that the bedrooms lie farthest from the street, so outbuildings serve as a sound shield, the natural lay of the land used as a buffer zone. Stagger inside doors so that sound won't flow in a direct line. Put closets, storage walls and fireplaces between rooms to act as sound absorbers. Use insulation around pipes and ducts. Making sure heavy-duty appliances are cushioned and isolating utility rooms will work small wonders in noise control. Mass used to be the only answer to insulation, the heavier the wall the better the soundproofing. New acoustical materials can do a big job, even if they are lightweight, but they must be positioned strategically.

Once you understand how sound travels (this is not a course in Physics 22) tranquility becomes economically feasible. Even if you live in a house built before sound conditioning was considered an essential creature comfort, you can remodel and/or decorate for a quieter habitat.

There are two major sources of noise-airborne sounds and impact sounds. When the baby is crying the misery is airborne; when she bangs the floor it makes an impact. The impact noise is going to bother someone on the floor below and also set up reverberations in the room itself. The airborne cry will bounce around the room until it wears itself out, passes through the walls into an adjoining room or floats out an open or unsealed window.

The impact noise can be soaked up with a thick carpet, plus pad, or resilient flooring backed with insulating material. The airborne reverberation can be stilled if acoustical material is applied to floor, ceiling or walls. Any such treatment should reduce the noise level by 50 percent.

Remember, too, that background sounds such as traffic, the hum of the air conditioner and furnace tend to mask other noises. In an effort to make their calling seem less for midable engineers describe this masking as "acoustica perfume." If you live on a busy, noisy street you are fairly drenched with acoustical perfume and can tolerate a higher decibel count indoors.

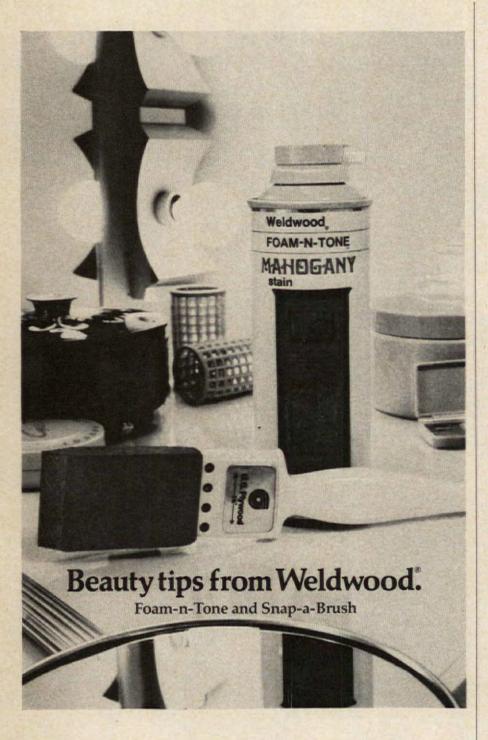
Predictably (but who's complaining?) the people who make acoustical materials are busily proving that life car be quieter. The Owens-Corning Fiberglas Corporation has demonstrated that the noisiest dishwasher tested at their Sound Laboratory could become 60 percent quieter and that air conditioning noise could be cut by 65 percent with a modest investment in (naturally) Fiberglas insulation.

In point of fact, appliances are far quieter than the once were. Better insulation, fewer moving parts and improved technology are contributing factors to nois reduction. For the most part we no longer hear grating sounds on newer appliances. Even the portable fan ha lost its attention-getting whirr and refrigerators are quieter. Like dishwashers, washers and dryers have coma long way in improved design for noise control.

Furnaces and air-conditioning units have calmed down as well. You can improve their performance even more by investing in larger motors, blowers and fans. When machine doesn't have to strain to do a job it is found t sound more relaxed. Obviously, some appliances are goin to make themselves heard at work because they are small powerhouse units. Mercifully, they work fast. In a roor that has been acoustically treated with carpeting, cushio flooring or ceiling tile, the reverberations are minimal.

The Carpet and Rug Institute recently sponsored a serie (continued of tests to demonstrate the effectiveness of





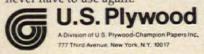
Getting your home in shape is now just as easy as making yourself pretty. Because Weldwood has made things a lot faster and a lot less messy.

For instance, we've got the easiest stain in the world. New aerosol Foam-n-Tone." You just foam it on, wipe it off. No dripping, streaking or spotting. Comes in six glorious shades that'll match almost any wood in your house.

We've also designed – just for you – the easiest brush ever. Snap-a-Brush.

It's disposable, re-fillable, sensational. Use it like any other paint brush, but then snap it apart, throw out the brush and replace it with a refill. It's as easy as switching lipsticks.

Look for both of these Weldwood products – wherever it is that you used to get the hard-to-use, complicated, messy things you'll never have to use again.



TRANQUILIZE YOUR HOUSE continued

padded carpeting in solving noise problems. They claim it is superior to all other floor coverings as "a versatile acoustical material." Certainly it is highly effective in deadening impact noise. The hard-surface flooring industry points out, in the spirit of friendly competition, that vinyls now come with a cushion backing or are made, sandwichfashion with a layer of absorbent material between the backing and the wearing surface. Cushion vinyl not only reduces noise transmission, it also effectively muffles the sound of footsteps. In rooms where there is constant traffic, like the kitchen, this is a big plus. Interestingly, linoleum still ranks high as a quiet flooring. It has that all-important porosity. You know how quiet it is after a heavy snowfall. The porosity of snow makes it a super sound absorber.

Perhaps the ultimate in sound conditioning has been reached with the development of wall "carpeting." A new product called Burlington Wallscaping comes in carpetlike textures and 15 colors. Of course, the companies which make insulated drapery material have long advocated the use of draperies not just to cut out window noise but to curtain walls, as well.

Ceiling acoustical tile can cut the decibel count in a room by five to seven points, although it isn't much help in muffling impact sound from the floor above.

There's that dreaded word "decibel" again. It's like "calories." You know you'll never understand how they arrived at the measurement formula, only that too much is bad for you. That's all you really have to know. When the decibel level reaches 130 you've reached the limit of your ears' endurance; at 180 it can shatter a building and be fatal to humans. Most of us cruise along comfortably in an environment producing 40 to 60 decibels. When we're riding in an automobile it rises to 80. The noise in a discotheque hangs at 100 but can reach 120. Obviously, personal taste is going to influence one's decibel appetite. That's why the traditional definition doesn't seem very workable as a pollution means. A teen-ager may crave that discotheque count and may not care if it deafens him. We wonder how young ears can tolerate the rock and roar of the new sound and they can't understand why we like to "discuss" politics at the top of our voices. One man's noise is another's soothing sound. That's why, short of a flawless insulation job, (continued)



The Warners had a deep-seated decorating problem.

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The Warners' problem was Mr. Warner. He didn't fit into the type of dining room Mrs. Warner wanted.

She dreamed of a delicate, elegant room. But Mr. Warner wasn't at all delicate.

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We're not just furniture salesmen, but skilled home planners...anxious to help with any decorating problem. We listened to Mrs. Warner. Looked at Mr. Warner. Then suggested American Traditional in gracious Sheffield cherry.

We helped Mrs. Warner coordinate her carpet, draperies and wallpaper panels. The sconces, candlesticks and accessories are all from the Ethan Allen collection—all carefully chosen to achieve the delicate elegance Mrs. Warner was after.

Mr. Warner? He finds American Traditional "downright comfortable".

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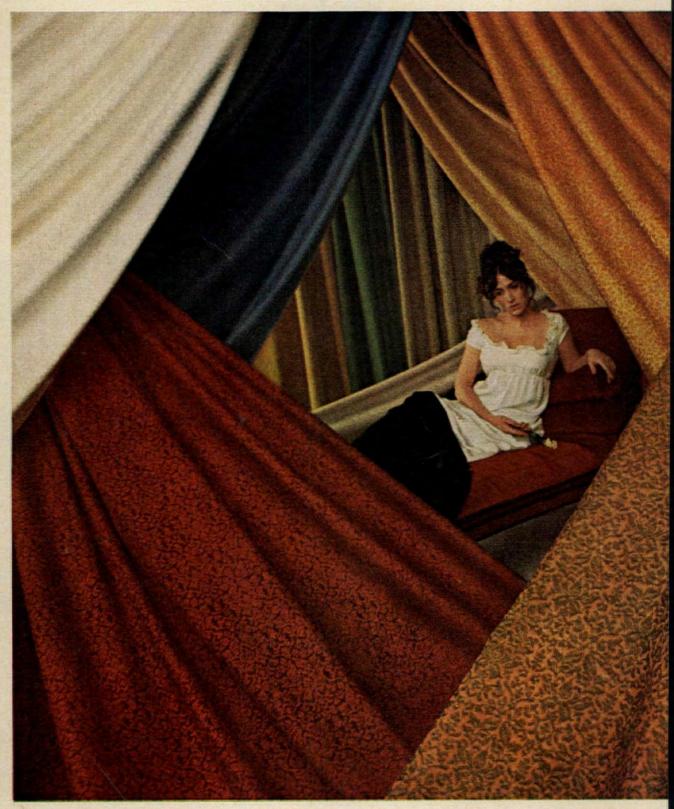
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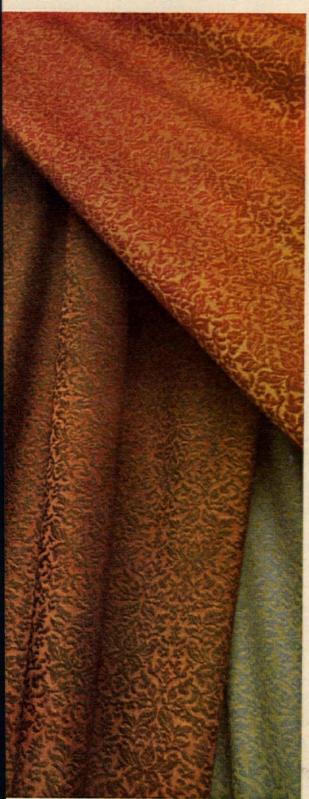
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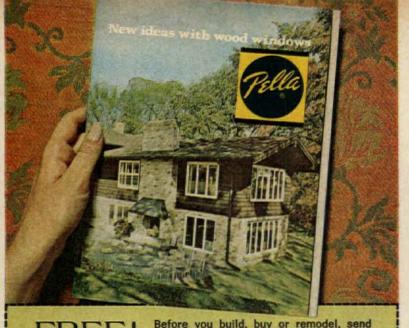
The look is rich. The fabric a cotton and rayon damask. With tiny "feathers" woven throughout. Feathers like those Empress Josephine liked best. That's why it's called Petit Plume.

Sears took this elegant jacquard design and had it made into draperies for you. Draperies in colors like emerald green. Bluejay. Tone-on-tone combinations like red with gold. Twelve regal colors in all. And all available at most Sears stores, or by catalog.

But the real revolution came when Sears had these damasks Perma-Prest.® Now these Neatnik™ draperies machine wash, tumble dry, and need no ironing. And they're backed with Thermalgard acrylic foam to keep heat in and cold out.

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TRANQUILIZE YOUR HOUSE continued

decide to take care of the noises the bother you most and not worry about the rest. Just play it by ear.

If the house is beginning to sound like an electric circus, you can quarantir the young musicians in a soundproofe bedroom, basement or garage. If yo are driven mad by the clanging of po and pans, rumble of appliances, yo may decide to lower the decibel count the kitchen. It's easy enough to gent down the kitchen noises by carpeting the floor. Not only does it actually so up sound, it also looks tranquil. There something psychologically satisfying about such luxury in a workroom. compensates for the inevitable noise l making us feel just a bit more relaxe Dr. Lee E. Farr, Professor of Enviro mental Medicine at the University Texas, rightfully points out: "A tire taut person will certainly not leave kitchen pleasantly relaxed, nor do t roars, squeaks, whirrs and whines issuit from it lead to quiet contemplation pleasant meals by those who waiting to dine."

If bathroom pipes gurgle and whist an investment in quieter plumbing cou solve your problem. Or you can isola the noises by making sure the bathroo door is tight and soundproof. Weathe stripping can improve sound control 1 15 to 20 decibels.

While acoustical materials can a much to deaden sound, they cann eliminate sound altogether, they on absorb those sounds that reach the They can do for noise what dark pai does for glare. Paint a room black as some of the light is absorbed, softeni the room's overall lighting. But the ligh bulb still glows. It is up to us to ta preventive measures and contain noi at the point of origin. That may invollittle more than ordinary consider tion—turning down the TV, transist or phonograph is a start.

If you're really serious about noise co trol in your house, you'll go to t root of the entire collection of ordina squeaks and rattles—the ones that c be eliminated by simply tightenin leveling or lubricating in the right place

The appliance that needs the monattention is probably the human voice. We, after all, set the machinery in monattent to the general document of the desired possibly we could reduce the desired believed to the simple act. We could—as President Nixon a vised in his Inaugural Address—low our voice. Lower, lower, lower. The isn't that better?



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This is the KitchenAid Food Preparer. A real work-saver, space-saver and money-saver.

For, with optional attachments, you can use it as a can opener, meat chopper, vegetable slicer, ice crusher, sausage stuffer, orange juicer, knife sharpener, cabbage shredder, silver polisher, ice cream freezer, and apple strainer.

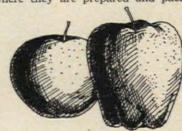
And you can't beat it as a mixer. For example, Model K45 even has the power to knead bread and roll dough.

The Food Preparer comes in handsome golden harvest, avocado, sandalwood, and white. If you'd like more details, send the coupon. Unless, of course, you'd rather come up with the money—and the counter space—for a dozen separate appliances.

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On our trip to Yakima, Washington, where we prepared and photographed the apple desserts on page 90, we learned about CA (controlled atmosphere) storage. We visited one of these new scientifically designed rooms at Sundquist Fruit and Cold Storage, Inc. The apples, we were told, are picked in September or October, rushed to the storage plant where they are prepared and packed,



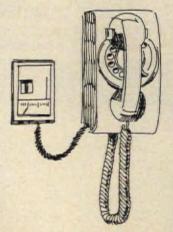
then are "put to sleep" at their peak of freshness until they are ready to go to market. The refrigerated fruit is kept in an atmosphere containing very low amounts of oxygen and controlled amounts of carbon dioxide gas. This maintains a quality similar to freshly picked apples and gives them longer shelf life than cold storage, the other way fruits are generally stored until ready for distribution. This means that outof-season apples are available virtually all year long. Apples that respond best to CA are: Red Delicious, Golden Delicious, McIntosh, Cortland, Jonathan, Rome Beauty, Northern Spy. Some cherries and winter pears are also stored in the CA process. Research is under way for other fruits.

The American Dental Association has announced recognition of the Water Pik oral irrigating device by Aqua Tec as an "effective aid to the toothbrush in a program of good oral hygiene to supplement regular professional care." A pulsating stream of water lifts away loose particles of food between teeth and gums, through small jet tips (a different colored one for each family member). We suggest that you ask your dentist's advice about using one.

At the recent National Association of Housewares Manufacturers' Show held in Chicago, oral irrigating devices were big news—as electric toothbrushes were Max Jordan a few years ago. Now GE, Westinghous Sunbeam and several others hav brought out similar products.

Other highlights at the show wer ultrasonic cleaners (see page 62); ele tric hair setters, some of which use wat to create moisture for setting; more fa cial saunas and manicure sets; a men hair styler with brush and dryer and a na dryer that heats the nail before addir polish (makes polish dry faster) bot from Schick; a toaster with a kee warm setting to hold toast until read to be used (Hamilton Beach); an ele tric fondue cooker (Oster); a toaster wit a pastry setting for pop-up pastri (Universal); a steam iron with a setting for "one shot" of extra steam for stu born spots (Sunbeam).

Tip: We like to add very thin slic of dill pickle to crisp lettuce. Sprink lightly with crushed dried dill, salt ar freshly ground pepper. Toss with oil ar vinegar. It is a splendid embellishme for steaks, chicken and chops.



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News in vacuum cleaners: What Hoosays they did with their (continue

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This can be the last seven days you ever FEEL ROTTEN!

Because—in as little as seven short days you can start saying goodbye to hypoglycemia—a dangerous and completely hidden cause of chronic fatigue and painful illness THAT MEDICAL SCIENCE HARDLY RECOGNIZED UNTIL NOW.

Yes, now Clement G. Martin—the same world-famous physician who gave you the national best seller HOW TO LIVE TO BE 100—goes one step beyond mere longevity and gives you his new trail-blazing guide to FOOD MEDICINE! To simple, enjoyable eating that can KNOCK OUT HYPOGLYCEMIA, with simple, tasty meals that make you feel fit, fine and ready for fun.

This easy way to EAT YOUR WAY OUT OF FATIGUE and BANISH MANY MIDDLE-AGE AND OLD-AGE SYMPTOMS is yours to read for the asking! That's right!—just ask us to send you Dr. Martin's great new book, and it is yours to read WITHOUT RISKING A PENNY. You see how other men and women, who suffered years of feeling knocked-down and dragged-out, lifted themselves into high and happy ENERGY often with FOOD ALONE. And you find out the delicious foods, the lip-smacking drinks; the NEWLY DISCOVERED FOOD COMBINATIONS that may so easily end the dangerous hypoglycemic deficiency in your bloodstream and get you going like a kid again!

The Scientific Reason Why Food Alone Can

The Scientific Reason Why Food Alone Can Kick Many Miseries Out of Your Life-Can Be Told In These Simple Statements:

ONE: Hypoglycemia is nothing more than a scarcity of a certain natural sugar in your bloodstream-so that your vital glands and organs get only a starvation ration of the natural energy-fuel they need. Simple enough-but millions of men and women suffer all their lives from unrecognized hypoglycemia often goes unrecognized because it masquerades as diabetes and other conditions—and so your headaches, backaches, bone-pain, muscle-pain... even dangerous conditions of the heart, liver, spleen, and pancreas... do not get the utterly simple BASIC FOOD treatment that has already renewed and transformed so many other men and women.

THREE: (THE GOOD NEWS) Dr. Martin shows you how to find out very simply if you have hypoglycemia—and then, without starving yourself or torturing your digestion, how FOOD ALONE may end your hypoglycemia once and for all—bring your vigor and vitality right up high where they ought to be—youthify your face and figure—get you singing through life even if you have spent the last fifty years "feeling rotten!"

Amazing But True!-Simple Food Available at Any Supermarket—Eaten According to A Simple Plan—Can Transform You From an "Ailer and Wailer" into the Peppy Person You Have Always Wanted to Be! So That—

Hearty helpings of meat, eggs, fish, cream and many other familiar foods become your "BEST MEDICINE!" (Dr. Martin shows you HOW! And how to use certain FOOD COMBINATIONS for CUMULATIVE BLOOD SUGAR POWER!)

for CUMULATIVE BLOOD SUGAR FOWERS,
You can have desserts in a very little while;
you CAN eat dozens of favorite vegetables and
fruits; you CAN imbibe alcohol; you CAN
smoke within reason...and, best of all...
You NEED NOT EVER AGAIN GO HUNGRY BETWEEN MEALS—even while you do

RIGHT NOW-Start Your Search For INSIDIOUS SYMPTOMS OF LOW BLOOD SUGAR HYPOGLYCEMIA:

Can you see a dusky red appearance on the palms of your hands? This can be a sign of liver trouble—but the true underlying conditions may be UNRECOGNIZED HYPOGLYCEMIA.

Can you find little red spots, with branching red lines, on your limbs or body? This, too, can be a sign of dangerous internal trouble that begins with UNRECOGNIZED HYPOGLYCEMIA.

Do you have chronic, nagging, drag-

Do you have chronic, nagging, dragging FATIGUE? This is a prime symptom of UNRECOGNIZED HYPOGLYCEMIA.

Dr. Martin shows you many more symptoms of low blood sugar-explains you may need medical treatment but it must be the right kind of treatment—shows you why FOOD MEDICINE may be the only medicine you need—deliciously, satisfying-ly, building a mighty bulwark of HEALTH while you enjoy every meal!

wonders to give yourself a slim and supple figure ... even while you build and boost your vital bloodstream for head-to-toe ENERGY!

Is poor sleeping your problem? (It's just one more misery often associated with hypoglycemia.)
Dr. Martin gives you an utterly simple SOUND SLEEP SECRET that is so natural, and has such long-term health-building effects—you'll bless the day you took two minutes to find out!

Should you exercise? For many men and women, certain easy but special exercises are a tremendous aid in combatting symptoms of hypo-

tremendous aid in combatting symptoms of hypo-glycemia. They are nothing like old-fashioned sweat-and-strain calisthenics! You feel INSTANT-LY IMPROVED, in a few minutes a day

But Your Rapid PHYSICAL Improvement Is Only the Beginning-Because There Is Also a Very Important Mind-Power Factor Associated With Hypoglycemia.

Naturally, the same bloodstream that nourishes the body also nourishes the mind—with disastrous results if your brain is continually undernourished! So, if you are "nervous" or "edgy" or suffer lapses of memory, hypoglycemia may be flying a "red flag" of warning!

But—just as your body RESPONDS MAGNIFICENTLY to the simple diet that fills your blood with potent power—so does your brain. In Dr. Martin's own words:

"There is an easy way out of this vicious circle, and fortunately it does not take too long ... Usually a week or two after beginning the food-for-energy plan... MENTAL AND PHYSICAL SYMPTOMS DISAPPEAR."

You bet those symptoms often disappear—for

You bet those symptoms often disappear—for practically anyone of any age—because at last you

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CLEMENT G. MARTIN, M.D., F.A.G.S., F.A.C.N.

Former head of Gastroenterology Clinic, Central Free Dispensary, Presby-terian-St. Luke's Hosp., Chicago, Ill. Medical Director, Continental Casualty Company, Consulting Internist, Illinois Central Hospital, Chicago.



Hospital, Chicago.

Along with this,
he has been Medical Editor of The Bulletin; and is active in such professional
societies as the American Geriatrics Society... Aerospace Medical Association...
American College of Nutrition... American Heart Association.

are nourishing your blood instead of starving it—
at last you are not half-crippling your mind and
body, but HELPING your brain, glands and
organs do the first-class job they can do for you.
At last you are helping your body heal itself... at
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infections... just by following a few food-medicine rules that are absolutely a pleasure to follow!
Yes, just by setting up your meals in such a way
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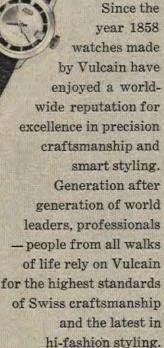
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NEWS & NOTES continued

Dial-A-Matic they did. The slight forward pressure on the new flexible handle does make the cleaner glide ever so smoothly. They call it power drive. We think it is like driving with power steering. It adjusts automatically to the correct cleaning height for all types of carpets and rugs.

We talked with the Bureau of Labor Statistics about rising food costs. The last consumer price index revealed that food prices had gone up in all categories about 5.4 percent. Meat, and most specifically beef, had the highest increase, up about 11.8 percent. The familiar law of supply and demand has a great deal to do with the crisis at the butcher's counter. More people are eating meat. The nation's biggest meat eaters are between 15 and 35 years old—a population segment that is increasing rapidly. Incomes are higher than ever, and with higher salaries there is always a tendency to increase one's standard of living. Increased efficiency in production, handling, transportation and also packaging must also be considered. There will always be some fluctuation in prices as supply and demand meet each other.

David Stroud, president of the National Live Stock and Meat Board, had this to say: "Because the standard of living has increased much more rapidly than have food prices, consumers today spend only about 2½ percent of their after-tax income for beef. This is a smaller portion of take-home pay than it took to buy beef 20 years ago." To ease the personal pinch on your pocketbook, shop the weekly specials and make frequent substitutions.

The Jenn-Air Corporation of Indianapolis has a unique new electric 30-inch drop-in combination range. It combines a two-unit range and oven with a grill—and dispatches smoke and odors to the outdoors from a built-in vent on the cooking surface instead of through the more familiar vent hood above the range. Optional accessories include a French fryer, rotisserie and shish-kabober.

We like this idea from Kellogg's: lightly buttered or oiled Croutettes top vegetable or other casserole dishes to perfection. They add a subtle accent to a classic Caesar Salad

A new first from Whirlpool: on one of their front-loading portable dishwasher models there is a built-in food warmer in addition to a maple top. As a warming tray it will keep hors d'oeuvres warm during a party, hold the temperature of the vegetables and coffee while you are carving the measure or waiting for the second serving.

There is big news in this issue on lighting and mood. We are excited with the new innovations in lighting and the



whole new world of decorating that awaits us. But let's no forget some of the basic rudiments necessary for better sight. The Better Light Better Sight Bureau stresses that the placement of a lamp on a desk or table for optimum comfort and seeing efficiency is very important. The lamp should be placed 12 inches back from the front edge of the desk and 15 inches to one side of the work at hand. Using a light-colored desk blotter will help to avoid uncomfortable reflected glare and contrast.

Could there be anything more unappealing than most fresh bread—soft, white and doughy—that you buy in a supermarket? Tear a piece away from the center and you've a wad of hard dough. This is not true with Pepperidge Farm's new Toasting White Bread. It is a good old-fashioned, stick-to-yourribs chewy kind of bread that is open textured and thick sliced. A 16-ounce loaf is about 40 cents. Pepperidge Farm,

which has long been known for Margaret Rudkin's famous homemade baked goodies, is now owned by The Campbell Soup Company. Many of Pepperidge Farm's products are distributed nationally in supermarkets and groceries.

In the "what will they think of next?" department, a first in the frozen food field has been announced by Swanson. They are three frozen, prepared breakfasts: Pancakes with sausage patties, scrambled eggs with sausage and country-style fried potatoes, and French toast with sausage patties. Each one is ready to heat and serve—no preheating of oven is necessary. They call it the return of the forgotten meal. This may be a satisfactory way for the 85 percent of women who do not take the time and effort to serve a nutritional breakfast. A good breakfast is essential to a good day.

A handy, self-sticking all-purpose tape called Armaflex has been announced by Armstrong Cork Company, the flooring people. It can be used for a variety of jobs around the home from insulating dripping water lines to cushioning handgrips on garden tools and sports equipment. The flexible plastic foam material has a smooth surface finish. The adhesive on the back is protected by a backing that is removed before the tape is applied. It is available in 12-foot rolls, \frac{1}{8}" thick and 2" wide, and costs approximately \$2 a roll.

A few good brandy tips: When marinating meats in wine, a tablespoon of brandy for each cup of marinade gives an extra piquant flavor; good, too, for high-spirited barbecue sauces. Try lacing your French onion soup with a little brandy for an added zip. END

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Not long ago we dropped a pair of rusty pliers into a container filled with liquid and flipped an electric switch. Two minutes later, when we shut off the current, the red oxide that covered the blue-black metal had, to our amazement, entirely disappeared.

Then we dropped in the cutting wheel from an electric can opener. It was thick with the black goo that always seems to build up on can-opener cutting assemblies. But half a minute later it was clean and gleaming.

Next came a spoon. We knew it was silver; but if you had argued it must be something else—no silver ever got that tarnished—we could not have blamed you. About 90 seconds later, however, you would have shaken your head in dis-

Finally we put an old fishing reel into the liquid. Made of hard plastic and steel, it was so corroded and crusted with ocean salt that we could just barely crank it. But in a few brief minutes it, too, was rejuvenated and ready for active service.

Magic? In one sense of the word, yes. But in actual fact, no. We were just using one of the new ultrasonic cleaners now on the market. It is one of the most intriguing and useful cleaning devices we have yet encountered. It is certainly the most versatile.

It will remove dirt, grease, rust, tarnish, stains and loosely adhering coatings from just about any hard-surfaced or semihard-surfaced item that will frinto the cleaning tank. That includes ashtrays, figurines, thimbles, dentures spectacles, golf balls and the heads o golf clubs, jewelry, coins, seashells safety razors, knives, nuts and bolts bottles, combs, electric cords, boat fit tings, knurled knobs, locks and latches toy racing cars, oil cans and miscel laneous parts from Willie's carefully disassembled bicycles.

"Ultrasonic cleaners really have only two main limitations," says (continued



©Sears, Roebuck and Co

Why did Mrs. Skitch Henderson, who could afford any efrigerator you could name, want a Sears Coldspot?

Composer-conductor Skitch Henderson and his wife Ruth live in one of New York's most fascinating town houses.

In the kitchen are some of the 40 to 50 antique clocks Skitch has collected. The wall tiles come from Spain. The walnut chopping blocks and the unusual plate tree from France. And the refrigerator-freezer is from Sears, Roebuck and Co.

"There's never been anything like our Sears Coldspot," says Ruth Henderson (who does all the cooking in the Henderson household). "It's a 3-door convertible—all completely frostless. It's the first refrigerator I've ever seen that you tailor to fit your needs.

"One side is a marvelous roomy refrigerator. The other side is a two-door freezer. But the top half can actually convert from a freezer to a refrigerator.

"All I do is turn a dial if fresh fruits are in season, and this upper section becomes more refrigerator space.

"I turn the dial back after a party and I get more freezer space for leftovers.

"And I don't know how we ever got along without that wonderful ice-maker in our Coldspot."

Suddenly, as the 40 clocks chime 7 o'clock Ruth Henderson laughs, "You can always tell when it's dinnertime at the Hendersons."

Sears Coldspot Refrigerator

for women who want the best even if it does cost less

Change to a beautiful kind of soft. Lady Scott.



CLEANING WITH SOUND continued

John F. Chappell, vice president of Branson Instruments Co., one of the first manufacturers of ultrasonic equipment. "They won't clean fabrics. And they should not be used to clean severely worn silver plate or objects held together with any kind of glue or cementcostume jewelry, for example.

"In addition, ultrasonic cleaners made for home use won't clean anything that is too big to fit into a two-quart tank. And they cannot be used to clean off contaminants, such as fingernail polish and paints that require special solvents."

But never mind the limitations. Consider the possibilities.

Admittedly, these won't strike you the instant you first see an ultrasonic cleaner. The two makes that are available today are neat but rather prosaiclooking appliances. Branson's cleaner has a strong resemblance to a blender, depending on how it is being used. Sears, Roebuck's suggests a small, rectangular canister vacuum cleaner. Both are made of plastic and metal. And both have recessed cleaning tanks measuring

3½ inches square by 2½ inches deep. (The Branson unit may also be purchased with two larger, slip-in cleaning tanks.) But when you fill the tank with warm water, add a few drops of detergent or other recommended cleaning agent and turn on the electricity, the liquid suddenly becomes violently alive.

This action is called cavitation. It is produced by transmitting ultrasonic energy-energy vibrating at such high frequencies that it is inaudible to the human ear-through a fluid. Millions and millions of tiny bubbles form and collapse over and over again, thousands of times a second. You can't hear them (though the tank itself vibrates and makes a low buzzing sound). You can't feel them (but if you put a finger into the liquid up to the first knuckle, the sound waves may make it smart). You can rarely see them (the only visible movement is a disorganized, rapid rippling and shimmering of the surface liquid). But when you drop in a rusty penknife or a salt-encrusted medicine glass or a dirty engagement ring, the

bubbles instantly go to work on it like the bristles on a scrub brush. And in almost no time, the dirt is gone.

No one in the ultrasonic business denies the fact that, given some kind of brush and the proper cleaning agent, you can clean by hand just about everything you can clean ultrasonically. But there is this difference: An ultrasonic cleaner does the job fast and with much less effort on your part.

It does the job more gently, because the object in the cleaning tank is not handled and does not move. It also drives the cleaning agent into nooks and crannies difficult to reach.

One of the standard ways of demonstrating what an ultrasonic cleaner does is to rub soft pencil lead on a sliver of frosted glass and to immerse it in a detergent solution in the cleaner's tank. Nothing happens. Even when you rub the graphite with a finger, it simply smears and comes off reluctantly. But when you plug the cleaner into any 120volt electrical outlet, the graphite starts to swirl away and disappears. (continued)



Our Luv Flowers are really fun flowers. Fun to make in a variety of beautiful colors. Sunshine Yellow/Orange, SweetHeart Pink/Mauve, Snowflake White/ Gold. It's the thing for decorating.

It's an easy thing! No pasting, no cutting . . . just unfold. The Flower Kit contains simple instructions along with everything you need to make six giant ten inch flowers or twenty-four five inch paper flowers.

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Every Woman Wants The Gift Of Complexion Beauty

If every woman in the world could choose just one gift of beauty, nine out of ten would ask for a lovely, flawless complexion. Of all feminine beauty assets, this is the one that is most desired, most cherished.

Today, simply by smoothing a tropical moist oil over your skin, you can at last lavish the very ultimate of loving attention on your complexion. The discovery of this rich, remarkable fluid has made it incredibly easy to cherish and beautify the skin so that it holds its lovely appeal for years and years to come.

The moist oil helps the complexion to keep always at the peak of its perfection. Its special enriching constituents of oil and moisture exert an isotonic pressure to balance easily with the skin's own fluids, helping to alleviate wrinkledryness, smoothing the complexion to a velvety softness and successfully capturing a radiantly lovely bloom.

When body processes begin to slow down with the passing of time, or become inadequate in effect due to the influence of a hot sun, drying winds or biting frost, the complexion very often suddenly finds itself in dire need of supplementary care that will encourage and guard its basal cellular functions. The purpose of the revolutionary tropical moist oil is to assist nature when necessary to boost these natural fluids and so give your complexion a fuller measure of health and beauty.

An invisible film of moist oil applied

An invisible film of moist oil applied daily to the face and neck besides serving as a sub-foundation for make-up, will promote nature's efforts to conserve precious dermic moisture, for it encourages in every way the hygroscopic tendency of the skin to attract moisture from the surrounding atmosphere.

This unique moist oil is available in Europe and other parts of the world. In America it is available from druggists as oil of Olay, the phenomenal discovery of our time that reconfirms the eternal truth that an exquisite complexion is the most essential criterion for beauty.

Beauty Skin-Care Consultants Recommend

For sheer loveliness in complexion beauty, consultants are now recommending that a film of moist tropical oil of Olay should always be smoothed over the face and neck before applying make-up. This will cherish and beautify the skin as well as protect it against the drying effects of wind and weather.

Towards maturity cherish your skin with a little extra care to smooth wrinkledryness and help keep facial lines at bay. Before retiring, apply a generous film of oil of Olay, massaging it with the fingertips in circular movements that spiral upwards and outwards.

To keep your lips soft and pretty, give them a generous quota of the beautifying moist oil when you do your face. This light film of oil of Olay will also act as a foundation for the smooth and lasting application of your lipstick.

CLEANING WITH SOUND continued

Then you dry the glass, rub the lead on it again, cover the black mark with a second piece of glass and, pinching the two pieces tightly together, you lower them into the deceptively quiet maelstrom of the cleaning tank. The action is a couple of seconds slower this time, but the results are the same: Even though the graphite is not directly exposed to the cleaning solution, ultrasound forces the solution in between the glass and removes the stain.

Ultrasonic cleaners have been used extensively in business, medicine and science since the early fifties. These differ from the household cleaners only in the fact that they are made entirely of metal so that they can be used with almost any kind of solvent.

The home models, which sell for about \$40 (plus \$10 if you buy the two optional Branson tanks), can be used only with a mild general-purpose detergent, an ordinary denture cleanser or the special-purpose cleansers sold by the cleaner manufacturers. The last include Branson's rust remover and silver detarnisher and Sears' light and heavyduty industrial detergents.

Will any other ultrasonic appliances come along in the wake of the cleaners? The answer is yes, although manufacturers, understandably, are reluctant to be very specific about them.

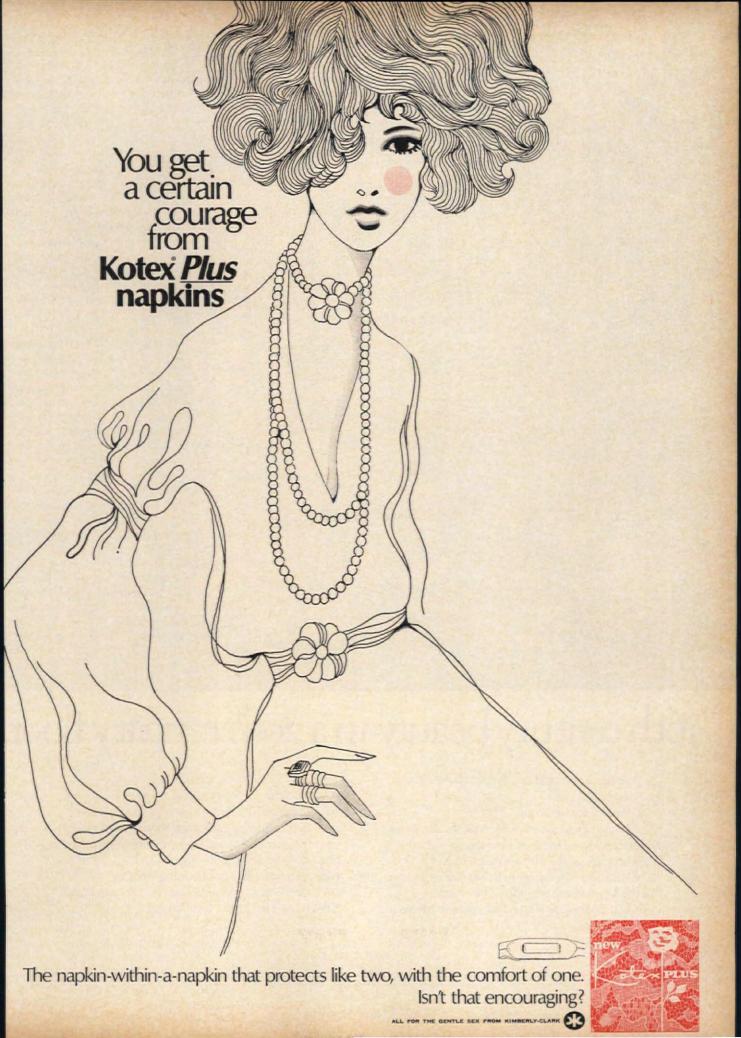
Among the possibilities are an ultrasonic carving knife, ultrasonic shaver and ultrasonic drills and welders for the home workshop. Commercial devices more or less similar to all except the shaver are presently in use. But for the moment at least, additional kinds of cleaning appliances seem to be more promising. Of these, the first will be an ultrasonic sink. One is due any minute.

It looks like an ordinary stainlesssteel kitchen sink, but it cleans dishes, glassware, silverware and utensils in exactly the same way that our portable ultrasonic cleaner scrubbed a canopener cutting wheel. Compared with a dishwasher, the sink's advantages and disadvantages are fairly obvious.

It doesn't take up extra space in the kitchen; it washes faster than a dishwasher and removes tarnish from silver.

On the other hand, the ultrasonic sink does not rinse and dry dishes. It does not kill bacteria to the same degree as a dishwasher. It cannot be used to store dry—as well as clean—dishes. And it has a smaller capacity.

After that, they may go on to ultrasonic floor cleaners, ultrasonic wall and window cleaners and ultrasonic cleaners for swimming pools. END





16th century beauty in a 20th century floor.

A Renaissance princess might have danced on a design like this.

We call it Medallion.

It's our vinyl asbestos tile with the seams that disappear. They disappear because we purposely design the tile to conceal them.

And you'll be happy to know that a tile floor like this is as economical as it is beautiful.

For example, a 9 x 12 foot room in Medallion

only costs \$35, if you do it yourself.

You can get Medallion in six splendid colors that are designed to bring into your home all the quiet beauty and magnificence of the Renaissance.

You can see Medallion at your flooring dealer.*

Just ask for the brand new floor with the
16th century look. For literature, write to
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AH-10, 140 W. 51 St., New York, N. Y. 10020.



GAF Floor Products



Light, the scene setter, light, the mood maker, light, dazzling or calming, shines through this issue. Not since Thomas Edison's magical bulb electrified the world has light wrought so much change. Light's twin, sound, is also soaring on new wave lengths, blotting out noise, cleaning the silver, spinning off music on reels of magnetic tape. Light and sound pulsate as one in the discotheque turn-on of New York's Electric Circus (above), an entertainment dimension that started the trend for projected images. They may soon be flashing around your own house. On the following pages, Elizabeth Bowen, the Anglo-Irish novelist, discusses light's calm benevolence.

"Light . . . scores a zigzag across the charts of our temperaments."

The beginning. Before that, what? Nothingness: earth "without form and void." The mighty Genesis story of the Creation, allegoric though science shows it to be, retains the hold that it had in infancy—it rings true to us, it has basic meaning. Light was what first broke on our newborn awareness; from then on, it stood for living and being. In itself a benevolence, it is as essential to us as the air we breathe—and as freely granted! We are light's children, expanding within it as plants do.

How light affects us, primitively sometimes, and sometimes subtly, we are beginning to learn. Our century is light-conscious, as was no other. We react more knowingly than our forefathers to light's dramas, variations and possibilities. True, far back goes the association with Nature, with poetry, with romance—where would generations of lovers have been without the moon or the sunset, or children without the miracle of the rainbow? But we moderns love light with an extra ardor, seeking it out. We like best to go, to be, where it shines to the full. We construct our homes, so far as may be, of glass. And when, day ended, darkness blackens our windows, we make play with *lighting:* 20th-century art which transforms rooms.

Yes, *let* there be light! For city-dwellers, the need approaches a thirst. The higher buildings soar, crowding the sky, the more closely they overhang and encompass us, the more precious becomes the bright element. There is a market for it, it costs money: penthouses, top-floor apartments are at a premium—many of us make do with reflected daylight, blue noon or the pinkness of sunset at one remove. Even so, the joy of it! Refracted downwards into our streets, light has something saving about it, like pure water. And it *does* enter; nothing can keep it out—slithering its way through venetian blinds, catching shop-front mirrors, striking through awnings, painting multicolored traffic a shade more dazzlingly. And not least lovely, be it in city or country, is light's other gift to us: shadows.

ver changing, shadows are light's language. It delights to cast them. Sharp, shapely, they accentuate light by contrast—the darker and clearer they are, the more burning the day. How dramatic their morning-to-evening movement, like the hands of a clock (before there were clocks man could measure time by them). Without them, light could be meaningless, overpowering! Could one inhabit, for long, a shadowless world?

Unthinkable; as could be a quite soundless one. . . . Valuing light, we instinctively learn how to live on terms with it. Designing our rooms, planning our gardens, we deal not in blank spaces and bald surfaces but in ornaments, objects, on which it may most effectively dwell, setting them off and enhancing itself. Scenically, we deliberately break light up, using columns, archways, screens of greenery, balustrades, pools. And may not light like us better for those devices? Outside cities, we seek as ideal sites for our homes those edging on woods: is not their demure half-dusk right background for a sun-soaked facade? Light, supreme in its contrasts, teaches a lesson. Playing tricks with it, we meet it at its own game. We have achieved a relationship. No fears...

et there were considerable fears, not so long ago Dread of full daytime was prevalent with our great grandparents. Primitive in origin, handed down to them it was reinforced by Victorian genteelism. In refined homes, sun was Enemy No. 1. It ruined complexions faded hangings and carpets, blistered enamel and wilted plants. No lady exposed herself to its rays, and she took morbid precautions as to her parlor-shades lived almost permanently drawn down. Overclad gentle men suffered like stranded fish, gasping; never did on abandon collar and tie! No child was let out of the house for so much as a minute, without a sun hat. "Sunstroke was the general, gripping obsession, even in quite tem perate climes Some of the safeguards against i were, one must say, pretty: instance, the parasol-ivory handled, bedight with fringes or frills. Carried atilt b coquettish maidens or solemnly in the vertical by the chaperones, those little pagodas of taut silk shed a be guiling, colorful glow onto the delicate skins they she tered. There were also arbors, entwined in jasmine of eglantine (and alas, also, running with earwigs) i whose fragrant if stuffy insides one could repose. Ga den "walks," tunnels of darkest evergreen, cut out th peril of crossing an open lawn. Under shadiest tree one might sit out . . . Oh those timid summers!

Our boldness would seem revolutionary, and our sur worship impious, to our forbears. We extend, hour-long semi-naked, under that very orb from whose slighted glance they, muffled to the chin, fled. Are we (these newcomers) barbarians, they might wonder, or do the fancy themselves to be demigods? So entire has been the change in physical temperament that we of today might be another race, not merely another generation. We owe it to the Victorians to admit that science, the evolving the use of oils, art, by provisioning us with commetics, and fashion, by outlawing pink-and-whiteness in favor of olive-bronze, have aided, and eased the course of our "revolution." Not necessarily more daring

we are more fortunate: revelling, as we do, in the unabated glare of a day in summer, we enjoy an impunity undreamed of. Great-grandmother dared not, certainly. his truth holds good with regard to homes, built for light, afloat in it when we wish. Gone are the drawndown shades, the closed frowsty curtains. Yet, her renzied solicitude for her parlor, her preservation of it by tomblike darkness, does merit less laughter and more sympathy. Costly crimsons could drain out to anemic apricot, and huge roses on Brussels carpets be rendered ghostly. "Fadelessness" was a benefit unknown o her. Contemporary interiors suffer nothing. Day noves in and lives in them; they reflect it, color it with heir colors-fabrics, with all the glamour of the synhetic, some translucent as the glass of which they were pun, some sleek as the velvets they simulate, lose not n iota of their glow: it is imperishable. Underfoot, everastingly vivid are the rugs . . . She dared not risk what he loved; we are risking nothing.

Physically, we of today are no less resistant to light han are belongings. But are we the more susceptible to nervously? And does that sensitivity take toll, from me to time, of our psychic being? I think that possible. ee how light conditions our moods, affects our eneries, scores a zigzag across the charts of our temperahents. Good or bad light can make or unmake a day. our obsession with "weather" is, fundamentally, conern as to weather's resulting light. Heavy rain is a nanifest nuisance, but what depresses us is the miserble, dank extinction of everything, the unbroken gloom f lowering clouds. Certain dull days, heavily ominous, ky clamped down over the earth like a leaden lid, can e yet more demoralizing than rainy ones. Snow at least ends up an uncanny glare of its own; and the moments efore an electric storm, when black-purple, piling up h horizons, sets off trees, buildings, caught in last abs of sunshine, have a kind of operatic excitement.... es, our extreme light-consciousness cuts both waysacing us at the mercy of meteorological changes and hances. For happiness, even for equanimity, we deend on Nature's caprices. That is, in the outdoor world. The indoor, however, is in our power: home, our doain—and its lighting we do control. What resources we ave, what alternatives. "Artificial light" once was the rbidding name for any amenity turned on after dark: day, evident "artificiality" is no more; subtle, artful turalism has superseded it. Gaslight, or the earlier ectricity, used to impact harshly on the rooms they realed: now, soft, tidelike brightness laps on carpets d walls. Contemporary lighting is sympathetic: it can epen calmness or heighten the party spirit. It does t dictate our moods; it expresses them, eloquently. It

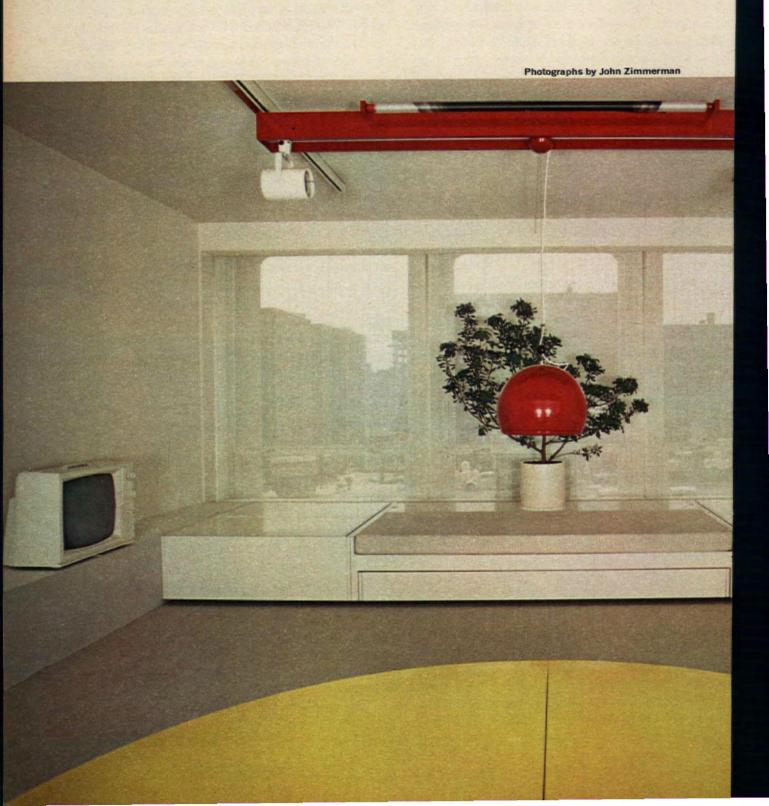
serves, it lends itself to, the domestic spirit: the lit lamp waiting by the waiting armchair—what a symbol of homecoming. The bent-down ray falling cleanly onto the page: what a reader's paradise. The tilted lamp-shade, letting glow gently lie on the smooth pillow: what an invitation. . . . Light chisels out for us, immortal and haunting images of our dearest moments.

And is creative in other ways—being able, for instance, to clothe a day-wearied room in evening illusion. It re-architects, adding further dimensions, new definitions. Here a diffused or there a directed brilliance kindles the atmosphere, adding a touch of "theater," dramatizing figures, flattering faces. Areas of shadow are gauzy veilings. Fleeting fingers of light move around: a bowlful of roses floats into ethereal view, then is lost again. Or a ceiling turns into a starry firmament. For a whole spectrum of wonders, thank electricity!

Yet . . . can anything better candles? Back they have come again, overflowing from the few there used to be on the dinner table into groves, groups, dozens that look like hundreds: triumphant, slender, twice as tall as they were (as though they had made growth since the last century), burning as though in their own honor. Without rival. So ever-living are they, and so timeless, they restore beauty to faces that knew it long ago. Now and then, a quiver of their pointed flames causes a vibration in the air round them-eagerness, the genius of all festivity. . . . I quarrel with candles for one thing only; they set up a yearning in me for, also, firelight. Ah, let there be firelight, where there can be! Where there cannot, let me not think of it.... And look, yet another talisman from the past: we reinstate the Victorian oil lamp. Amber and mellow, its radiance comes blandly forth from its frosted glass globe. This is domesticity: such a lamp is the occupant, by nature, of a circular central table, round which are gathered, sketching or stitching, a rosy, respectful family, while Papa reads aloud. May it steady us? Who knows? Welcome it back.

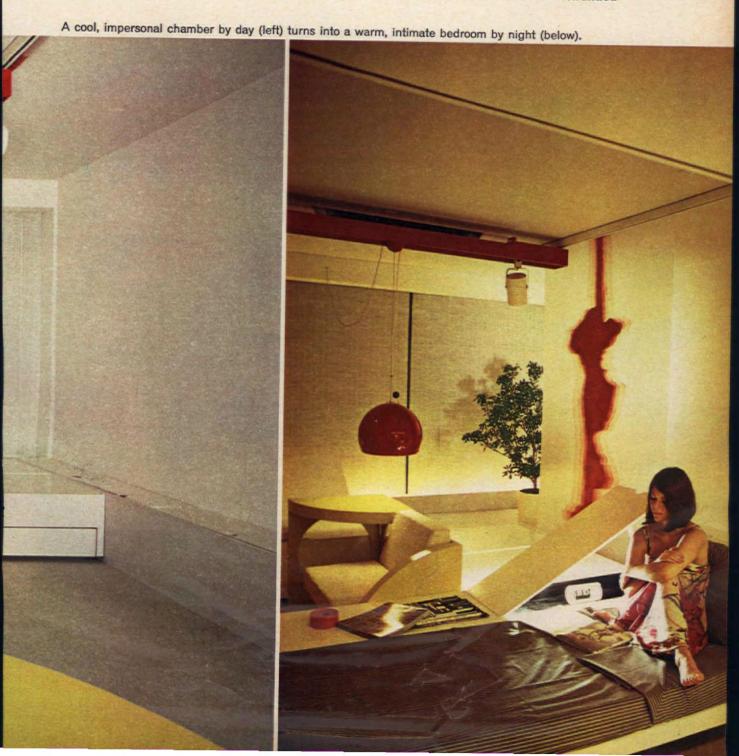
ight, light. Light, from whatever source! One great indoor playmate of light is the wall mirror, with its doubling trickery, its extensive power. Outdoors, the fit mate and playmate for light is water. Light likes pools, ponds, lakes, but is in love with rivers—their intricate skeiny currents, their falls and rapids, their dawdling pauses. But above all, fountains: impetuously springing up, up, up into light's embrace, casting inexhaustible plumes of dissolving spray. . . . At Tivoli, above the Roman campagna, I watched an assembly of fountains in noon sunshine. That is the one time I have wept for joy.

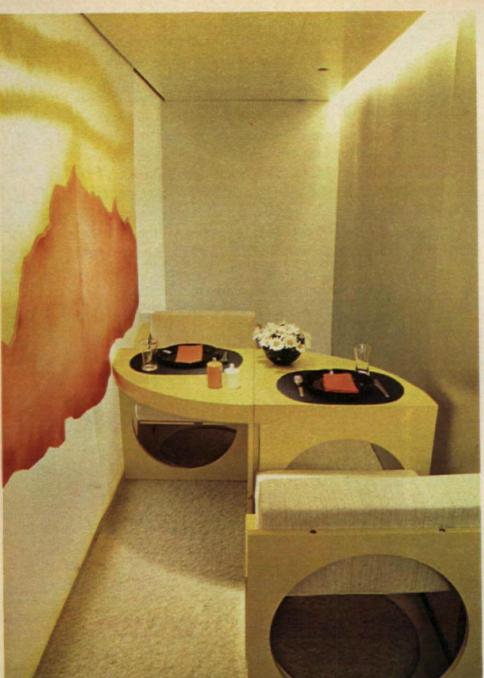
FIVE-WAY PROJECTION FOR THE 70s By Vera D. Hahn



One room—apparently without furniture, all cool white but for a slash and dot of red, a disc of chrome yellow, a green plant . . . this is Architect Romuald Witwicki's "Living Envelope," a package 16 by 20 by 8 feet that is only waiting for people to unseal it, to turn it on. Designer Witwicki is a young French rebel, who thinks of this prototype he built in Manhattan's Kips Bay as a living solution to be mass-produced for the beehives of apartment complexes that will explode over the U.S. landscape in the 70s. Batteries of lights, of mini-projectors, of spots that travel on the red steel beam wait to change one room's mood. Stored away in Witwicki's ingenious free-wheeling boxes that line the windows are a multiplicity of things: lounges, beds, tables, a telephone—even a stage. The yellow circle has four modules that become a dining table, stools or armchairs. Translucent panels, painted with glowing rivers of color, pull down to divide spaces, roll up like window shades. But it is light, most of all, that turns this single apartment room into five or more and the progression of change is shown on these six pages.

continued





FIVE-WAY PROJECTION continued

A perfect spot for dining is beneath the roomspanning storage beam. It houses four roller shades painted by Pat Lindgren. When all four are unfurled they wall off the area completely. When two are drawn (below) they frame it like shoji screens.

The metamorphosis continues—tables and chairs evolve out of the yellow circle (see preceding page). From the built-in storage beam shades are pulled to form a wall-to-wall mural. The scene is then set for dining for two. Light is an intimate part of the change—shimmering on a permanent silver-foil wall. The apartment contains a conventional kitchen, bath and dressing room. For an evening of entertainment, room space becomes a small concert hall. The modular boxes become a stage, their lifted tops are music stands. Lights dim to a soft purple glow. Guests are given Japanese tabi socks. After all, the musicians are standing on what is really the furniture. For more about how the apartment works and its designer's avant-garde philosophy, see page 122.



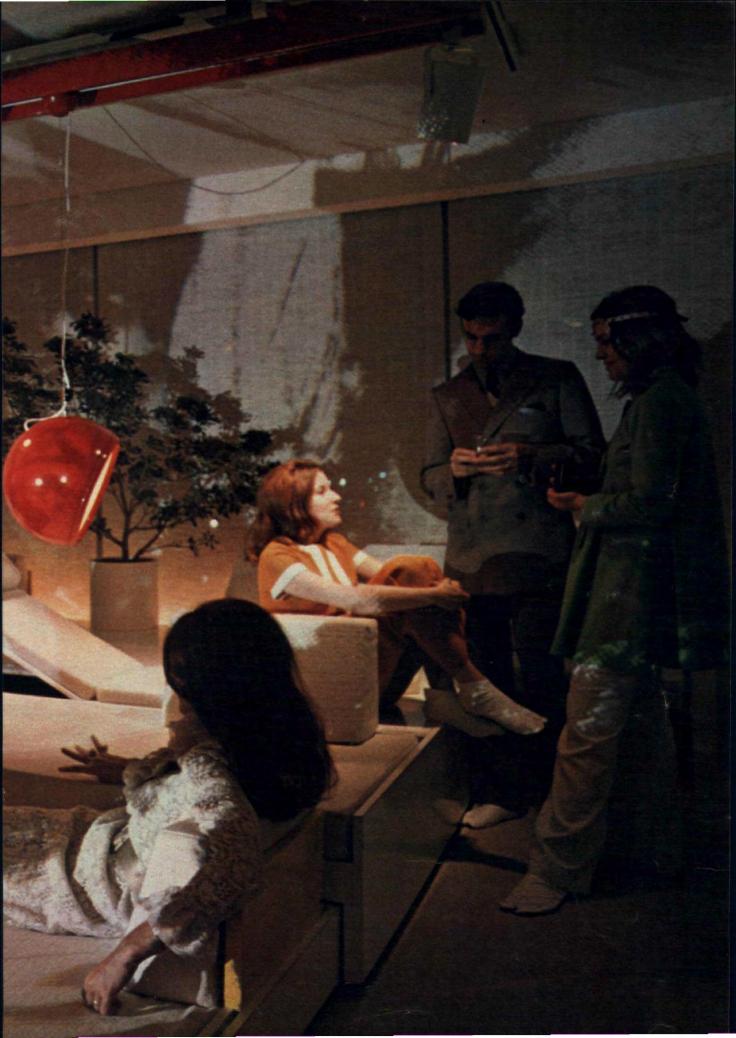
The stage is set for an evening chamber music and the storage bea now becomes a "proscenium A mini-projector and colored light hang from the movable light trace."



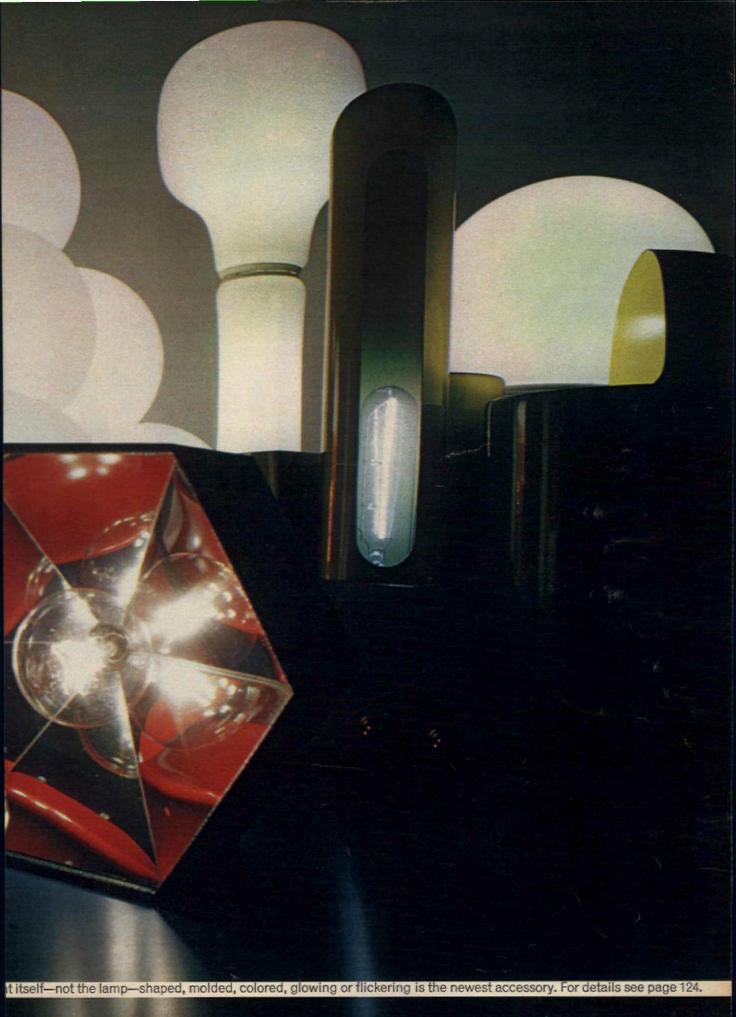
FIVE-WAY PROJECTION continued

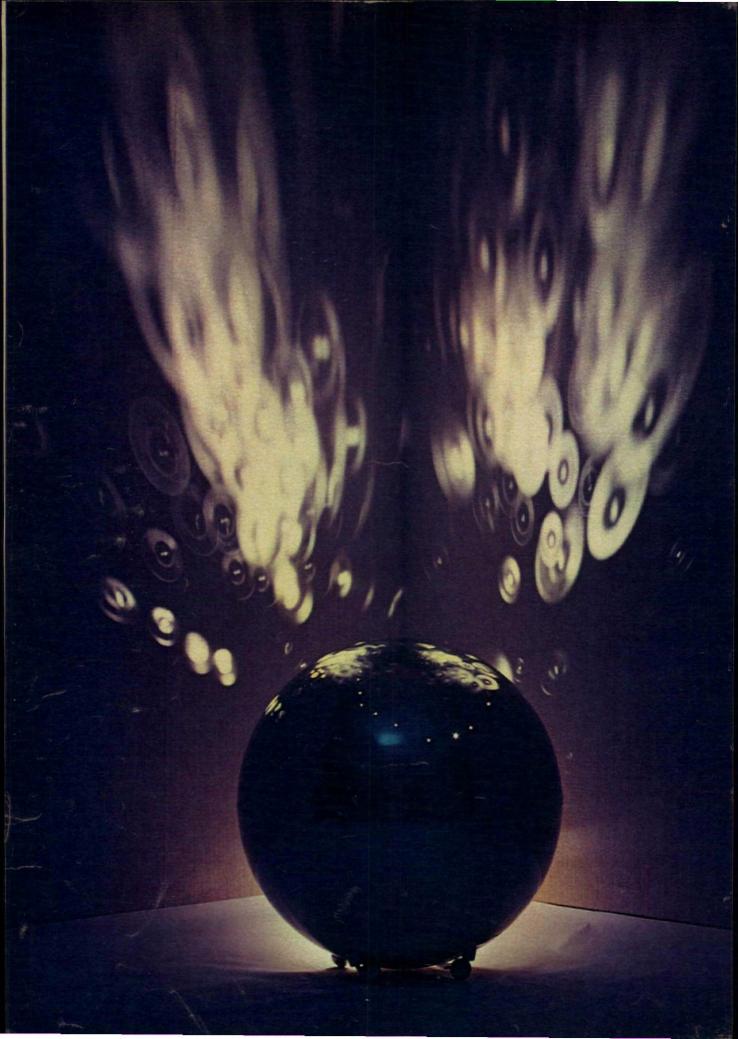


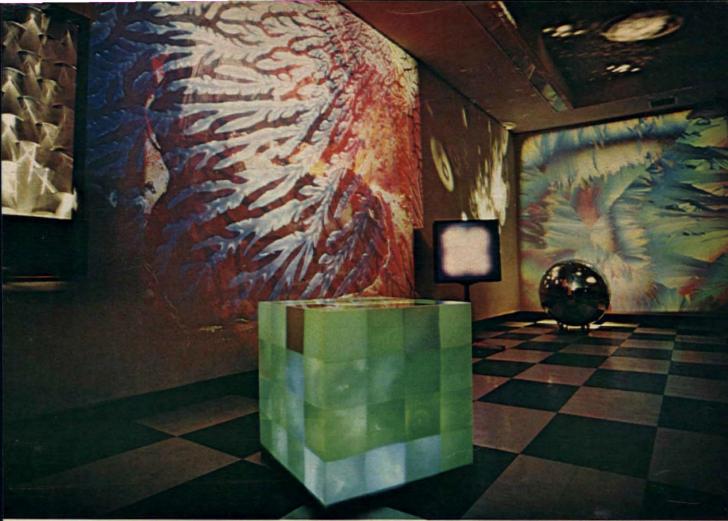
Transformation for a big party is so total that a miniature Electric Circus comes to life in one small room. Storage and seating elements are regrouped into a giant party platform at the center of the space.
Projectors flash
photographic
images and ever-changing patterns of light over walls, furnishings and guests with an almost psychedelic effect.







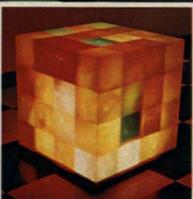




Otto Piene's
Light Cocoon
(opposite)
patterns the wall
with changing
sprays of light,
inspired by the
probits of stars in
the night sky.



Earl Reiback's Lumia (left) and Hogle's 56 Cubes (right) are seen in different phases.



Kinetic light art changes constantly, but caught at one colorful moment in the Forbes' gallery is Richard Hogle's flashing cube, as well as (clockwise from left) works by Julio Le Parc, Jackie Cassen and Rudi Stern, Thomas Tadlock, Earl Reiback, and Otto Piene.

LIGHT BECOMES THE MEDIUM

Rembrandt, Vermeer, Monet and the Impressionists found the capturing of light on canvas the ultimate painter's challenge. Now light itself is the medium in a lively new branch of kinetic art; the "paint" and the "canvas" are made of such unpainterly things as mini-motors and plastics, high-intensity bulbs and transistors. The results, as shown in the private collection of Mr. and Mrs. Malcolm Forbes, is an ever-changing light show of glowing tapestries, luminescent pictures and flickering sculptures. The Forbes children find their home art gallery a perfect place to watch the flickering light of another kinetic art form—the motion picture. More about kinetic art on page 26.



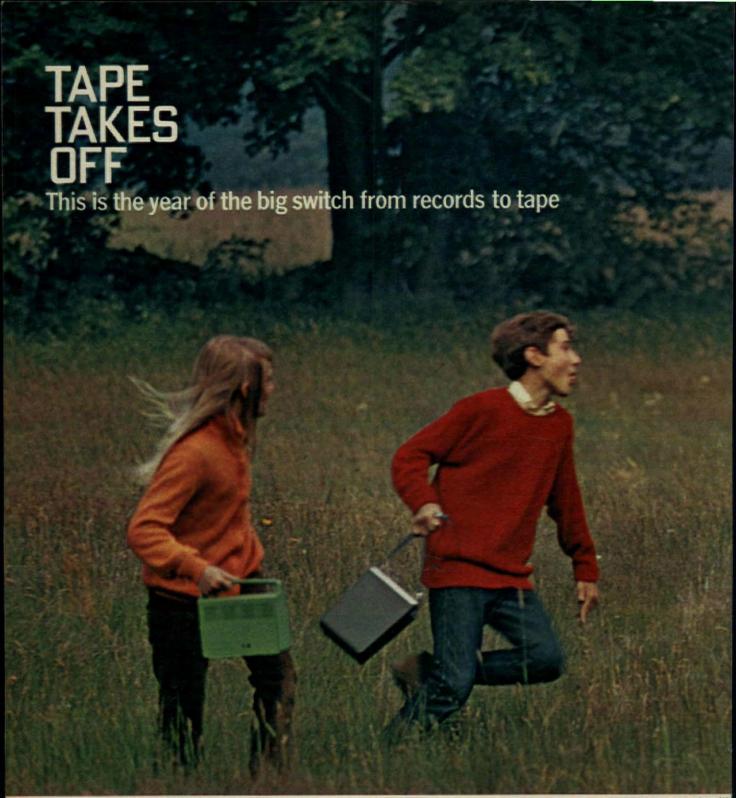
THE LIGHT SWITCH



Although the Edward Coplons had every right to be proud of their newly decorated apartment, the lighting didn't atisfy these two young perfectionists. "It looked uninviting," said Nancy Coplon. Unlike most renters and many amilies on the move from house to house, the Coplons did something about the most neglected of all decorating roblems. They called in a lighting specialist, James Nuckolls of Bolt Beraneck & Newman who solved their roblem without major cost or surgery. He used a can light on the floor, tracks with five adjustable fixtures and pw-voltage lamps in cabinets to create an effect easy to duplicate in any home. At left you see flat glare in the before" photograph, below the warmth of the "after." For more about the cosmetics of light, turn to page 118.

he surprise in the light renovation (below) is a photographic projection of a Matisse collage to balance two Matisse prints.





The Cassette Set is leading the boom

It started as a California lifestyle—The Beach Boys blaring from car tape decks along the freeways. Now tape is the thing coast to coast, no longer the exclusive province of pace setters who buy the latest gadgets, or sound buffs with elaborate systems requiring engineering degrees to operate. Cartridges and cassettes are making everyone a tape expert now that player/recorders are available at every price, for every member of the family. Cassette players are moving in on the 8-track car decks that started it all.



Even tricyclers can be tape experts with a kiddie player (PlayTape 1110, \$13) that plays only special tape cartridges.





A boy and his dogs tune in on The Supremes. The PlayTape 1320 (\$15) is designed for teen listening. PlayTape has a low-priced line of prerecorded cartridges especially for these units.

Hip college students favor more sophisticated machinery. Cassette player/recorders such as the Wollensak 4200 (\$70) come with mike and stand, carrying case and cassette.





As tape takes off. Herb Alpert is one artist soaring with it. And tape helped create the sound that now makes him and the Tijuana Brass one of the topsellers on tape. It all started in 1962 when Alpert and Jerry Moss (the M in A & M Records) were experimenting with a tape recorder in Herb's garage. They hired a few sidemen and recorded "The Lonely Bulls." To give the song an authentic flavor, Herb went to Tijuana and taped the sounds around a bullring; the Tijuana Brass sound was made. Now he's king of a musical empire whose palace is located in the old Charlie Chaplin Studio in Hollywood. Herb Alpert's office (right) looks like a living room. His modern stereo sound system along the wall (with two reel-to-reel tape decks), is designed to blend with Alpert's comfortable mélange of period and contemporary furnishings. On the wall he proudly displays his gold records, awarded for each album that sold over a million copies. Alpert and the Brass will have their third TV special on NBC, October 29th.





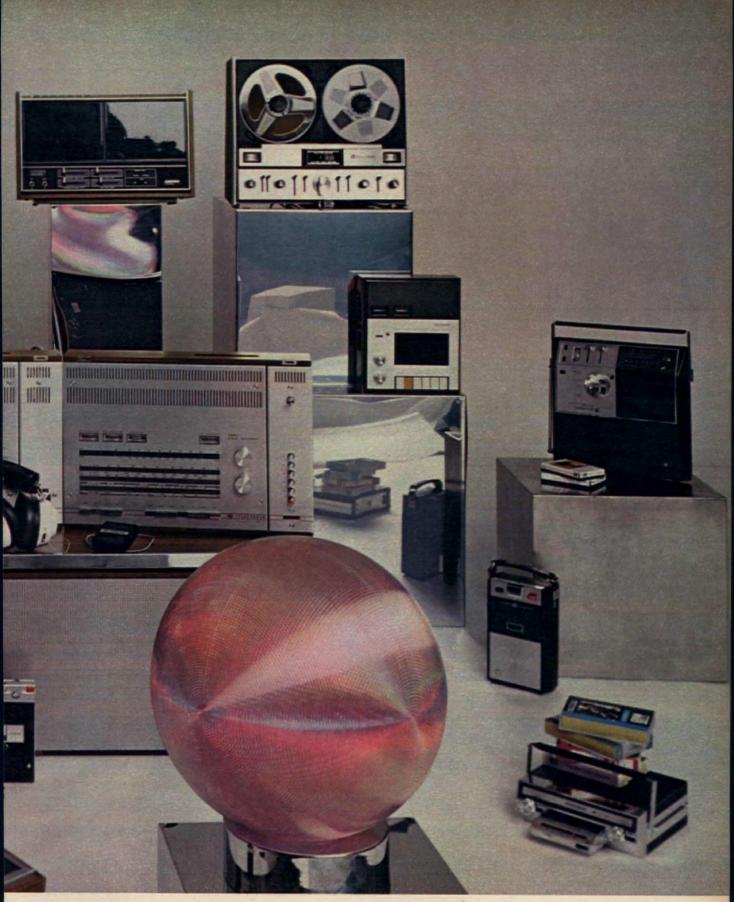
Herb Alpert on Tape

We asked expert Herb Alpert to talk about his business-sound. "Sound is everything to me. It's my life, in fact. I hear music everywherein birds chirping. waves crashing. I have gotten ideas for arrangements from pulsations I have heard around me. When I was arranging 'What Now My Love' I was in Hawaii, and I incorporated the sounds I heard there into my arrangement. What sounds don't I like? I don't like to hear a baby crying, bombs exploding or guns going off. My favorite nonmusical sound, and this may seem odd, is the sound of silence. It forces you to hear sounds you usually ignore. I spent one night in that historic garage, where Moss and I made our first recording. The walls were made of acoustical siding. The floor was carpeted. It was so quiet that all I heard was my heart beating. After a time I began to crave the sound of something other than me. I always like the silence in a forestyou hear the leaves rustling." (continued on page 126)



ers are so beautifully engineered that they are meant to be seen, not concealed in cabinets. For a description of what they do, see page 128. This page, foreground: The KLH Forty-One stereo 4-track reel-to-reel tape deck (plays through hi-fi system) has simple-to-operate controls; records mono, stereo. \$230. Left center: Telefunken's Cavatine, with new ball speakers, is a deluxe, push-button cassette recorder, stereo tuner/amplifier. \$480.

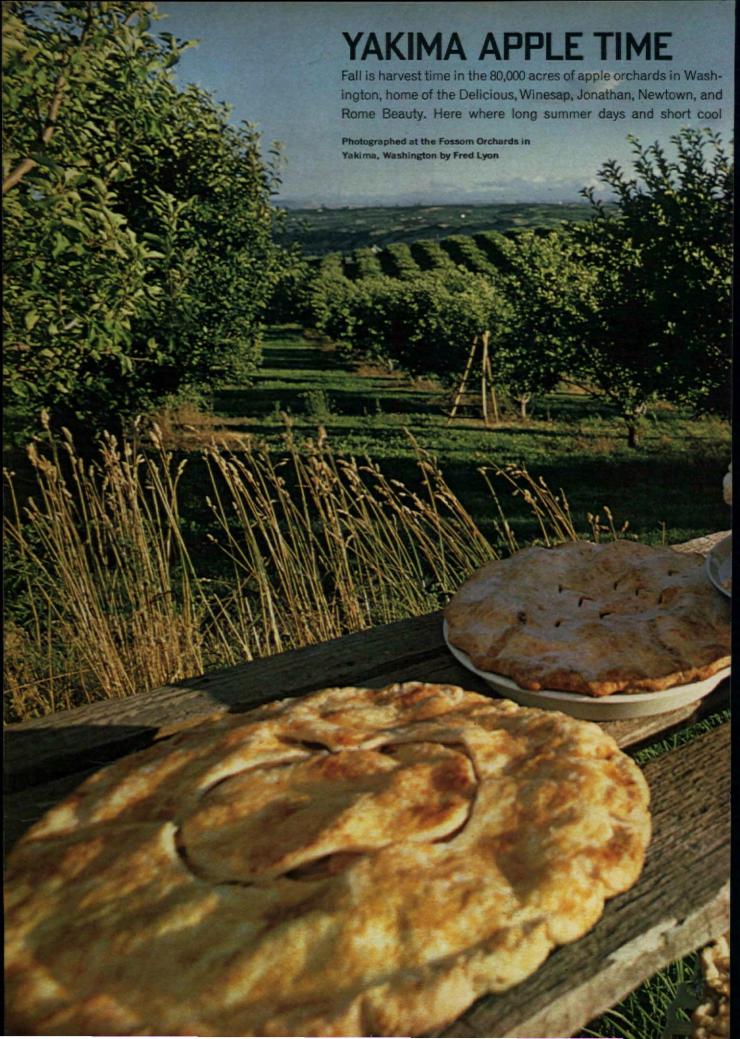
left) and the Sony 540 (to right) are complete 4-track reel-to-reel sound systems. Ea with speakers, mikes; records sound-on-sound. RCA, \$2 Sony, \$400. Three sound-sensitive colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Lighting convert sound into pulsating colored light machines for Curtis-Electro Light machines for

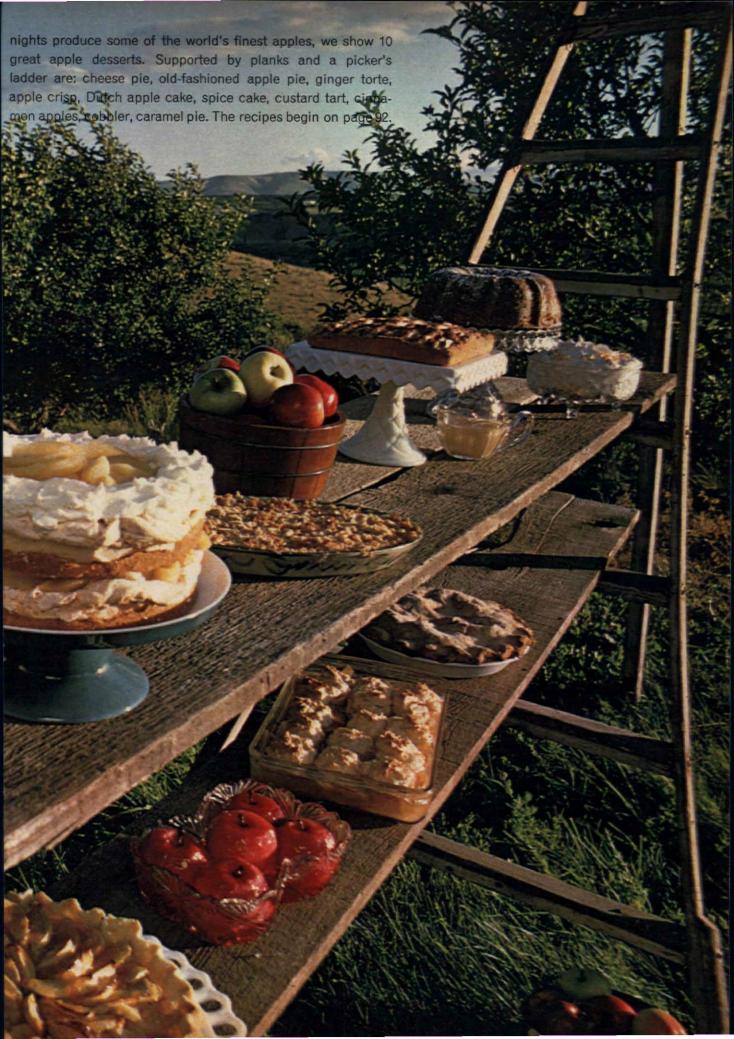


nd. \$1865. In the future: cordless headphones (Hitachi) keep you tuned in.

s page, bottom left: Panasonic's mini solid-state caste recorder has remote mike, earphone, case, batteries. 5. Top, left: The Ampex Micro 52 stereo tape deck plays settes; records sound-on-sound. \$150. Top, right: Bell & well's reel-to-reel Autoload is self-threading, has built-in takers. \$200. Center: Lloyd's keyboard-operated stereosette system has mikes, two speakers. \$120. Right: Bell &

Howell's portable cassette recorder-player has AM/FM radio from which you can record while listening. \$90. Right, center: General Electric's solid-state portable cassette recorder-player has T-bar control, remote mike, is battery operated. \$40. Bottom, right: Panasonic's Monte Carlo 8-track cartridge stereo car player, with keylock bracket, \$115; converts to home player with home converter unit. Accessories: a cassette adapter pack, an FM stereo radio pack (shown), and a marine band radio pack that insert like cartridges.





APPLE DESSERTS continued

Fresh apples are available all year and are at their peak from October to March. When buying apples, select those that are firm to the touch. Firmness is particularly important when buying large apples as they tend to mature more rapidly and, when soft, may be mealy or mushy in texture and overripe in flavor, too mellow for good taste.

One pound of unpared apples, 3 medium-size, will give you about 3 cups pared, diced or sliced apples. To keep apples at their best, store them in the refrigerator or an equally cool place.

For all cooking—pies, sauce and baking—buy any of these varieties: Baldwin, Cortland, Golden Delicious, Gravenstein, Grimes Golden, Rhode Island Greening, Jersey Red, Newtown, Rome Beauty, Starr, Stayman, Wealthy, Winesap, and York. Jonathan, Lodi, Northern Spy, McIntosh and Yellow Transparent can be used for pie and sauce but not for baking.

GINGER APPLE TORTE

1/2 cup butter or margarine 11/4 cups sugar 1/2 teaspoon ground ginger 4 eggs, separated 1 cup sifted cake flour 2 teaspoons baking powder 1/8 teaspoon salt 1/3 cup milk 1/2 teaspoon vanilla 5 cups sliced, pared and cored cooking apples 1/4 cup sugar 2 packages (3 ounces each) cream cheese 1 tablespoon milk or cream 1 tablespoon confectioners' sugar

Cream butter or margarine, ½ cup sugar and ginger. Add egg yolks, one at a time, beating well after each addition. Sift flour, baking powder and salt together; add alternately with milk to creamed mixture. Add vanilla. Pour into 2 wax-paper-lined 8x1½-inch round cake pans. Beat egg whites until stiff but not dry. Add remaining ¾ cup sugar slowly, beating until glossy and stiff. Spread on top of cake batter. Bake at 300° for 1 hour. Cool in pans. Remove from pans carefully.

Place apples in single layer in shallow baking pan; sprinkle with sugar. Bake at 400° for 20 minutes or until tender. Cool.

Place one layer of cake on serving platter; top with half the apples. Set second layer on top. Arrange remaining apples on top in swirl pattern. Whip cream cheese, milk or cream and confectioners' sugar; spoon into a circle around edge of torte; swirl. Sprinkle with candied ginger, if desired.

APPLE CRISP

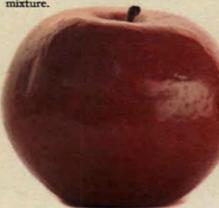
4 cups sliced, pared and cored cooking apples
1 cup sifted all-purpose flour
1/4 cup brown sugar, firmly packed
1 teaspoon ground cinnamon
1/4 teaspoon ground nutmeg
1/4 teaspoon salt
1/2 cup butter or margarine

Heat oven to 375°. Put apples into greased 1½-quart, shallow baking dish. Blend flour, sugar, cinnamon, nutmeg and salt with butter or margarine to a mealy consistency; sprinkle over apples. Bake 30 to 40 minutes or until apples are tender and topping is slightly crusty and brown. Serve warm with whipped cream or cream, if desired. Makes 6 to 8 servings.

VARIATIONS

Peanut Apple Crisp: Add 1 cup chopped peanuts to the topping mixture.

Cheese Apple Crisp: Reduce brown sugar in topping to ½ cup. Add 1 cup shredded Cheddar cheese to the topping mixture.



DUTCH APPLE CAKE

1½ cups sifted all-purpose flour
2 teaspoons baking powder
½ teaspoon salt
¼ cup sugar
½ cup shortening
1 egg
½ cup milk
2 cups sliced, pared and cored cooking apples
¼ cup sugar
1 teaspoon ground cinnamon
3 tablespoons melted butter or margarine

Heat oven to 400°. Grease 9x9x2-inch pan. Sift flour, baking powder, salt and ¼ cup sugar into bowl. Cut in shortening with pastry blender. Beat egg and milk together until blended; add to dry ingredients; stir just to blend well. Spread dough in prepared pan. Arrange apple slices on dough. Sprinkle with ¼ cup sugar mixed with cinnamon. Drizzle with butter or margarine. Bake 30 to 35 minutes or until wooden pick inserted in center of cake comes out clean. Serve with Vanilla Sauce or whipped cream.

VANILLA SAUCE

1/2 tablespoons cornstarch
1/2 tablespoons alt
1/3 cups boiling water
3 tablespoons butter or margarine
2 teaspoons vanilla

Combine sugar, cornstarch and salt in saucepan. Stir in boiling water. Cook over medium heat, stirring constantly, until thickened and clear. Cook 3 minutes longer. Remove from heat; stir in butter or margarine and vanilla. Serve warm. Makes 2 cups.

CARAMEL APPLE PIE

Pastry for 2-crust pie
6 cups sliced, pared and cored
cooking apples
1/3 cup dark corn syrup
1/2 cup brown sugar, firmly packed
1/2 teaspoon ground cinnamon.
3 tablespoons melted butter or
margarine
4 teaspoons cornstarch
1/4 teaspoon salt

Prepare pastry. Roll out half the pastry to a 12-inch circle; line 9-inch pie plate. Heat oven to 425°. Arrange apple slices in pastry-lined plate. Combine remaining ingredients; pour over apples. Roll out remaining pastry for top crust; cut vents to allow steam to escape during baking. Place over filling; seal; flute. Bake 45 minutes or until apples are tender and crust is golden.

APPLE COBBLER

34 cup sugar
2 tablespoons flour
15 teaspoon ground cinnamon
14 teaspoon salt
5 cups sliced, pared and cored
cooking apples
14 cup water
1 tablespoon butter or margarine
1 cup sifted all-purpose flour
1 tablespoon sugar
115 teaspoons baking powder
15 teaspoon salt
16 teaspoons shortening
17 cup milk

Heat oven to 400°. Combine ¾ cur sugar, 2 tablespoons flour, cinnamor and ¼ teaspoon salt. Mix with apples Place in 1½-quart, shallow baking dish Sprinkle water over apples; dot with butter or margarine. Cover with alumi num foil; bake 15 minutes. Sift 1 cur flour, 1 tablespoon sugar, baking powder and ½ teaspoon salt together; cut ir shortening. Stir in milk. Drop by spoon fuls onto hot apples. Return to oven Bake, uncovered, 25 to 30 minutes or until topping is browned and apples are tender. Serve warm with cream or icc cream, if desired. Makes 6 servings.

Shuck Roast revisited

mpbell's Soup gives good ol'chuck great new personality!

CHILI CHUCK

- roast
- tablespoons flour
- 2 tablespoons shortening can (1 pound)
- tomatoes 1/2 cup water

bbell

- 31/2 pound boned chuck 1 cup chopped onion
 - 2 teaspoons chili powder
 - 1 can Campbell's Chili Beef Soup
 - 1/2 cup diced green pepper

fat; cut meat into thin strips; sprinkle with flour. In skilprown meat in shortening; pour off fat. Add tomatoes, r, onion, and chili powder. Cover; cook over low heat 1 . Stir now and then. Add soup and green pepper; cook red ½ hour more or until tender. Stir now and then. Serve rice. 6 servings. (Yield - about 61/2 cups)





CHUCK BOURGUIGNONNE

21/2-pound boned chuck 1 large bay leaf roast (about 2 inches thick)

6 slices bacon, cooked and crumbled

(save drippings) 1 can Campbell's Beef Broth

Campbells

11/4 cups water 1/2 cup dry red wine

2 large cloves garlic,

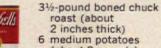
1/2 pound (about 8) small whole white onions

4 medium carrots, cut in half

1/2 pound sliced fresh mushrooms (about 2 cups) or 1 can (4 ounces) sliced mushrooms, drained 2 tablespoons flour

Trim all fat from chuck; cut into 11/2-inch cubes. In large heavy pan, brown in bacon drippings; pour off fat. Sprinkle with salt, pepper. Add bacon, soup, 1 cup water, wine, garlic, bay leaf, Cover; simmer 1 hour. Stir now and then. Add onions, carrots, mushrooms. Cover; simmer 1 hour or until tender. Remove bay leaf. To thicken, gradually blend ¼ cup water into flour. Push meat, vegetables to one side. Slowly stir flour mixture into sauce. Cook, stirring until thickened. 4 servings.

CHUCK ROAST AU GRATIN



(about 2 pounds), peeled and cut in half

optional 2 cans Campbell's

Cream of Mushroom Soup 1/2 cup grated Cheddar

dried chives,

1 tablespoon chopped Paprika

fat from meat; place in large baking pan (13x9x2"). Roast 0°F. for 1 hour; spoon off fat. Arrange potatoes around . Combine chives and soup; pour over meat and potatoes. r; bake 2 hours more or until meat and potatoes are ten-prinkle with cheese and paprika; bake until cheese melts.

08 more exciting recipes in Campbell's "Cooking With Soup" Just send 60¢ with your name and address to COOKBOOK, 75, Maple Plain, Minn. 55359. Please allow 3 weeks for handling. good only in U.S.A. and Puerto Rico. Void if restricted or for by law. Offer may be withdrawn at any time.

m! M'm! Good and easy!



COOKING LESSON No. 21 By Virginia T. Habeeb

Boeuf à la Mode is pot roast—and so is Posta de Carne (Puerto Rico) and Essig Fleisch (Israel) and Rheinischer Sauerbraten (Germany). It is a dish beloved around the world, one in which good cooks transform an inexpensive cut of beef into something special. The French classic is braised slowly in a wine sauce, garnished with carrots and glazed onions. Here are our step-by-step how-tos. Recipes for six other versions and some go-withs begin on page 102.



5- to 6-pound pot roast . of beef

MARINADE

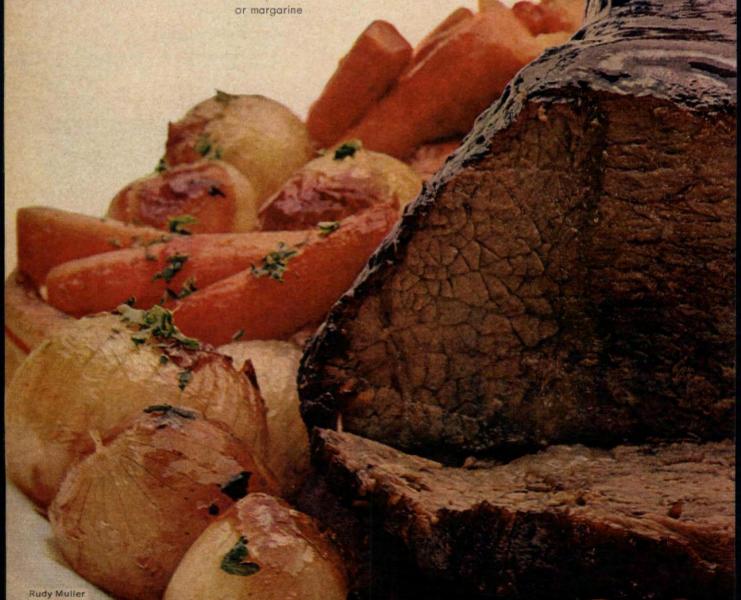
- 2 cups dry red wine
- 1 cup water
- 11/2 teaspoons salt
- 1 teaspoon peppercorns
- 2 cups sliced, pared carrots
- 2 cups sliced onion
- 1 clove of garlic, crushed Handful of parsley stems
- $\frac{1}{2}$ teaspoon leaf thyme

- 1 bay leaf
- 2 whole cloves
- SAUCE
- 1/4 cup shortening or pure vegetable oil
- 1 can (8 ounces) tomato
- 1 can (10½ ounces) beef broth
- 2 cups water
- GARNITURE
- 16 small carrots, pared
- 4 tablespoons butter

- 18 to 24 small white onions, peeled
- 1 tablespoon sugar
- ½ teaspoon salt 1 tablespoon
- cornstarch 2 tablespoons cold

water Chopped parsley









Cookies made with coconut have no tomorrow



Put coconut in your cookies today, and they probably won't last till tomorrow. They tend to get snapped up pretty fast. Because they're no longer just your ordinary, everyday, run-of-the-mill cookies.

They're Oatmeal, Chocolate Chip, Chewy Coconut, Fudge Drop and Thumbprint cookies. All with the extra added attraction of coconut.

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Your cookies have an extra little crunch. The coconut crunch. Making them more interesting to eat.

An exciting new flavor creeps in, suddenly giving your cookies the flavor of the tropics, the exotic taste of coconut.

We even have a special coconut for cookies. Baker's® Cookie™ Coconut. Just the right length and texture to make your cookies better-tasting, and better-looking. Of course, our Premium Shred® Coconut and our Angel Flake® Coconut are great for cookies, too.

And, as you can see, coconut is its own reward and you may just end up being the most popular mother on the block.

If you'd like the recipes for these cookies, send your name, address, and ZIP code to: Cookie Recipes, Box 4051, Kankakee, Ill. 60901.

Baker's Coconut. Desserts deserve it.





OLD-FASHIONED WHITE BREAD

Quick-mix method: The yeast is mixed with the dry ingredients. Then the warm liquids are added.

12/3 cups milk
3/4 cup warm water
3 tablespoons sugar
1 tablespoon salt
1/4 cup shortening
61/2 to 7 cups sifted all-purpose
flour

2 packages active dry yeast or 2 cakes compressed yeast

Combine milk, water, sugar, salt and shortening in saucepan. Warm over low heat until tiny bubbles start to form around the edge of the pan. (Shortening need not melt.) Cool to lukewarm.

Measure 2 cups flour into large mixing bowl. Stir in undissolved yeast. Add lukewarm milk mixture. Beat 2 minutes at medium speed of electric mixer, scraping bowl occasionally. Add 1 cup flour, or enough flour to make a thick batter. Beat at high speed 2 minutes, scraping bowl occasionally. Stir in enough additional flour with a wooden spoon to make a soft dough. Turn out onto lightly floured board; knead about 8 to 10 minutes or until smooth and elastic. Place in greased bowl; turn to bring greased side up. Cover; let rise in warm place, free from draft, about 1 hour or until doubled in bulk. Punch dough down; cover; let rise about 30 minutes or until almost double. Grease two 9x5x3-inch loaf pans. Punch dough down; tuin out onto board; knead to distribute air bubbles. Divide in half; shape each half into loaf; place in pans; cover. Let rise 1 hour or until doubled in bulk. Bake at 425° for 25 to 30 minutes. Remove from pans and cool on wire racks. Makes 2 loaves.

HERB CASSEROLE BREAD

Casserole method: The kneading and shaping steps are eliminated. Dough rises once in bowl.

1/2 cup milk

2 tablespoons sugar

1 teaspoon salt

1 tablespoon butter or margarine

2 tablespoons finely chopped onion

1 teaspoon leaf oregano, crumbled

1/4 teaspoon leaf marjoram, crumbled

1/4 cup warm water (105° to 115°)

1 package active dry yeast or 1 cake

compressed yeast

1 egg 2¾ cups sifted all-purpose flour

Combine milk, sugar, salt, butter or margarine, onion, oregano and marjoram in saucepan. Heat until bubbles appear around the edge and shortening is melted; cool to lukewarm. Measure warm water into medium-size mixing bowl; sprinkle or crumble in yeast; stir to dissolve. Add lukewarm milk mixture. Stir in egg. Add 1 cup flour or enough flour to make a thick batter. Beat vigorously until mixture is well blended. Stir in enough additional flour to make a stiff batter. Beat until well blended. Cover; let rise in warm place (85°), free from draft, about 50 to 60 minutes or until doubled in bulk.

Stir batter down. Turn into well-greased 1½-quart casserole or mixing bowl. Let rise 30 minutes. Bake at 350° for 45 to 50 minutes or until well browned. Remove from oven; allow to cool in bowl 3 minutes. Remove from bowl; cool thoroughly on wire rack.

SOURDOUGH BREAD

STARTER:

13/4 cups sifted all-purpose flour

1 tablespoon sugar

1 tablespoon salt

1 package active dry yeast

2½ cups warm water

DOUGH:

5 to 6 cups unsifted all-purpose flour

3 tablespoons sugar

1 teaspoon salt

1 package active dry yeast

1 cup milk

2 tablespoons butter or margarine

11/2 cups starter

To make starter: Combine flour, sugar, salt and undissolved yeast in large bowl. Add warm water gradually. Beat until thoroughly blended. Cover; let stand at room temperature 4 days.

Stir mixture daily.

To make dough: Combine 1 cup flour, sugar, salt and undissolved yeast in large bowl. Combine milk and butter or margarine in saucepan. Warm over low heat until tiny bubbles begin to appear around edge of pan. Add to dry ingredients gradually; beat 2 minutes at medium speed on electric mixer, scraping bowl occasionally. Add 11/2 cups starter and 1 cup flour. Beat at high speed 2 minutes, scraping bowl occasionally. Stir in enough additional flour with a wooden spoon to make a soft dough. Turn out onto lightly floured board; knead about 8 to 10 minutes or until smooth and elastic. Place in greased bowl; turn over to bring greased side up. Cover; let rise in warm place (85°), free from draft, about 1 hour or until doubled in bulk.

Punch dough down; turn out onto lightly floured board. Let rest 15 minutes. Divide dough into 3 equal pieces. Shape each piece into a loaf 12 inches long. Place on greased cookie sheets. Cover; let rise 1 hour or until doubled in bulk. Brush the loaves with water;

make diagonal slashes with a sharp knife. Set a shallow pan of hot water in bottom of oven. Bake at 400° for 30 minutes or until medium brown. Cool on wire racks.

To reuse starter: Add $1\frac{1}{2}$ cups lukewarm water, $\frac{3}{4}$ cup unsifted flour and $1\frac{1}{2}$ teaspoons sugar to leftover starter. Beat 1 minute at medium speed on electric mixer. Cover; let stand until ready to use. Stir down daily.

CORN-CHEDDAR BUBBLE LOAF

(Cool rise and quick-mix method: Dough is mixed, kneaded, shaped, and refrigerated until baking time.)

5 to 6 cups unsifted all-purpose

2 tablespoons sugar

2 teaspoons salt

1 cup yellow cornmeal

2 packages active dry yeast or

2 cakes compressed yeast ½ cup finely shredded Cheddar cheese

13/4 cups milk

½ cup water 2 tablespoons butter or margarine

Pure vegetable oil

Melted butter or margarine

Sift 2 cups flour, sugar, salt, cornmeal and undissolved yeast together into large mixing bowl. Stir in cheese.

Combine milk, water and butter or margarine in saucepan. Heat over low heat until tiny bubbles form around edge of pan. Cool to lukewarm. Add to dry ingredients; stir until thoroughly blended. Stir in enough additional flour to form a soft dough. Turn out onto lightly floured board; knead about 5 to 8 minutes or until smooth and elastic. Cover; let rest 20 minutes.

Punch dough down; divide into 32 equal pieces; shape into balls. Arrange in two layers in greased 10-inch tube pan. Brush with vegetable oil; cover loosely; refrigerate 2 to 24 hours (bake anytime within this period). Remove from refrigerator. Uncover; let stand at room temperature 10 minutes. Bake at 375° for 55 to 60 minutes or until done Remove from pan; cool on wire rack Brush with butter.

CHILI BUTTER

1 pound butter (2 cups) 1 package (1% ounces) chili seasoning mix

Soften butter. Blend in seasoning mix Chill. Makes 2 cups.

HERB BUTTER

½ pound butter (1 cup)

½ teaspoon leaf tarragon, crumbled ¼ teaspoon leaf thyme, crumbled

3 tablespoons chopped parsley

Soften butter. Stir in remaining in gredients. Chill. Makes about 1 cup.

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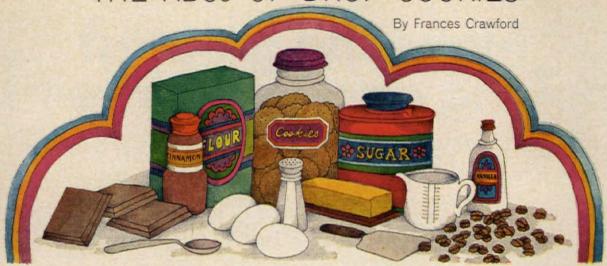
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THE ABCs OF DROP COOKIES



Cookies are among the simplest things to make. Of all the types—drop, bar, rolled, pressed, molded and refrigerator—the easiest are drop cookies. The ingredients are mixed together to form a soft dough, dropped from a spoon onto a cookie sheet and baked quickly. Before you begin, study these hints.

SECRETS OF PERFECT COOKIES

Select cookie sheets that are bright and shiny (aluminum or stainless steel) for best baking and delicate browning. Dark ones absorb heat and may cause bottoms to overbrown.

A cookie sheet should be 2 inches shorter and narrower than the oven so the heat can circulate around it.

For best results, bake one sheet of cookies at a time on the oven rack in the top third of the oven. If you must bake two sheets, put the second oven rack close to the first and, partway through the baking, switch sheets for more even browning.

Have a cool cookie sheet ready for the second batch. Putting dough on a hot cookie sheet may cause the shortening to melt, making the cookies spread and lose their shape.

Shaping drop cookies is easy. First, spoon up a small amount of dough on a teaspoon. Next, push the dough from the spoon with a small spatula or another spoon onto the cookie sheet. Mound the dough.

Check cookies when the minimum baking time is up. Try not to overbake them. Cookies continue to bake until you take them from the cookie sheet, so loosen them at once with a spatula and transfer them to a wire rack to cool.

Place cookies on the rack in a single layer. Don't overlap; they may stick together or lose shape.

Store crisp cookies in a container with a loose-fitting cover. The air helps keep them crisp. Soft cookies should be stored in a container with

a tight-fitting cover. An airtight compartment helps keep them soft.

CHOCOLATE NUT DROPS

4 squares unsweetened chocolate

13/4 cups sifted all-purpose flour 11/2 teaspoons baking powder

½ teaspoon salt

1/4 teaspoon baking soda

1/4 teaspoon ground cinnamon

1/2 cup butter or margarine

1 cup sugar

2 eggs

1 teaspoon vanilla

1/2 cup milk

1 cup chopped walnuts or pecans Sugar

- 1. Heat oven to 375°. Grease 2 cookie sheets.
- Put chocolate into the top of small double boiler or into small saucepan. Set over hot, not boiling water until chocolate melts. Set aside to cool.
- 3. Sift flour, baking powder, salt, baking soda and cinnamon together into a bowl or onto wax paper.
- 4. Cream butter or margarine in mixing bowl until light.

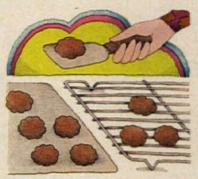


- 5. Beat in 1 cup sugar slowly. Beat until light and fluffy.
- 6. Add eggs, one at a time, beating well after each addition.
- 7. Stir in the chocolate and vanilla. 8. Add the sifted dry ingredients alternately with the milk, mixing well after each addition. Begin and end with the dry ingredients.
- 9. Stir in the chopped nuts.



10. Drop the batter by teaspoonfuls onto greased cookie sheets, leaving about 2 inches between each cookie to allow room for them to spread.

11. Bake 10 to 15 minutes or until cookie feels firm when touched with fingertip.



12. Loosen cookies with a spatula. Transfer to wire rack.

13. Sprinkle warm cookies with sugar. Or, frost cooled ones with Mocha Frosting. Makes about 4 dozen.

MOCHA FROSTING

3 tablespoons butter or margarine

11/2 cups sifted confectioners' sugar

11/2 tablespoons milk or cream

1 teaspoon instant coffee

1 tablespoon cocoa

1/2 teaspoon vanilla

1. Cream butter or margarine and sugar.

2. Stir in remaining ingredients. Blend until smooth. Makes 1½ cups.

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the real thing.

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POT ROAST continued from page 94

Pot roasts are made by braising the less-tender cuts of beef. The meat is first browned, then simmered long and slowly in a small amount of liquid. The following cuts of beef taste best when cooked this way.

Boneless chuck is cut from the chucksection of the steer. The large blade bone has been removed and the meat rolled and tied to make a solid piece.

Arm roast, also called a chuck roast, is a thick, flat piece cut from the chuck. It contains a small round arm bone.

Blade roast, cut from the larger bone section of the chuck, is a thick, flat piece that contains a section of the blade bone and two or three smaller bones. It is sometimes sold boned.

Round is a piece cut from the leg usually as one oval-shaped piece. There are three kinds: top round, bottom round and eye of the round.

Sirloin tip is cut from the side of the round (usually, the top section). It is most often boned, rolled and tied.

Rump is a meaty cut that comes from the hip section. It is usually boned.

In addition to wine-laced French pot roast in the cooking lesson on page 94, here are six other national favorites. YANKEE POT ROAST

Chock-full of vegetables.
5- to 6-pound pot roast of beef
1½ teaspoons salt
¼ teaspoons fat or pure
vegetable oil
2 cups chopped onions (2 large)
1 cup chopped celery
4½ cups water
8 to 10 small carrots, pared
4 to 5 potatoes, pared and halved
12 to 15 small white onions, peeled
1 tablespoon flour

2 tablespoons cold water

Sprinkle meat with salt and pep Heat fat or oil in Dutch oven or he kettle over medium heat. Brown bee all sides. Remove meat from pan. aside. Sauté onions and celery in fa oil left in pan until brown. Return n to pan. Add 4½ cups water. Co Bring to boiling. Simmer on surface I or bake at 350° for 2½ to 3 hour until meat is almost tender, turning casionally during cooking. Add carpotatoes and onions. Cook 30 min longer or until meat and vegetables tender. Remove meat and vegetable platter. Keep warm.

Skim all fat from liquid. Blend and 2 tablespoons cold water to smooth paste. Stir into liquid. C stirring constantly, until thickened. rect seasoning to taste. Makes 8 to servings.

ISRAELI POT ROAST

Spiced with ginger.
5- to 6-pound pot roast of beef
1½ teaspoons salt
¼ teaspoon pepper
¼ cup pure vegetable oil
4 cups chopped onions (4 large)
1 cup cider vinegar
½ cup brown sugar, firmly packed
Dash of ground ginger
2 cups water
1 tablespoon cornstarch
1 tablespoon cold water

Sprinkle meat with salt and per Heat oil in Dutch oven or heavy k over medium heat. Brown meat o sides. Remove from pan. Set a Sauté onions in oil left in pan 5 min Return meat to pan. Add vinegar, signinger and 2 cups water. Cover. Brit boiling. Simmer on surface heat or at 350° for 3 to 3½ hours or until is tender, turning occasionally. Resto platter. Keep warm.

Skim all fat from liquid. Blend starch and 1 tablespoon cold water smooth paste. Stir into liquid. C stirring constantly, until thickened. rect seasoning to taste. Makes 10 servings. (contin

Napoleon was small, too.



The small delicate peas that rival the French petits pois in flavor.



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TOASTETTES Toaster Pastries. Baked by the great American baker, NABISCO. TOASTETTES, with a tender golden crust glazed with a touch of sugar. And inside that crust, America's favorite fillings: blueberry, apple, strawberry, cherry or brown sugar and cinnamon.

TOASTETTES: The American Pastry



To enter the TOASTETTES® Pastry-Taster Sweepstakes

nd your name and address, together with a ETTES Toaster Pastry box top or a 3" x 5" of paper on which you have hand printed in block letters, the word "TOASTETTES." nsin and Washington residents send only and address on a plain piece of paper. IRCHASE REQUIRED.

I entries to TOASTETTES "Pastry Tasters" batakes, P.O. Box 906, Westport, Connect-880, Enter as often as you like. Only one per family will be awarded. Each entry be in a separate, stamped, addressed enaugh and must be postmarked by November 69, and received before midnight, Decem-1969. All entries become the property of NAL BISCUIT COMPANY, and none will be ed.

 Winners, whose selection shall be final, will be chosen at random by an independent judging organization. All 2,010 prizes will be awarded provided at least 2,010 qualified entries are received. Applicable taxes are the responsibility of the winners.

 Prizes will be awarded in descending order of value. Winners will be notified by mail no later than 30 days following closing date.

The sweepstakes is open to all residents of the U.S. except employees (and their families) of NATIONAL BISCUIT COMPANY, its advertising and sweepstakes agencies. Federal, state and local government regulations apply. Void in Missouri and where prohibited by law.

 A list of winners may be obtained by sending a stamped, self-addressed envelope to Winners List, P.O. Box 918, Westport, Connecticut 06880.

P.O. Box 906 Westport, Connecticut 06880 Please enter me in the TOASTETTES® F Enclosed is a box top from one package Pastries or the word "TOASTETTES" ha letters on a 3" x 5" piece of paper. Name	of TOASTETTES Toaste
Enclosed is a box top from one package Pastries or the word "TOASTETTES" ha letters on a 3" x 5" piece of paper.	of TOASTETTES Toaste
(Please Print)	
Address	

POT ROAST continued

RHINELAND SAUERBRATEN

Sweet and sour.

5- to 6-pound pot roast of beef

11/2 teaspoons salt

2 cups red wine vinegar

1/2 teaspoon peppercorns

2 whole cloves

1 bay leaf

1 cup sliced onion (1 large)

3 cups water

Flour

1/4 cup shortening

1 cup diced, pared carrots

1 cup chopped onion (1 large)

6 gingersnaps, crushed

1 cup currants or raisins (optional)

Potato Dumplings

Sprinkle meat with salt. Place in glass or stainless-steel bowl. Combine vinegar, peppercorns, cloves, bay leaf, sliced onion and water in saucepan. Bring to boiling. Pour over meat. Cool; refrigerate 10 to 12 hours, turning meat occasionally.

Remove meat. Drain; wipe dry. Dredge in flour. Strain marinade; reserve. Brown meat on all sides in shortening in Dutch oven or heavy kettle. Remove. Sauté carrots and onion in fat left in pan. Return meat to pan. Add mari-

nade. Cover. Bring to boiling. Simmer on surface heat or bake at 350° for 3 to $3\frac{1}{2}$ hours or until meat is tender, turning occasionally. Remove to platter.

Skim all fat from liquid. Strain into saucepan. Add gingersnaps; bring back to boiling, stirring until thickened. Correct seasoning. Add currants or raisins. Simmer 1 minute. Serve with potato dumplings. Makes 8 to 10 servings.

POTATO DUMPLINGS

3 cups cold water

2 tablespoons lemon juice

2 pounds potatoes (about 5 medium-

size), pared 2 cups soft bread crumbs

1 tablespoon finely minced onion

2 eggs, beaten

11/2 teaspoons salt

Dash of pepper

Combine water and lemon juice in bowl. Grate potatoes into mixture (this keeps potatoes white). Squeeze potatoes dry in cheese cloth or towel. Combine with remaining ingredients. Shape into 2-inch balls on a floured surface. Drop into boiling water. Cover. Simmer 15 to 20 minutes. Makes 8 servings.

PUERTO RICAN POT ROAST

Embellished with olives.

5- to 6-pound pot roast of beef

2 cloves of garlic, crushed

11/2 teaspoons salt

1/4 teaspoon pepper

3 tablespoons pure vegetable oil

1/4 cup wine vinegar

1 cup red port wine

1 can (101/2 ounces) beef broth

2 cups water

1 cup pitted ripe olives

2 tablespoons cornstarch

2 tablespoons cold water

Hot, cooked rice

Rub meat with garlic clove. Sprinkle with salt and pepper. Brown in oil in Dutch oven or heavy kettle. Discard oi in pan. Add vinegar, wine broth, 2 cup water and 1 clove garlic. Cover. Bring to boiling. Simmer on surface heat or bake at 350° for 3 to 3½ hours or until tender turning occasionally. Add olives. Remove to platter. Keep warm.

Skim all fat from liquid. Blend corn starch and cold water. Stir into liquid Cook, stirring constantly, until thick ened. Discard garlic. Serve with rice Makes 8 to 10 servings.



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Spacemakers turn waste space into a storage place—for baked goods, spices, gadgets. Smoothgliding, tilt-down Spacemakers install with one simple fastener. So add storage space now . . . and save. The \$1.00 Off Sale runs from September 25 through October 31 . . . worth looking for!

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Towel & Wrap Dispens Reg. \$7.95, Now \$6.95



T ROAST

NGARIAN POT ROAST soned with paprika. o 6-pound pot roast of beef teaspoons salt cup fat or pure vegetable oil ups chopped onions (3 large) ablespoons mild paprika ans (101/2 ounces each) beef broth consommé an (8 ounces) tomato sauce ay leaf ups water blespoons cornstarch blespoons cold water tered noodles

prinkle meat with salt. Heat fat or n Dutch oven or heavy kettle over lium heat. Brown meat on all sides. nove from pan. Set aside. Sauté ons in fat or oil remaining in pan 5 utes or until golden. Sprinkle onions paprika. Cook 1 minute, stirring stantly. Return meat to pan. Add h or consommé, tomato sauce, bay and 2 cups water. Cover. Bring to ing. Simmer on surface heat or bake 50° for 3 to 31/2 hours or until meat nder, turning occasionally. Remove t to serving platter. Keep warm. kim all fat from liquid. Blend corn-

ing constantly, until thickened. Corseasoning. Serve with buttered noo-

IAN POT ROAST

to Gnocchi

. Makes 8 to 10 servings.

h tomatoes and herbs. 6-pound pot roast of beef teaspoons salt up olive or vegetable oil elery stalks, finely chopped up finely chopped, pared carrots ips chopped onions (2 large) ins (8 ounces each) tomato sauce ips water oves of garlic, crushed easpoon leaf basil, crumbled aspoons leaf oregano, crumbled easpoon salt blespoons cornstarch blespoons cold water

prinkle meat with salt and pepper. t oil in Dutch oven or heavy kettle medium heat. Brown meat on all s. Remove from pan. Set aside. té celery, carrots and onions in oil in pan until golden. Return meat to Add tomato sauce, 2 cups water, ic, herbs and salt. Cover. Bring to ng. Simmer on surface heat or bake 50° for 3 to 31/2 hours or until meat nder, turning meat occasionally durcooking. Remove meat to serving ter. Keep warm.

kim all fat from liquid. Blend corn-

The blueberry muffin with the blueberriest flavor.

More blueberry flavor than any other mix. A can of wild Maine blueberries in every box gives a fresh, bright berry taste to every fragrant muffin.

If you like more blueberry flavor in your muffins, this is the one.

Betty Crocker Wild Blueberry Muffin Mix.



starch and 2 tablespoons cold water to a smooth paste. Stir into liquid. Cook, stirring constantly, until thickened. Correct seasoning to taste. Serve gravy separately. Serve with Potato Gnocchi. Makes 8 to 10 servings.

POTATO GNOCCHI

1 pound potatoes, pared and quartered 2 tablespoons butter or margarine 1 egg, beaten 1 cup sifted all-purpose flour

1/4 teaspoon salt

Dash of pepper 1/4 cup melted butter or margarine

1/3 cup grated Parmesan cheese

Cook, drain and mash potatoes. Beat in butter or margarine and egg. Add flour, salt and pepper. Knead to a dough, adding more flour if dough is sticky. Divide dough in four pieces. Roll each piece on lightly floured surface into a cylinder 1/2 inch in diameter. Cut into 1-inch-long pieces. Drop one by one into gently boiling water. Cook for about 3 minutes or until they come to the surface. Remove from pan with slotted spoon; place in ovenproof, shallow dish. Drizzle with butter or margarine. Sprinkle with cheese. Put under broiler or in hot oven for 1 to 2 minutes. Makes 8 servings. END

blueberry

muffin

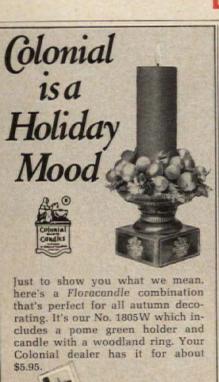
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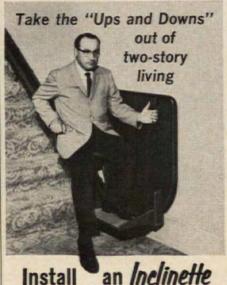
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This colorful booklet tells about Inclinette, the 2-passenger Inclin-ator, and "Elevette" — our modern home elevator.



INCLINATOR COMPANY OF AMERICA 2251 Paxton St., Harrisburg, Pa. 17105 APPLE DESSERTS continued from page 92

CINNAMON APPLES

1 cup sugar

1 cup (8½-ounce package) red cinnamon candies

2 cups water

6 large cooking apples, pared, stems left on Custard Sauce

Cook sugar, candies and water in large skillet about 10 minutes or until candies are dissolved. Place apples in skillet; cook over low heat until just tender, basting frequently with sauce. Chill. Serve with whipped cream or Custard Sauce.

CUSTARD SAUCE

1 cup milk

3 egg yolks

3 tablespoons sugar

1/8 teaspoon salt

1 teaspoon vanilla

Heat milk in top of double boiler until bubbles appear around edge. Beat egg yolks in small bowl with sugar and salt until blended. Stir in milk slowly. Return mixture to double boiler. Cook over hot, not boiling, water until mixture just coats spoon. Pour into bowl. Add vanilla. Cover; cool; chill. Makes 1½ cups.

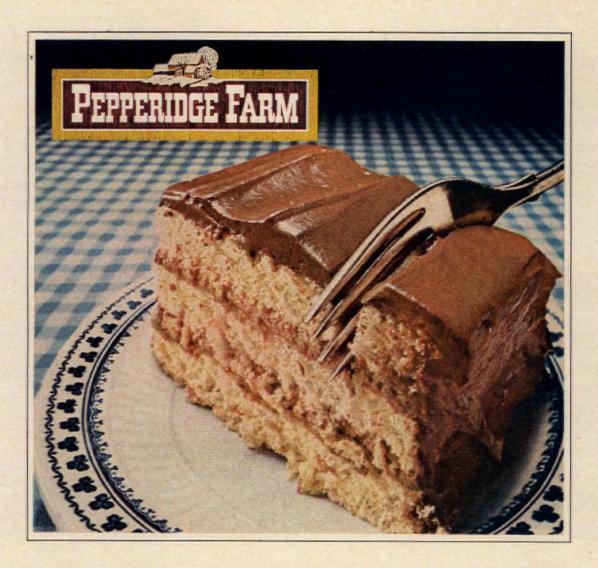
APPLE SPICE CAKE

3½ cups sifted all-purpose flour
2½ cups sugar
¾ cup butter or margarine
3 eggs
2 teaspoons baking soda
1½ teaspoons salt
½ teaspoon ground nutmeg
½ teaspoon ground cinnamon
5 cups chopped, pared and cored apples
1½ cups chopped walnuts
Orange Syrup

Heat oven to 350°. Combine flour, sugar, butter or margarine, eggs, soda, salt, nutmeg and cinnamon in large mixing bowl. Mix at low speed until thoroughly blended (mixture will be very dry). Add apples, 1 cup at a time, mixing well after each addition. Stir in nuts. Turn into well-greased and floured Bundt pan or 10-inch tube pan. Bake 1 hour and 15 minutes. Cool in pan 15 minutes; remove from pan. Spoon Orange Syrup over hot cake or cool cake and dust with confectioners' sugar. Serve with whipped cream, if desired.

ORANGE SYRUP

Combine 2 teaspoons grated orange rind, ½ cup orange juice, ¼ cup sugar and ¼ cup water in small saucepan. Bring to boiling; cook 10 minutes. Makes about ½ cup. continued



Remember the layer cake your mother made, with icing so good you begged to lick the spoon?

Pepperidge Farm remembers.

Of course, you ruined your appetite for dinner, but who cared? That heavenly taste of icing was worth it.

And somehow, you'd manage to get down enough of the evening's lamb chop and peas to deserve a solid wedge of cake itself. The icing would be just as good, second time around. And the fluffy-light cake would be even better.

Remember?

Pepperidge Farm® remembers. We still make that kind of cake. Three layers high, and iced *all* around, of course. And we freeze it fast,

so you can keep it fresh at home.

For children of all ages, we make a cake to suit every taste: Vanilla, Golden, Chocolate Fudge, Devil's Food and Coconut. They're all cakes like your mother made, and you remember how good they were.

Come to think of it, you had better wait until after dinner for your Pepperidge Farm Layer Cake, or you'll spoil your appetite.



These desserts give kids good food energy.



This dessert gives kids more.



Kids think all desserts are good tasting. But Betty Crocker Ready-to-Serve Pudding is more than delicious. Just one serving gives your kids more good food energy than an apple, a banana, gelatin or even the richest ice cream.

Betty Crocker Ready-to-Serve Pudding. More than delicious.

APPLE DESSERTS continued

OLD-FASHIONED APPLE PIE

Pastry for 2-crust pie

1 cup sugar

2 tablespoons flour

1 teaspoon ground cinnamon

1/4 teaspoon salt

6 cups sliced, pared and cored

cooking apples

3 tablespoons butter or margarine

Prepare pastry. Roll out half the pastry to a 12-inch circle; line 9-inch pie plate. Heat oven to 425°. Combine sugar, flour, cinnamon and salt in bowl. Arrange half the apple slices in pastrylined pie plate. Sprinkle with half the sugar mixture. Repeat with remaining apples and sugar mixture. Dot with butter or margarine. Roll out remaining pastry for top crust; cut vents to allow steam to escape during baking. Place over filling; seal; flute. Bake 40 to 45 minutes or until pie is golden brown.

CHEESE APPLE PIE: When making the pastry, add 1 cup shredded Cheddar cheese to the flour mixture before cutting in the shortening. Proceed to make and bake pie as in Old-Fashioned Apple Pie. For a shiny crust, brush top crust with a mixture of 1 egg yolk mixed with 1 tablespoon water before baking.

Note: To make apple design for vent, as pictured on page 90, cut out the shape of an apple from the center of rolled crust. Remove. Fold crust in half and place over filling. Replace apple design. Seal edge; flute.

CUSTARD APPLE TART

11/2 cups sifted all-purpose flour

1/2 teaspoon salt

1/2 cup shortening

to 5 tablespoons cold water

1/3 cup dry bread crumbs

1/4 cup sugar

1 teaspoon ground cinnamon

1/4 teaspoon salt

cups thinly sliced, pared and cored cooking apples

1/4 cup butter or margarine

3 eggs

1 cup heavy cream

1/4 cup sugar

1/4 teaspoon ground nutmeg

3/3 cup apricot preserves

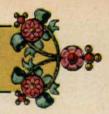
Sift flour and 1/2 teaspoon salt into mixing bowl. Cut in shortening until mixture resembles cornmeal. Sprinkle cold water evenly over surface; stir with fork until all dry particles are moistened and pastry clings together. Shape into ball. Roll out on lightly floured board to a 13-inch circle. Line 10-inch pie plate or flan pan; flute edge.

Heat oven to 425°. Combine bread crumbs, 1/4 cup sugar, cinnamon and 1/4 teaspoon salt; sprinkle over bottom of pastry shell. Arrange apple slices closely together over crumbs in a swirl pattern. Fill just to top of pan. Dot with butter or margarine. Bake 15 minutes.

Beat eggs; beat in cream, 1/4 cup sugar and nutmeg. Pour over apples. Reduce heat to 375°. Bake tart 25 to 30 minutes or until custard is set (a thin-bladed knife inserted 1 inch from edge should come out clean) and apples are tender. Remove from oven. Heat apricot preserves in small saucepan over low heat, stirring until smooth. Spoon over top of hot tart to glaze apples. Cool tart completely. Sprinkle with toasted, slivered almonds, if desired.



Wear-Ever adds a dash of bitters to the pot



The new Cerama Cookware Collection by Wear-Ever.

Bitter colored lids on top of neutral beige

The new bitter beauty look.

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Wear-Ever also makes available a versatile soufflé/casserole dish. It fits into the sauce pan to become a combination cookerserver or it can be used alone as an oven-to-table serving dish.

Cerama comes with tough Teflon II interiors. Special nine-piece set is also available without Teflon, if you prefer.

You add a dash of color to your kitchen when you add a dash of bitters to the pot.

Exclusively Wear-Ever. And very pleasingly priced.

BITTER LEMON CHERRY COBBLER

2 cans (1 lb. 5 oz.) cherry pie filling

1 teaspoon lemon juice, grated lemon peel

I teaspoon liquid red coloring

19-ounce package yellow cake mix

1/3 cup butter or margarine

1. Pour pie filling into 2-quart casserole.

2. Stir in lemon juice, lemon peel, red

3. Sprinkle dry cake mix over filling; dot with butter.

4. Bake for 40 minutes at 375°F.

5. Serve warm topped with whipped cream or ice cream.

6. Eight servings.

BITTER LIME FRUIT SAUCE

1/2 cup sugar

2 tablespoons cornstarch

1/2 teaspoon grated lime peel

1/4 teaspoon ginger

1 tablespoon lime juice

1 12-ounce can apricot nectar

11/4 cups pineapple juice

1. Combine sugar, cornstarch, lime peel, ginger in 11/2-quart saucepan.

2. Stir in lime juice, apricot nectar, pineapple juice; blend thoroughly.

3. Bring to boil; cook over low heat until thickened, stirring constantly. 4. Cool; store in tightly covered container

in refrigerator.

5. Serve over fresh, frozen or canned fruits; garnish with mint.

6. About 3 cups sauce.

WEAR EVER MALCOA





SINGING BAMBOO, FALLING WATER

By Mary Evans

A Japanese garden is not a quiet place, but it is very quieting. It is quieting because it is so full of sounds-the sounds made by breeze and water, by birds and insects and fish, even by man-made wind chimes and water gadgets. The traditional Japanese garden, unlike traditionally well-behaved children, is meant to be heard as well as seen. It can be heard even when it isn't seen. Every Japanese garden is fenced and is a very private place indeed, but people walking by the high board fences can hear the rustle of the bamboo trees and the poignant fourbeat cry of the cicada. The world outside gardens is full of shattering noises. To soothe, a garden must make sounds. (For more photographs, please turn the page; the text continues on page 114.)



Richard Meek

Above, water cascades into the garden pool designed by Kaneji for a family in Westchester, New York. At left it splashes down a rock in the Menlo Park, California, garden of Frank Stout, designed by Geraldine Knight Scott.

Christa



@Sears, Roebuck and Co.

Why did the Dave Brubecks, who could afford the world's most expensive dryer, want a Kenmore from Sears?

Pianist-composer Dave Brubeck lives in a huge Japanese-style house in Wilton, Connecticut, with 5 pianos and 6 children.

Mrs. Brubeck runs this big musical household without any help except for a cleaning lady one day a week.

"With 6 children, I needed the best dryer there is;" says Iola Brubeck, standing in her kitchen next to her new Lady Kenmore dryer from Sears, Roebuck and Co.

"Naturally, I try to buy everything permanent-pressed. Or I'd spend my life ironing. The great thing about our Lady Kenmore dryer is that it adjusts automatically for permanent-pressed fabrics.

"And this Sears dryer has something remarkable they call Wrinkle-Guard. It actually prevents wrinkles from setting in if you're not right there to take clothes out when the drying cycle is through. The Wrinkle-Guard automatically gives clothes a good tumble every 5 minutes for over 2 hours or until I have time to take them out.

"I know we could have paid more for a dryer, but you just can't beat the Sears Kenmore."

Sears Kenmore Dryer

for women who want the best even if it does cost less

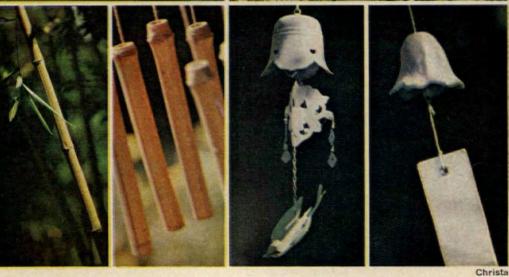
Water trickles musically from a narrow bamboo pipe into a large stone basin in the San Mateo garden of Mrs. Yoshiko Yamanouchi.

A small waterfall, shooting forward over a curved stone, splashes on a rock and into a pool. Hollows in the rock echo the bubbling sound in the Ralph B. Pahlmeyer garden near San Francisco, designed by Landscape **Architect Floyd** H. Mick.

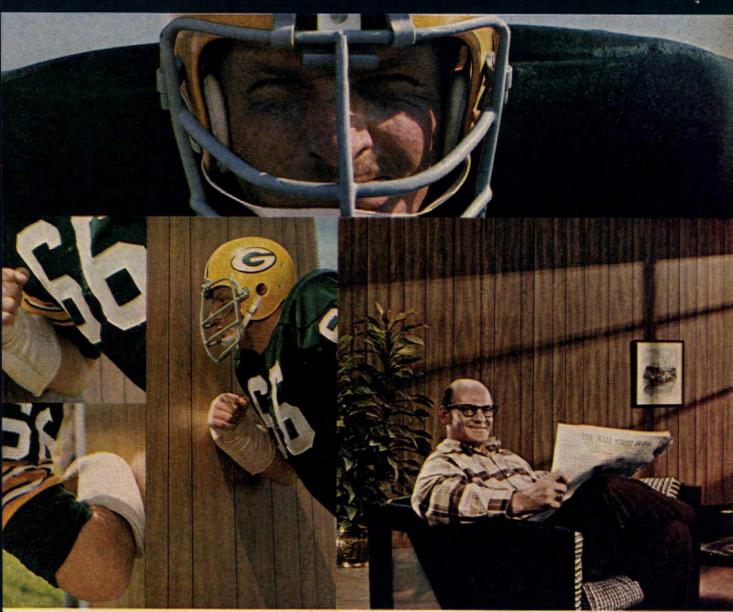


A "wild boar scarer' makes rhythmic hollov thud by a strea in the Sakurai Gardens Restaurant, Mountain View, California.

Wind, too, makes sounds in the Japanese gardenby rustling bamboo leaves, rattling bamboo chimes, and tossing wind bells. Suspended from the bells are elegant birds or "poem strips."



Ray Nitschke meets his match!



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Zip

FALLING WATER continued

Flowers are very rare in Japanese gardens; the only ones that appear are those like the iris which blossom for a short dazzling season, just long enough to give rise to myths and festivals before browning into memory. Some people say the Japanese do not like flowers in their gardens because flowers cannot be kept in constant trim and their bright colors are too distracting. But it is more likely that the Japanese, who are never without fresh flowers and even put them in bathrooms, taxicabs and police boxes, do not find them interesting in gardens because they rarely make very much sound. Flowers are only to be looked at, whereas gardens must be heard.

In animals, the sense of hearing seems to matter more, where emotions are concerned, than sight; sounds have more power to terrorize and to soothe. The cowboy sang to his cattle at night to keep them quiet and to shut out the sounds of the wolves. The creature crouching in all of us is always listening. A too-quiet garden cannot be quieting.

The Japanese so believe in listening to gardens that they even speak sometimes of listening to garden rocks. This doesn't mean that they are hearing "sermons in stones" (though in fact they do a lot of this, being fond of meditating by rock gardens) or even that the earthquakes, which every single day make some part of Japan quiver, keep the rocks rattling around on the ground. It means that the line a row of rocks makes looks like a line of musical notes on a page. Therefore, if you can read notes you should be able to read rocks.

Actually very few Japanese, however musical, are trained to sing from rocks or even to hear their eternal music. Japanese gardens are full of very real sound makers. Water falls, drips, splashes and seeps. Trees sough or rattle in the wind. The man-made sound-makers are worked by the breeze and the stream. Birds sing, fish jump, insects chirp.

Japanese gardeners know how to get attention. For instance, they never let the path be straight or smooth. A garden path is unpredictably crooked and bumpy. The visitor is forced to walk slowly and carefully; thus he has time to seem to notice details, to enjoy. In the same way, the gardener plans the sounds of the garden so that they tease the ear. They are not overwhelming. They can be heard, but most of them must be listened for. They don't drown out the sounds of the world but they are so beautiful and soothing one happily forgets all other distracting sounds.

Whenever possible the Japanese li to have water in their gardens. Japan really a country of water. Much of t time it rains, and there are streams a waterfalls everywhere, and while t young rice is growing the countryside a mirror of flooded fields. So water h longs in the garden too. Of course it dri off the roofs, especially during the lat spring rainy season. The Japanese are fond of listening to this dripping soun which they associate with hominess at new life, that they arrange for water drip all the time in their gardens.

There are many porous volcanic roc in Japan, and out in the mountai water might seep through such rock The Japanese drill tiny holes in the lar porous rocks and pipe water from t back so that it seeps through to the fa of the rock and drips and splashes dov the front, making little pools in the c vices that fill up and overflow and dripped into; the rock becomes a sour maker-apparently by accident.

Even more common are the ma forms of kakehi or bamboo pipes th lead water above ground from a pipe spring down an incline to splash quiet into a pool or basin. Sometimes the bas boo pipes are set up in disjoined section so that water flowing downward dri from the higher section to the lower, a so on down the slope. It splashes into large stone basin hollowed out at t top, itself often placed on a bed of stor by a brook or pool. As the basin fills, overflows, and the water splashes do the side, onto the stones, and into t pool or brook. From a little water com a long delicate stream of sound.

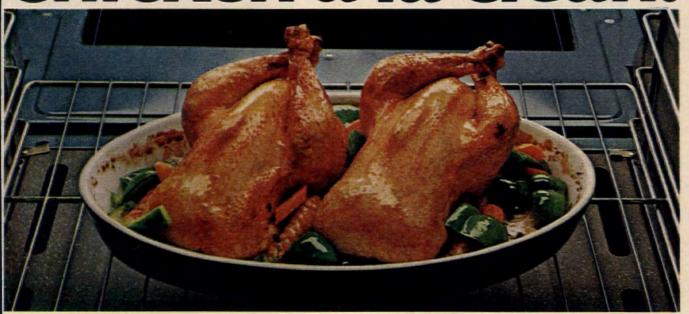
When possible, there are waterfal Even thinking about waterfalls make the Japanese happy:

While the sound of the cascade long has ceased we still hear the murmur of its name.

A waterfall can be many things. It c be a tiny thread or a broad sheet. T contour of the rock off which the way plunges will determine just how water falls. If the rock is shaped in groove it will make the water pour out if from a spout. If the rock is smooth, t water will fall straight. A rough ed will make a tumbling cataract.

According to tradition, the best s for a waterfall is from one to five feet height. Less is dull, more is overwhel ing. The flow of water shouldn't be strong it roars over all other sound that, to the (continue

Chicken-à-la-clean.





*A.G.A. Mark

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It's actually a Continuous Cleaning* oven. (There's a "catalyst" in the oven liners which keeps spills and spatters from baking on.)

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FALLING WATER continued

Japanese ear, is unsubtle and desolate. The sound should be a mere trickle.

Of course, this rule of thumb was devised during an earlier era, when there were no highways and jet planes and souped-up sounds. One Japanese-American garden designer was distressed the first time a client asked him to make a waterfall big enough to all but roar. He begged her to reconsider; at last he complied. Not only did the owner love the finished waterfall but the designer himself found its roar soothing. "Nowadays," he remarks, "the transition from the noise of traffic to a quiet trickle is too difficult to make. Sometimes we do need a bigger waterfall."

Whatever the size, a waterfall is not allowed to land as it will. If it hits a rock, the water splashes, and that is one kind of sound. If it is made to fall into a pool the sound is very resonant and round, and the Japanese much prefer this effect. They have many ways of making this sound "rounder." One of the older ways was to place a large earthen jug mouth-up in the sand under the water just where the fall landed; the sound would echo in the submerged jug and be given extra dimension. More common is placing stones just behind the spot where the fall hits the water. Sometimes tiny caverns are built into the stones as little echo chambers to make a better tone. If rocks overhang the stream the water will gurgle. A narrow channel makes a higher-pitched tone, but if the waterfall is too powerful an unpleasant roar will result. The sides and bottom of the channel should be irregular, so that the water will dance.

Water is also used to operate a most ingenious gadget called the "wild-boar scarer." In the late 16th century, so it is said, a famous gardener whose lord was defeated in battle refused to make gardens for the new ruler. Instead he retired to a hillside outside Kyoto and there comforted himself by making his own garden on the edge of a forest. However, the wild boar kept coming into his garden and eating the tender plants. Lacking the means to make a strong fence, and not wishing to cut off the wild scenery, he invented a noisemaker to scare away the animals. Water drips into a section of bamboo which is closed at one end and balanced on a pivot. The water in filling up the bamboo makes it tip over and spill out; suddenly emptied, the bamboo snaps back and klonks on a rock. This cycle takes less than a minute, is said to frighten off the wildest boar, and makes such a pleasing sound it

is used not only in private gardens be also in the gardens of inns and resta rants—where it acts like a great pulse nature to soothe the savage diner.

Then there are trees. Giant varieti of bamboo creak in the wind; small deleaves and husks rattle in the breez Pine trees, which every Japanese know symbolize long life, murmur reassurin ly. Trees can even seem to sound life water: A garden built in the 14th centur had its trees so planted that to the knowing ear they "simulated the sound of the waves (by the soughing of the wirthrough their branches)."

As much as possible is made of t sound of falling water; so, too, as mu as possible is made of the wind. Hur to catch the breeze under the eaves a bamboo rattles and bells made of potery or copper. From their clappers swijaunty birds or delicate strips of sti shiny paper on which are written in floing hand the first few words of a poer. The poem chosen might be one writt by an 18th-century courtier, probab waiting for a visit from his lady ar listening to every sound:

The wind rustles the bamboo by my window in the dusk.

The quiet sounds of a Japanese gard do not overwhelm the listener but dra him out of himself and into a wid awareness. In a garden, quieter soun say more. There is the rising plea of t cicada, a summer pet in a tiny bamb cage, singing more loudly as the heat summer advances, as if knowing autur would bring its silence. Fish break t surface of the water. In the quiet it m be possible to hear a frog jumping, as one of the most quiet-sounding poer in all Japanese literature:

An old pond—
the sound of a diving frog.

What does this brief little poemean? Perhaps this: no one knows the frog is there and that he has jumped until the sound of the splash, but with the splash the frog has disappeared. The same way, when we listen to war flowing, we know that each drop is go as we hear it. Everything that moves has life keeps changing from moment moment. Only change itself is perment. As we listen to the small sounds a garden, to each splash and rustle, the attentiveness can refresh our daz senses and make us seem more alive.

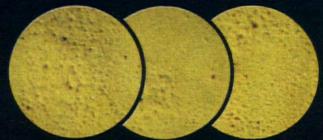
The human voices that decorate garden should also be restrained and a ful so that what is said can restore a quicken the listener. The sounds of garden should be quieting.



spred has a difference you can feel:



SPRED SATIN "micro texture" (magnified 20X) looks matte flat, but washes like plastic. Covers most anything in one coat, cleans up with water.



OTHER leading nationally-advertised wall paints (same enlargement) may appear flat, but have millions of tiny dirt-trapping, stain-soaking pits and pores. That's why you need SPRED SATIN. So easy, so beautiful, so different, it shouldn't be called "paint" any more.



Victor Borge says "spred the word." Look for him at your Glidden Paint dealer's.

THE LIGHT SWITCH continued from page 82

To change the Edward Coplons' bedroom from one full of glare to one full of calm, James Nuckolls focused the light in and around the bed. He outlined the bed with a soft glow of light to minimize its size and weight.

To balance and soften the glare of the two table lamps, a ceiling fixture was chosen that would cast a low level of illumination. The existing ceiling outlet was covered by a new fitting (Lightolier Monopoint). Table lamps here are controlled by a Paragon timer automatically set to turn the bedside lights on about five minutes after the alarm rings. A picture light is activated by a whistle.

The Coplons' living room, shown on page 82, had many more problems. As is usual, the central sofa and coffee table area of the room needed general illumination at a level high enough for reading and other activities yet soft enough to be becoming. Two surface-mounted light tracks (Lightolier's Lytespan), with five small spots each, now do the job. Five small spots, according to Mr. Nuckolls, are more functional because they spread light over a wider area, cause fewer heavy shadows and are far better looking than two or three large ones.

To dramatize the cabinet and bookcases. Mr. Nuckolls chose low-voltage lamps (Lightolier Lytebeam). They look much like the familiar high-intensity lamp, but provide an easily controlled and adjusted shaft of light for small display cases such as these. Cabinet lighting is controlled by a Sonuswitch that is activated by two loud double handclaps. A can-type floor-based up-light (by Moldcast) with a Nuckolls-designed, mirrored cone baffle to hide glare, molds the plant in the round and casts interesting shadows on the ceiling. Electric wires and extension cords, unavoidable in rooms with too few outlets, are neatly hidden by a plastic molding with selfadhesive back (Scotchflex Cable Duct). Fai ited to match the baseboard, it all but vanishes away. For convenience sake, all switching is now done by one cordless remote control Lafayette switch.

Most of the temporary lighting installation, designed for the Coplons by Bolt Beranek & Newman Inc., can move with them. The firm, with offices in New York City; Cambridge, Massachusetts; Chi-

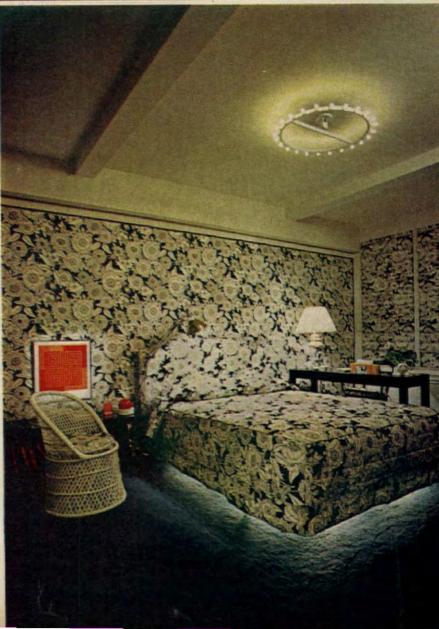
Bedroom lighting scheme eliminates harsh contrasts of before, outlines the bed and the paper cut-out picture by Edward Coplon. Ugly ceiling fixture was replaced with a snap-in Lightolier circle of lights.



cago; Los Angeles and San Francisco, works in this manner: You can have a design conference (either in person at the firm's offices or by mail). Then you get a specification book complete with where-to-buy and what-to-buy information for which the charges run anywhere from \$50 to \$100.

The fee for the much more complete job done on the Coplon apartment came close to \$200, but included several design conferences at the clients' residence.

Restrictions imposed on the project were typical of most apartment situations. No structural alterations were to be made. No heavy-duty equipment could be specified since apartment houses do not have the electrical power to support it. Electrical circuit work was to be kept at a minimum. The results prove that professional planning is always a wise investment.



This is new Soft & Dri, the non-sting anti-perspirant.



There's an anti-perspirant that doesn't hurt. That doesn't sting. Even if you use it right after shaving.

New Soft & Dri from Gillette. Soft & Dri doesn't have to sting to keep you fresh and dry—super dry.

So you can use it every day, even after shaving.

Instead of feeling hurt you'll just feel beautiful. Soft & Dri from Gillette.

It won't hurt to try it.

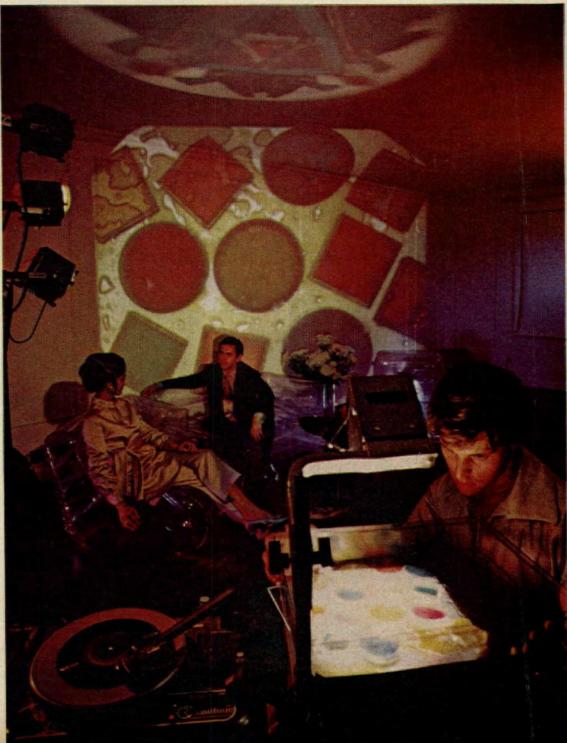
Mood is what all good parties, the ones you remember with the most pleasure, have in common. Mood, or call it ambience or atmosphere, is a concoction of intangibles, chief among them light—the circle of skinny tapers on your twelfth-birthday cake, tall flames reflected in a mahogany tabletop, the happy surprise of firelight in an unexpected place.

Since light is such a mood maker and mood makes a party, you may want to plan your next one around light. This is exactly what José and Susanna Moscoso of Washington, D. C. did for a housewarming before the furniture arrived—one of the most practical times to give a really big bash, the one you have been putting off for far too long.

A LIGHT-AND-SOUND PARTY

To decorate their bare, newly painted living room, the Moscosos simply bought crystal-clear blowup sofas and chairs, then hired Jeremy Sage to fill the empty rooms with light and synchronized sound. A professional party planner as well as a Columbia University graduate student, Sage creates fantastic orgies of sound and light, all unique. Below, he is projecting on the wall small colored plastic pill boxes that are glued to a Pyrex dish filled with oil and water. The projection on the ceiling originates under the clear coffee table. Sage has discovered the drama of projecting fizzing Alka Seltzer, magnified until it has the effect of a gigantic explosion. He uses alphabet noodles, baby oil, tropical fish, anything.

John Zimmerman



arty planners and light designers such s Jeremy Sage can be found in many arge cities. If you can't locate one, call a cal discotheque. Perhaps they have ght, will travel. Or ask some college udents who thrive on mixed media.

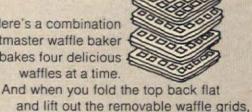
If you are really thinking big, conder renting a Mitralux projector, availble from Mitralux Projector Advertisng in most major cities. Fees begin at round \$50 per night; the more complex ne slide required, the higher the charge. he Mitralux projector, used for comnercial signs and projections at such appenings as political conventions, rojects images in black-and-white or olor, indoors or out, up to 10,000 square et in size. Imagine turning your garage to Versailles or the garden wall into a anorama of the Grand Canvon.

If you are thinking smaller, use vivid amples of your children's artwork on a nted visual-aids machine. Or try Van ogh and Klee. For as little as 60¢ you an buy transparencies of famous paintgs from art museums. Even your own avel slides, when blown up room size, an bring a party to life. Treat your uests to an exclusive view of Niagara alls, now that the real one is turned off ntil December for repairs and study. or sound effects, select something that inforces the mood of your image, or try ixing unlikely partners in exciting juxaposition-perhaps recordings of oldshioned music boxes to go with your aby Niagara Falls.

If you want to build your own show, here's an amazing company that sells l sorts of scientific and optical gadgets nd has recently added a lot of way-out scotheque paraphernalia to its line for ome use. Write to them, Edmund Scintific Company, 100 Edscorp Building, arrington, New Jersey 08007, for their ee catalog. The prices are low and you on't have to be a licensed electrician to ut together a display. Their 48-page ghting handbook (\$3) tells you all bout Music-Vision machines that form nages in time to music, black light fabcs that change color in ultraviolet ght, kaleidoscope projectors which give onstantly changing color patterns, robe lights which freeze motion when ney flash on and off, rotating lights, and ansparent paints to make your own virling slides. Better vet, if you happen be in the neighborhood, stop by their ctory store for a free light-show emonstration. You'll come away with ore ideas than can be put to use in one arty. In fact, experimenting with all e possible effects could develope into mania. Don't start unless you're preared to be engrossed.

The waffle baker that grills hamburgers.

Here's a combination Toastmaster waffle baker and grill. It bakes four delicious



it grills burgers and sandwicheseven fries eggs or toasts rolls. (It heats up to 485°.) The waffle grids and grill surfaces are Teflon®coated to keep everything unstuck and to make cleaning easier.

The Toastmaster waffle baker, And grill,

They go together beautifully.

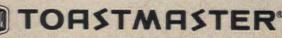




Bakes waffles in three patterns!

Here's fun eating. The Festive waffle baker. Bakes three different patterns at a time. The waffle grids are coated with non-stick Teflon®. Model W255.





TOASTMASTER DIVISION - McGRAW EDISON CO. - ELGIN, ILLINOIS 60120

FIVE-WAY PROJECTION FOR THE 70s continued from page 77

how the room unfolds

It is hardly surprising that a young designer's concept does more than pay lip service to youth—it is young. It is young because it emphasizes people and not possessions. Even the telephone is chastely hidden. "This is a place designed for people—it is like an arena where they can establish relationships with each other," says the designer.

"Conventional clothes, like conventional attitudes, should be left at the door here." Guests are asked to remove their shoes, and are issued snow-white Japanese tabi socks. Mr. Witwicki would like to accumulate a collection of color-related, at-home clothes so that guests would be more comfortable than they are in their street clothes, more attuned to the environment.

Quite possibly, the apartment designed by Romuald Witwicki on page 72 is not for you. A room that stark, stripped down to less than the basics, probably strikes you as very cold indeed. You're much more comfortable with a clutter of familiar things about you. And the idea of moving all the furnishings whenever you want to go to bed, eat a meal or entertain friends, seems madness.

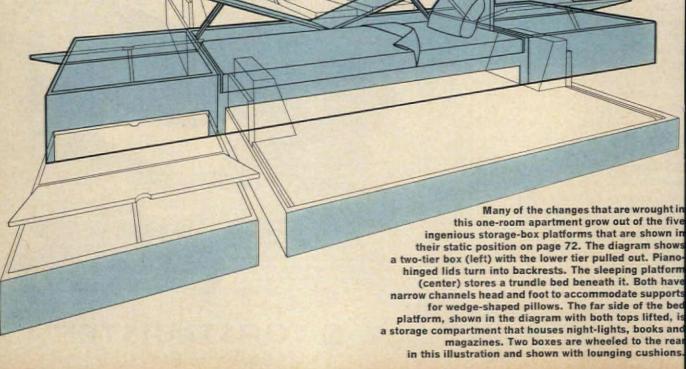
But don't let any of these considerations stop you from taking this young French-born architect's concept seriously. For once that badly overworked word *NEW* really does apply. "Today, the interiors of small apartments have a fixed use. Tomorrow, everything—even the walls—will move and have many uses," says Romuald Witwicki. "So far, interiors have always been static and the elements in them of limited use. In today's city only people and cars move. Soon even buildings and highways will move. We already know of houses that rotate to follow the sun. In the future, the furnishings of a room will move, the interior light will change, just as in my prototype apartment."

Paradoxically, all the most prophetic aspects of Witwicki's designs are the ones that are presently the most impractical and inconvenient. Since there are no static, planned areas for such activities as eating, sleeping, entertaining, the modular furnishings have to be moved manually each time the need arises for a change of function. Eventually all the changes and combinations of the various elements, including synchronized light and sound effects, will be controlled by a computer, says Mr. Witwicki. When this is done, it will be possible, claims the architect, to maintain almost constant movement. The great storage beam will glide forward, the red lamp tilt, shades roll down and the table turn into a love seat-all by computerized motors. Then all you do is dial situation No. 1 for dinner for two. END

Romuald Witwicki, the 25-year-old architect, leans on a quarter-round wedge of table that, when turned on its side, becomes an armchair.



Don Moss

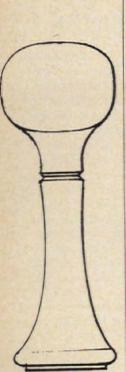




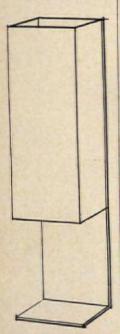


THE TURNED-ON LAMPSCAPE continued from page 79

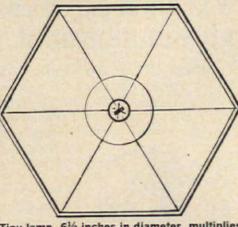
Below are detailed descriptions of the lamps shown along with suggested retail prices and the names of manufacturers.



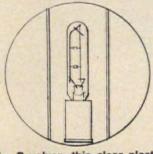
Floor lamp, 33 inches tall, has a milk-glass shade and base. The top and bottom section as well light up. Imported from Italy by Tyndale Inc. (\$160).



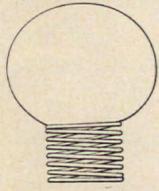
A black mat-finished L-shaped stand holds a white translucent column. The 12-inchtall lamp is lighted with a 40-watt tubular showcase bulb and sheds a soft glow. By Robert Sonneman Associates Inc. (\$24).



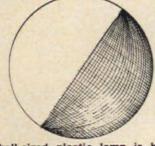
Tiny lamp, 6½ inches in diameter, multiplies its sparkle with mirrors. The bulb is a clear globe of only 15 watts, the case is black. Designed by Jack Pirloglu for Shop 2 (\$30).



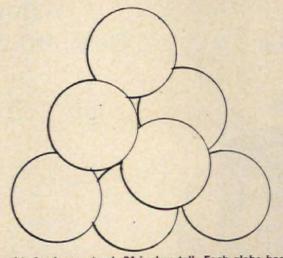
Called the Revolver, this clear plastic lamp rocks back and forth, more for effect than serious lighting. It uses a clear showcase bulb, is 8 inches in diameter, in amber or bronze. Designed by Ed Whiting for Raymor (\$27.50).



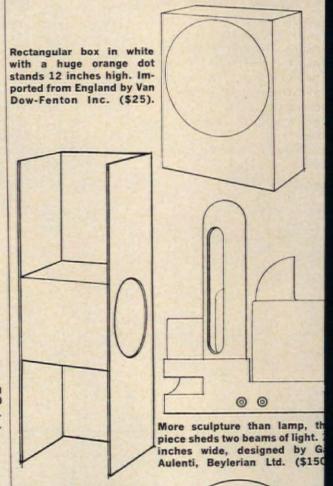
This milk-glass globe on a white coiled spring actually bounces if you wish. It stands 10 inches high and takes a bulb of 40 watts. Imported from Italy by Tyndale Inc. (\$52).



Basketball-sized plastic lamp is half solid color—red, black or white—and half textured clear which lets the light filter through. It takes a standard 60-watt light bulb. Designed by Neal Small for Neal Small Designs Inc. (\$90).



Pyramid of spheres stands 31 inches tall. Each globe has it own medium socket for regular 50-watt light bulbs, but they al go on at once (see cover). By Neal Small Designs Inc. (\$577)



The flying saucer lamp, 13 inches in diameter, comes in eigcolors with a bronze shade. The clear 15-watt bulbs ha candelabra bases. Designed by Jack Pirloglu for Shop 2 (\$9

Graphic circle and square gleam from within this black column. It also comes in red, is 13 inches tall. By

Robert Sonneman Inc. (\$35).

Electric heat is so clean I can use colors I never dared use before"

Maybe you're not ready to go quite as far as our white-on-white living room. No matter. The point is, with carefree electric heating and cooling you can decorate with light colors to your heart's content . . . confidently pick the new pastels you've yearned for. Because electric heat is flameless. So you can't buy cleaner heat for your furniture, walls, window sills and draperies. In any home, old or new. Mobile home and apartment, too. Take a step toward the carefree life. Call your electric heating contractor or your electric light and power company.

Live the carefree way with

Flameless Electric Heat

Live Better
Electrically
Edison Electric Institute
750 Third Ave., N.Y., N.Y. 10017

This Gold Medallion identifies a home where everything's electric, including the heat.

HERB ALPERT continued from page 87

On tape: "We released our first tapes last October. Now there are 90 numbers in our catalog. And in two years tape will be 70 percent of our business. Tape should be a major part of the music business. It doesn't wear out, it's easy to store, cheaper to make, and the quality is better. Since it is so new, the tape industry is not stabilized. There are, and will be for some time, many confused customers trying to distinguish and choose between the available systems.

"I don't know which will become most popular: reel-to-reel, cassettes, 4-track or 8-track. Personally, I do prefer reelto-reel. That's the system real stereo buffs like. We record our albums on tape. Usually on 16-track. There's more you can do with it. It's twice as thick and twice as wide. There are many techniques possible with tape, but what you do is really personal. It is something like painting. I can often recognize the style of a sound engineer who has worked on a tape, just as I can recognize the work of a particular painter. An engineer's signature is there, in the way he relates the bass to the guitars, to the brass, for

example. When I'm at the console I'm not just a trumpet player. I can play the entire orchestra. How can amateurs learn to do tricks with tape? It is like the route to Carnegie Hall-practice, man, practice."

On imitators: "I don't listen to them. It doesn't bother me that they are able to imitate the sound of the Tijuana Brass, only that they want to. I can't understand why anyone creative would want to repeat what has already been done. We have about 35 different law suits filed against people who pirate tapes. They set up headquarters in garages, copy the tapes, and sell them at half price. And the people get taken. The only thing consumers can do is buy tapes from qualified dealers. Then if a tape is damaged or of inferior quality you have someone to complain to."

On the trumpet: "My early training was all classical. I played in junior symphonies. After I was initiated into jazz in 1953 or 1954, I tried to play like the recording artists I enjoyed, but I found out it was the wrong direction for me. I had studied trumpet with a teacher who

was famous for extending the range of the instrument. Pushing the range of the trumpet up is like trying to get t the top of the mountain. But you neve really get there because someone is a ways topping your top note. Then on night while I was playing in a band, shook four top teeth and four bottor teeth loose. When I listened to what sounded like on tape, I didn't like it. M loose teeth and my numb lip forced m to reevaluate my playing. I realized i wasn't necessary to abuse the trumpet So I returned it to its natural range and now the trumpet is like an extension of my body, a voice I use."

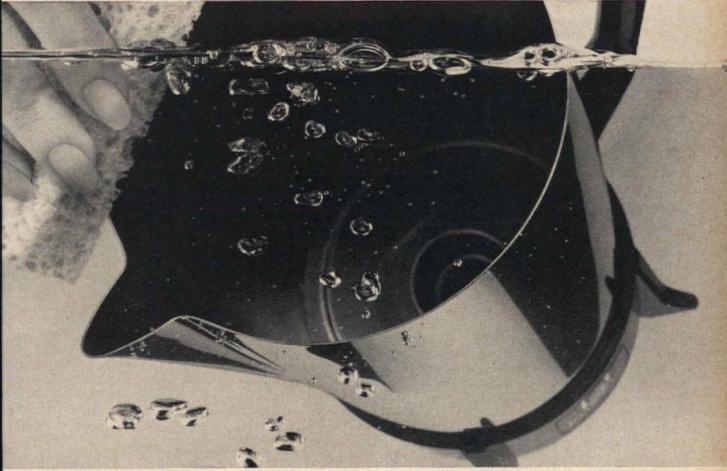
On perfection: "I've been called musical perfectionist but I don't thin music and perfection go together. Music is emotional and human, and huma beings are not perfect."

On a world without music: "It woul be damn dull, and I would be minu three cars and my home in Malibu."

On fans: "I have very little contact with fans. I get nervous thinking about the adulation that recording stars get I don't believe in idols."



Presto's dunkable coffeemaker.



Completely submersible stainless teel, extra wide spout for easier

leaning, better coffee. Because a clean pot s so important to good coffee, we made our tainless steel coffeemaker completely washble. You can dunk it right into your sink. Or even your dishwasher! The extra wide spout is easy to clean. Can't trap stale coffee oils or old grounds (two things that ruin a pot of coffee!) That's why you get delicious coffee, cup after cup with the Presto Automatic Coffeemaker. Available in 9-cup or 12-cup sizes. You'll like it better every time you wash it!

There's more cooking at Presto than pressure cookers. Fry Pans, Griddles, Blender, Can Opener/Knife Sharpener, Toaster-Broilers. Hot er, Can Opener/Knife Sharpener, Toaster-Broilers, Hot Servers, Corn Popper, Deep Fryers, Toasters, Mixer, Spray-Steam Irons, Steam-Dry Irons, Cordless Tooth-brushes, Hair Dryers, Portable Manicure Set, Portable Heaters, Humidifiers. National Presto Industries, Inc., Eau Claire, Wis. 54701.



TAPE AND HOW TO BUY IT

Circle 1969 as the year tape really arrived on the home entertainment scene. Industry sources predict that even color TV will take second place to tape systems in total units sold. The switch to tape has been 20 years in coming and you can credit the switch to innovation.

For years tape recorders remained the pet electronic gadget of the well-heeled audiophile who was willing to pay \$500 plus for what he considered real high fidelity. These first tape recorders used tape on two open reels, hence the industry tag "reel-to-reel." Reel-to-reel recorders still represent 42 percent of current sales.

The tape boom got underway once the industry realized that the potential tape consumer is convenience-oriented and not technically inclined. The result is the tape cartridge and the cassette: Pop in, turn on and enjoy—no more threading or tape handling. With cartridges and cassettes tapes become easier to operate than a phonograph. The tape systems race between reel-to-reel, cartridge and cassette is not unlike the battle waged between 78, 45 and 33½ rpm records some years ago.

The cartridge refers to 4-track, 8track or PlayTape (a new, inexpensive 2track cartridge aimed at the young market) systems. Tape is sealed inside a plastic case on the cartridge. When the cartridge is popped into the player, the tape inside unwinds around one reel from the center, plays, then winds back to the center from the reel's outer edge. The tape has no real beginning or end. Cartridges are not so versatile as either reel-to-reel tapes or cassettes. You cannot go back to a specific piece of information or a favorite song on a cartridge. You can only shift from one set of stereo program tracks to another.

Cartridge tape systems had their birth as an automobile accessory when efforts to build a record player that would work in a moving automobile failed. Of some 15 or 20 early systems designed for this market, two have survived—4-track and 8-track. The 4-track cartridges have two pairs of stereo channels on a single length of tape, and the 8-track have four pairs. This means that an 8-track offers Ed Isaacs

These five basic tape systems are, left to right: 7-inch open reel, 4-track and 8-track cartridges (cases open), Play-Tape and cassette (case open).

nearly twice as much playing time as 4-track. Recording companies favor the 8-track system for prerecorded music because it approximates the maximum playing time of long-playing records—80 minutes. As a result, more prerecorded material is available for the 8-track system.

Both 4- and 8-track systems have developed home playback units (not recorders) ranging from simple playback units to larger entertainment centers with AM/FM stereo radios and record changers. Prices range from as little as \$60 for a player to just under \$300 for a complete center. A few manufacturers have offered combination 4- and 8-track players which will accept either cartridge with minor adjustment.

The "now" generation, more in tune with tape than their parents ever were, accounts for recent styling trends and innovation of a fourth cartridge system: PlayTape. Considered the 45 rpm of tapes, this is a playback system only with a special catalog of pop-tune cartridges at budget prices. About 98 percent of PlayTape players are portables. Priced from \$15 to under \$70 (for larger home systems), PlayTape cartridges run about 24 minutes maximum in both stereo and monaural.

While most of the available 4- and 8track units are players only, a few expensive recorders have been developed for home or auto use.

If 4- and 8-track systems seem to be decreasing in sales, cassettes are the reason. Cassettes refer again to tape in a plastic box, but their resemblance to cartridges ends here. Cassettes, as wide and about half as thick as a pack of 100mm cigarettes, have two reels within a plastic housing. The principle is the same as the reel-to-reel operation, except that hands never touch the tape in the enclosed case. You drop in the cassette and listen.

Cassettes were first used as highquality monaural voice recorders. Soon they were improved to record and play stereo on more sophisticated home equipment. Now manufacturers are beginning to make cassette units for automobiles and at least one movie camera equipment manufacturer offers a cassette recorder with a super-8 camera for true sound home movies.

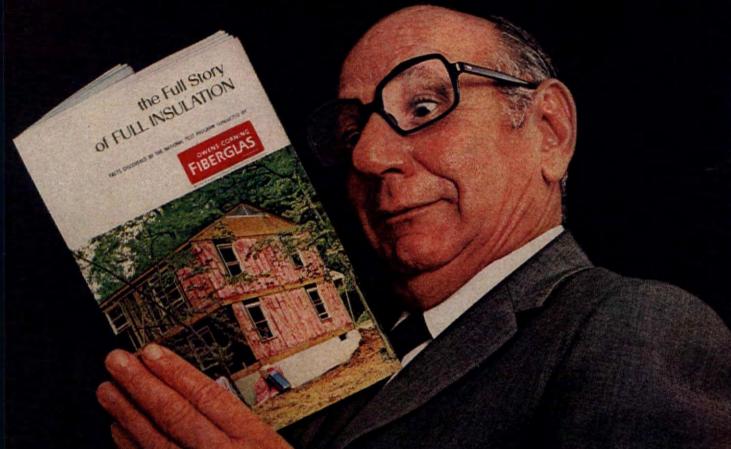
An accepted industry standard, the cassette is becoming a consumer favorite. Many experts consider the cassette system to be a technical improvement over cartridge systems. Any cassette will fit into any cassette recorder. Stereo cassettes can be played on portable, monaural recorders and the reverse. Cassettes can be searched (run forward or backward at higher than playing speed) and possess a visual indexing system, that is an aid to the user. For 1970, consumers have a choice of battery-operated portables (players or player/recorders), models with AM/FM stereo radios, "wing" speaker systems of high quality, even record changers. A few models offer a stacking device which enables you to stack cassettes as you do records and then automatically reverses the tape and plays the second "side."

One disadvantage of a tape system is the high cost of tape itself. Manufacturers of prerecorded tapes say tapes are more expensive than records because they are more costly to produce. But manufacturers look at price in terms of supply and demand and they hint at possible future drops in tape costs as tape sales increase. Open reels cost upwards of \$6.95 and even as much as \$14.95 (suggested list) for two-reel albums. Cartridges, 4-track and 8-track, cost less, \$5.95 and \$6.95 respectively; cassettes list for \$5.95.

Blank tape prices are much lower, naturally, then prerecorded tapes. Suggested list prices for cassettes run from under \$2 for 30 minutes to over \$5 for 120 minutes. A 7-inch reel averages \$3 to \$5, less in shorter lengths or smaller reel sizes, more for longer lengths and low-noise premium tapes. Expect to pay about \$4 for blank 4- and 8-track cartridges, when available.

However, prerecorded tapes and even recorders almost always can be obtained for below list price, primarily through discounters. One industry source admits that their own line of 8-track cartridges, for example, may be discounted from \$6.95 to as low as \$3.99, a (continued)

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HOW TO BUY TAPE continued

price within a few cents of an equivalent phonograph record.

Tape has the edge over phonograph records because it will not wear out as quickly. Experts say that tape will outlive its user. Reels, tape cartridges or cassettes can pack more information in a given space than records and are difficult to scratch—sudden death for a good record. Tape, either prerecorded or blank, survives well with a minimum of care if it is stored in its original box or album pack when not in use. It should be kept away from extremes of temperature or humidity and away from strong magnetic fields, or amplifiers of

a hi-fi set, which can erase the tapes.

Too much emphasis, it seems, is devoted to a tape system's ability to play prerecorded music. On this basis alone, there seems little to justify the cost of a tape system over records. Most tape units, however, also function as recorders, providing additional benefits beyond pure musical entertainment.

Armed with a supply of "blank" or "raw" tape (tape which has no recorded signal), you can record live sounds and music, or from TV, FM radio, records or other tapes. The advantage of tape over records here is the flexibility to record sound over

sound, or to mix artists and selection

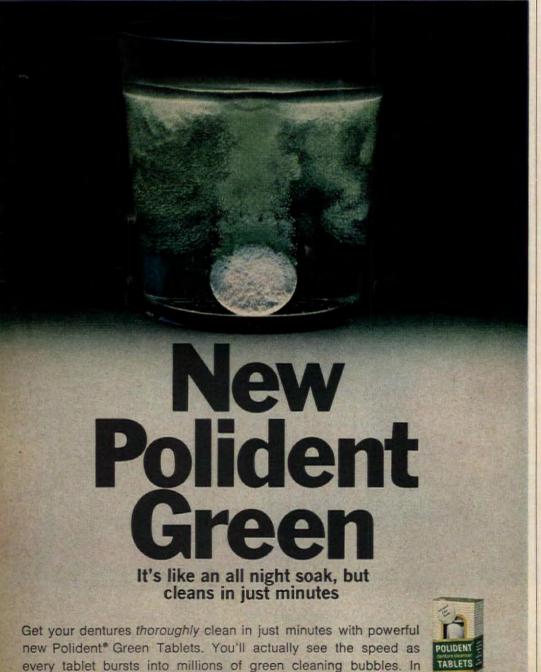
Home tape recording offers an triguing alternative to letter writ Millions of "living letters" are sthrough the mail each year. And to move the boredom usually associa with home movies and slide shows, the-spot recorded sounds or comment can be played as the show progresses

"Which system shall I buy?" is question anybody considering t today asks first. The answer may no "which recorder" but "which corders." The two-recorder family is uncommon anymore.

Start with an evaluation of present home entertainment setup. home entertainment market for tape tems is a buyer's market. It is o loaded with a wide range of portal decks, complete systems or selftained units. There is a choice of styl performance and flexibility in most p ranges. Optional accessories, either b in or added later include AM/FM st radios and record changers. Many called "self-contained" tape recor feature recorders and players and c with speakers in one semiportable of Performance of these smaller units be excellent. A number of portable corders are available in reel-to-reel, sette or cartridge. Price ranges from little as \$20 upwards and include choice of units with special automa features or in recorder-radio packa Many portables weigh as little as t pounds with batteries and can reup to two hours without a tape char

If you already own a stereo set, may be added as a "deck." The tape is nothing more than a playback un recorder/player without amplifiers speakers. These are already presen the basic system. The deck provides a signal input, all that is required. A deck can be reel-to-reel, cassette or cartridge. Interestingly, a few of medium-priced portable recorders vide excellent sound when used as d with larger stereo systems. Generative speaking, however, a tape syste ability to faithfully reproduce sour largely dependent on a precision trical motor which drives the tape predetermined speed-measure inches per second (ips). Inexper motors in both tape recorders record changers can plague the list with annoying jerky movement (flu or changes in pitch (wow).

The most faithful sound reproduct available on tape is 7½ ips. This m that the tape passes the (contin



only minutes the green is gone. That means stain and odor are gone. Now the best way to clean dentures is the fast way too.



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HOW TO BUY TAPE continued

playback head at the rate of $7\frac{1}{2}$ inches per second. Only the reel-to-reel systems play at this speed and therefore give the best sound fidelity. Cartridges play at $3\frac{3}{4}$ ips and cassettes at $1\frac{7}{8}$ ips. However, with new tape developments, the sound quality of tapes playing at lower speeds has been greatly improved. One reason cartridges and cassettes are cheaper than reel-to-reel tapes is that they use less tape because they play at slower speeds.

If you have no stereo equipment you may choose complete sound systems—a tape deck, amplifier, speakers and FM radio. There are combination cassette and reel-to-reel units in this category. The many portable machines are the other group to choose from.

Of the various tape systems, reel-toreel units still afford the ultimate in sound fidelity and are the only tape systems which allow the user access to the tape itself for editing. For reel-toreel systems, prerecorded tapes are only available in 7-inch size. Recorders which accommodate only 3- or 5- inch reels (mainly portables) cannot play prerecorded tapes. Tape threading has been a major disadvantage for the reelto-reel system, but a number of higherpriced recorders are beginning to offer automatic tape threading. One manufacturer markets a self-threading takeup reel, which threads the tape for you.

are now available for cassette sy tems than for 4- and 8-track, which a primarily playback units. Blank ta cassettes are available in 30-, 60-, 9 and 120-minute lengths—flexible enoug to cover most recording situations.

Some potential tape users have source on tape because of their experience wi an off-brand or "bargain" machin Many of these units are sold with buil in repair bills. Consumers are protected from deficient equipment if they bu recognized brands, purchased fro knowledgeable dealers who will honor manufacturer's warranty. Buy from dealer who can demonstrate several ta systems and models. The final choi should be based on how closely a syste meets your immediate needs and, mo important, how it sounds to you. Spe an afternoon actually listening to diffe ent systems. Only an expert can eval ate a tape system from published spefications. Don't be guided by price alor

The same cautions apply to the puchase of blank recording tape. Againstay with recognized national brance. Even the best tape system can perfor poorly, with off-brand recording tape. Reels offer the widest, and perhaps to most confusing choice. Here again good dealer can guide you to the right purpose. The choican be narrowed by considering what is you wish to record and its length Music demands one of the new lownoise tapes, while voice or other recording can be accomplished with one of the less expensive general-purpose tape. Time charts on tape boxes can serve a guide to the right length tape. EN

The cartridge or cassette systems offer reasonable fidelity at generally lower	Music demands one of the new lo
prices than reel-to-reel. The added con-	
	ing can be accomplished with one of t
venience of drop-in loading is a major	less expensive general-purpose tape
advantage to swing consumers to tape in	Time charts on tape boxes can serve
the first place. More recorder/players	a guide to the right length tape. EN
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DEAR AMERICAN HOME



Guy Bill

SHRINK BIG!

Loved your September issue! You weren't kidding about doing a remodeling job. It's a whole new magazine. Best wishes.

Mrs. L. Madison Erie, Pennsylvania

I like your new size. It is handier than the big, flop-over pages and fits nicely into my carryall when I take the baby to the park. And incidentally, there is so much more to read—the Shaker history for instance. I feel I really got my money's worth this month.

> Liza Bowers New York, New York

KUDOS FOR JEANNE

It was delightful to find Jeanne O'Neill in your magazine again. I have missed her columns lo these many months. "Where Have All the Cornflakes Gone?" was up to her usual, witty standard.

> Mrs. D. Bellew Cambridge, Massachusetts

LUNAR-AGE LIVING

A few months ago that Futuro house would have been too much for me. But with Armstrong and Aldrin back from the moon and Mars looming on the horizon—I want one! Where can I get more information about it?

George W. Neddy Silver Spring, Maryland

Hooray for you and Futuro! What fun to see this space capsule house in your September issue. And thank you for pointing out to us that streamlined vacation living is the only way to do it.

> Charles and Betty Sandler Spokane, Washington

Ugh! Your space capsule house should indeed be on the moon and not on this planet where mere earthlings who still appreciate beauty have to look at it.

> Mrs. Jordan Houseman Spring Lake, New Jersey

My two teen-agers who never are interested in home magazines were absolutely wild about your lunar house in your September issue. They have convinced us that this type of living really will be just the thing to put on our lake-front lot, rather than the conventional prefabs we were considering.

> Mrs. Mark Goodell Atlanta, Georgia

For more information about this house write to Futuro Corp., 1900 Rittenhouse Square, Philadelphia, Pa. 19103.

THE TREE

As a native Californian I must thank you for Nancy Gray's lovely tribute to the fallen Sequoia. I have visited it so often, it seemed almost like a friend. Your interest in conservation is heartening, indeed.

> M. E. Bronson Monterey, California

PLAIN AND GOOD

Your article on Shaker Food was one of the best I've seen in a long time. Since I am a plain, good cook (that's what my family tells me), can you give me the name of a good Shaker cookbook so that I might try some more of the recipes?

Mrs. Tom Childress Warren, Minnesota

Two excellent Shaker cookbooks are: Shaker Recipes for Cooks and Homemakers by William Lawrence Lassiter, Greenwich Book Publishers, and The Shaker Cookbook—Not by Bread Alone by Caroline B. Piercy,

Crown Publishers, Inc. These books may be ordered through your local bookstore.

BANANA KNOW-HOW

In view of the great variety of jams and jellies, why is it that nobody makes or suggests any way of making banana jams, jellies or preserves? Is there something about this fruit that doesn't permit making jam from it?

Mrs. Perges
Pacific Grove, California

Bananas are not frequently used for jams, jellies and preserves because the pectin content is not very high and more must be added to acquire a gel. Usually bananas are mixed with other fruit for best results.

DEFINED PRODUCT

Most packages, cans and bottles of food state the ingredients therein Ice cream, mayonnaise and some others do not. Why not?

Mrs. Hugh Huf. Arcadia, California

Not all foods require a statement of in gredients on the product label. The Food and Drug Administration has published a "standard of identity" for certain foods listing all mandatory and optional ingredients for such products. Any defined product such as ice cream, mayon naise, etc. does not require a listing of ingredients. A standard-of-identity list may be obtained from the Food and Drug Administration, Washington, D.C.

COMPANY DESSERT

Can you suggest either a wine or a liquor to be served with strawberries as a company dessert?

> Patricia Fitzpatrick Scarsdale, New York

Champagne, claret, Grand Marnier of Cointreau are delicious served over strawberries.

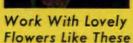
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are the most complete and the
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done 8 weddings and receptions.
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Mrs. Mary Hubbard Lincoln Florist & Garden Center, North Carolina



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10 WAYS TO MAKE MONEY AT HOME WITH FLOWERS

The wonderful world of flowers offers dozens of money-making opportunities, no matter where you live. High-profit design orders from neighbors, clubs, churches, hotels, etc. Grow flowers (or plants) wholesale for Florists. Be a Bridal Consultant. Learn how to join florists telegraph network, get flower orders by wire from all over the country. Many other methods. We provide instructions on 10 different ways to make good money at home, spare or full time, with live or artificial flowers. live or artificial flowers

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O. L. Mississippi O. L. Mississippi



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Kan talk

DEAR AMERICAN HOME continued

FRESH GARLIC

I would like to know the proper method of keeping garlic buds fresh. If I leave them in the closet in a box, they seem to go bad after awhile. If I store them in a jar with a tight lid, they get a funny color and are no longer good.

> Mrs. C. G. Cromwell Hazelwood, Missouri

Garlic should be kept in a cool, dry, dark place away from potatoes and onions. Use a paper or cellophane bag for storage. Remember, garlic doesn't last forever. The longest you can expect to keep it fresh would be three to four weeks.

SUMMER FANS

Your summer issue was filled with such interesting articles. The one on the Nantucket School of Needlery was exactly what I have been looking for . . . for the longest time. I am now about to embark on a creative adventure that I have planned for a long time to undertake. Thank you. Anastasia Eliakopoulos Chicago, Illinois

I am enchanted with recent American Home summer decorating ideas. Please, more of same.

Catherine Greene Orchard Park, California

NEVER TOO YOUNG

I am ten years old and I love your magazine! I love your decorating ideas, and I always look at your magazine when there's no one to play with.

Kristen True Wheaton, Illinois

VANILLA BEANERY

I use vanilla beans chopped fine in quality bourbon for vanilla flavoring in lieu of the commercial vanilla extract. When the liquid is nearly gone, I add more beans and bourbon. Is there a possibility that this might cause a chemical reaction setting up harmful bacteria?

Mrs. John H. Annett Sebring, Florida

Extract of vanilla is best prepared by putting 2 split beans into 8 ounces of brandy (or bourbon, if you prefer). The alcohol absorbs most of the flavor within a few days. It is impossible for bacteria to live in an alcohol medium so you have nothing to fear in your homemade extract.

GOOD ADVICE

In your May issue you stated your opinion on Spanish furniture. It is such good advice it should be posted in every furniture store in the country. Congratulations on not being afraid to take a stand against something so popular.

Mrs. L. S. Chipman Franklin, Michigan

A COOL CITY

In your summer, 1969, issue you have an article "How to Keep your City-Cool." I would like to point out that San Franciscans do not flee the city in hot summertime weather; there is none. Those who tire of the summer cool may travel a few miles north or south or east to find the warmth they wish.

Mrs. John P. Schagen San Francisco, California



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OLD FASHIONED?

I don't see what you have against plastic flowers. Some of them look very much like real flowers. Also, dried flowers are hard to dust, and as you say, are apt to spoil in damp weather. I thought homemaking was supposed to be made easier. Aren't you just being old-fashioned?

Mrs. J. Metz Kansas City, Kansas

PICK, DRY AND KEEP

When will Tenaflower be made available? I've checked all the local florists and they have never heard of the process.

> Mrs. J. Lyons Teaneck, New Jersey

Tenaflower is an exciting new process for drying freshly picked flowers to retain their natural color and form. Tenaflower bouquets may be made of blooms ordinarily too delicate or fragile to dry. The range is wide and includes bachelor buttons, daffodils, daisies, larkspur, roses, water lilies and zinnias. To date, only snapdragons have rejected the process.

The Tenaflower process was developed by Henry TenHagen, a botanist from upstate New York. Wholesale and retail supplies are beginning to come on the market, first in the New York area and later nation-wide. For more information. write to Tenaflower Company, South Main Street, Warsaw, New York 14569.

END

Letters to the editors should be addressed to Dear American Home, 641 Lexington Avenue, New York, New York 10022.

SHOPPING INFORMATION

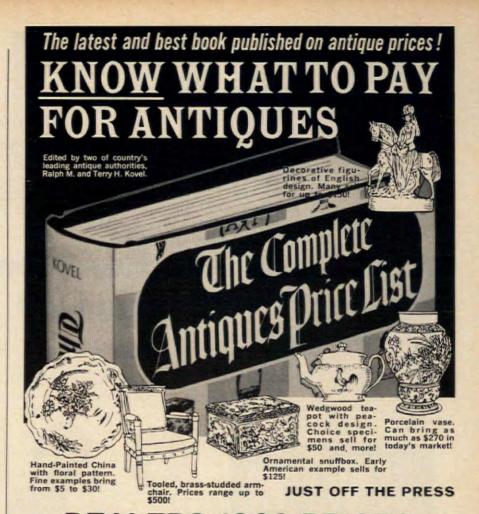
Merchandise listed here is available in leading department and specialty stores. If you cannot find it, write to American Home, Reader Service, 641 Lexington Ave., New York, N.Y. 10022, for additional information. Retail stores are listed with their cities. Items not listed may be privately owned or custom made.

SUPER SOUND GEAR

Page 88: Cubes, The Doorstore, N.Y.C., Lucidity, N.Y.C., Alan Sigelman.

LIGHT-AND-SOUND PARTY

PAGE 120: Inflated plastic furniture imported from France by Otto Gerdau, Available at Gimbels and B. Altman and Co., N.Y.C. Cubes by Avant-Garde. Vase, The Store, Georgetown.



DEALERS 1969 PRICES OF 28,000 ANTIQUES

TITH THIS big new 436-page antique guide, you'll have no more worries about what to pay for antiques. The newest, most authoritative antique dealer's price handbook in the country! It lists the value of more than 28,000 (think of it!) American antiques in a tremenodus range of items. More than 267 different categories in all! Not only is it fascinating, but it will save you money. Puts you, the public, on even footing with museums, professionals, dealers and expert collectors!

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Dedham pottery, Furniture, Gaudy Dutch and Gaudy Welsh china, Haviland china, Ironstone ware, Jasperware, Lamps, Limoges china, Lithophanes, Majolica, Mechanical banks, Music boxes, Occupational Shaving mugs, Paperweight, Pewterware, Post Cards, Powder flasks, Rockwood pottery, Royal Doulton china, Satin glass.

Snuff bottles, Spatterware, Staffordshire china and figurines, Steins, Tiffany glass, Toby jugs, Toleware, Toys, Trivets, Venetian glass, Waterford glass, Woodenware and more than 200 other groups of items.

All items appear in a single alphabetical ar-ngement so that they may be found in a rangement so minimum time.

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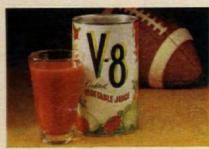
Score Two for Del Monte. For a good opening play, give your fans stewed Del Monte Prunes for breakfast. And at game-time, let them snack on energy-building Del Monte Raisins.

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How Do You Handle a Hungry Half-back? The Manhandlers. Campbell's Vegetable Beef Soup is one they serve the NFL. It's a real meat and potatoes soup. M'm! M'm! Good!



It's Chicken of the Sea Season! Invite the gang for a post-game treat. Let convenient, versatile Chicken of the Sea tuna and frozen shrimp make it something special.

LYNN HEADLEY-Editor

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Coins-of-the-Bible plaque embraces 7 authentic metal replicas from Widow's Mite to Roman commemoratives. Antiqued to look like their silver, bronze or copper originals. 9½ in. wood plaque with data and Biblical references. \$2.98. Vernon, Dept. A-01, 560 So. 3rd Ave., Mt. Vernon, N. Y. 10550.



Proud protector

Flatter a fireplace or any place with this elegant Bondville eagle, a regal replica of a hand-carved Vermont chest-nut wooden original. Weatherproof composition in antiqued chestnut finish, it's durable for outside. 25x19 in. \$24.95 ppd. Jenifer House, Dept. AH-109, Great Barrington, Mass. 01230.



Excalibur

The name doesn't have to be Arthur to draw the 8 in. stainless steel letter opener with gold-plated handle from the cut-crystal paperweight. 4x3x3 in. Inspired by the timeless legend and an inspiring gift for the noblest heart. \$10.45. Peers, Dept.AH1069, 242 Meachem Ave., Elmont, N.Y. 11003.



"Bridgeveryone"

Learn to play bridge or improve your game with a simple, new programmed teaching aid Charles Goren calls "the greatest bridge-teaching breakthrough." N.Y. Times, "Ingenious." 2,000 situations, "deals," etc. \$29.95. Robert Hallowell, Dept. AH-10, 717 Fifth Ave., New York, N. Y. 10022.



Heaven ahead

Drink "Up" with an Irish toast mug that in-sures: "May you be in Heaven a half hour before the Devil knows you're dead." Earthenware in red, green, brown and yellow on eggshell background. 5 in. \$2.33. Alexander Sales, Dept. AH-1069, 26 So. 6th Ave., Mt. Vernon, N. Y. 10551.



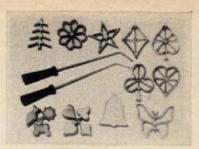
The eyes have it

Well, owl be! Look who's both a snappy switchplate and a guiding light at the same time. His wide eyes all aglow, Mr. Owl saves you from stumbling in the dark. In glazed ceramic, "feathered" in warm colors. $3\frac{1}{2}\times5\frac{1}{4}$ in. \$1 plus 25¢ postage. World Co., Dept. 10AH, 1 Park Ave., New York, N. Y. 10016.



Wee folk furniture

Fun functional table and chair set in red, white and blue strong corrugated guarantees sturdy fun time. Use also as 2 chairs, chair and desk, doll crib/toy chest, shelves/doll house, or game tables. Easy to assemble, store. \$6.95. Amtech Creations, Dept. AH-10, 3511 Lawson Blvd., Oceanside, N. Y. 11572.



Crispy delicacies

Festive cookies are fun to make. Fit handles to patterned irons and dip from batter to fryer. Crispy good, sprinkle with powdered sugar. With recipes, instructions. Cookie Mold Set, \$5.75. Housewares catalogue, 25¢. Suburbia Mail Shopping Service, Dept. 10AE, 366 Wacouta, St. Paul, Minn. 55101.



Rembrandt

The master of colors painted the "Man in the Golden Helmet" in strong and beautiful browns, gold and red. Faithfully reproduced in this lithograph on artists' canvas. 20x27 in. \$5.95 plus 45¢ postage. Send order to Lambert Studios, Dept. 211, 15 West 24th St., New York, N.Y. 10010.



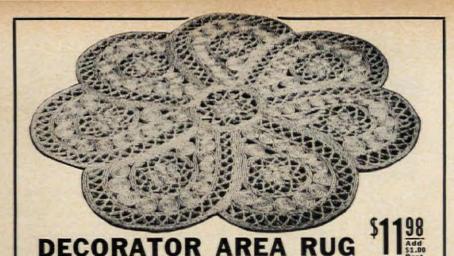
Christmas circles

The Story of Bethlehem is "told" in five circle silhouettes hand cut from jeweler's brass. Each, 2¼ in. across, has cord to suspend from tree, wreath or window. Created by West Germany artists, these merry mobiles are beautiful. Set of 5, \$6.50 ppd. Downs & Co., Dept. 3610, Evanston, III. 60204.



Booked up on birds

One big volume bird guide is identifying—full of color illustrations of 2,000 birds, 699 species Eastern and Western, land and water birds all included. Also range maps, migration patterns and more. 340 pages. \$4.30 ppd. Clymer's of Bucks County, Dept. AH-10, Point Pleasant, Pa. 18950.

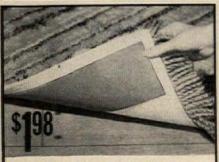


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HARRIET CARTER

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NEWELL WORKSHOP

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PRETTY TOSS-ON BOLERO

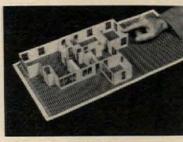
A lovely cardigan of washable orlon acrylic with a hand-crocheted look. Light in weight, yet comfortably warm on chilly evenings. Has pretty shell stitch; scalloped ribbed trim; easy shoulder; % sleeve. Choose white, black, pink orlt. blue. Sizes S(8-10); M(12-14); L(16-18). \$3.98 plus 50¢ postage.

FERRY HOUSE, Dept. AH-109, Dobbs Ferry, N.Y. 10522



Pretty handy

What a fancy way to treat friendswith Foam Guest Soap, of all nice things. Pretty, bedecked daisy spray can dis-penses fragrant foam. A lasting and touching addition to your powder room that's so neat. 6 oz. \$1.29 ppd. Lillian Vernon, Dept.A01, 560 So. 3rd Ave., Mt. Vernon, N.Y. 10550.



Look into the future

If you are planning to build or remodel this Home-A-Minute Kit shows how your home will look and may save you dollars. Dozens of windows, doors, etc. at ¼ in. scale. "Build," dismantle and originate any plan. With cost book \$4.40. J. W. Holst, Dept. AH-10, 1005 E. Bay St., East Tawas, Mich. 48730



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Perma Tweez easily removes any un wanted hair permanently from face arms, legs and body in one step. Auto matic "tweezer-like" action destroys hair root without puncturing skin \$14.95 ppd. General Medical Com pany, Dept. AH-10, 5701 West Adams Blvd., Los Angeles, Ca. 90016.



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What were the current events on the blessed event of your birth? Get a fron page copy of the New York Herald Tribune as it was published on you day. Any date from Jan. 1, 1900 through Dec. 31, 1964. (Specify). Nice gift. \$1 Holiday Gifts, Dept. 610-B, 7047 Peco. St., Denver, Colo. 80221.



Please, knock it

Pretty and personal door knocker welcomes guests and adds friendly warmth to your door. Brass plate on metal, it's lacquer-bright. 6½ in. knocker engraved with initials and last name, \$1.98. 3¾ in. with first name or number, \$1. Walter Drake, AL-57 Drake Bldg., Colorado Springs, Colo. 80901.



Play house in a big way

Big enough for a "family" of four, this colorful walk-in playhouse is wonderful for youngsters. Over 5 ft. tall, it's 63x48x45 in. with windows on 3 sides. Made of reinforced fiberboard, it's easy to assemble. \$15.95. Order from Peers, Dept. AH1069, 242 Meachem Ave., Elmont, N.Y. 11003.



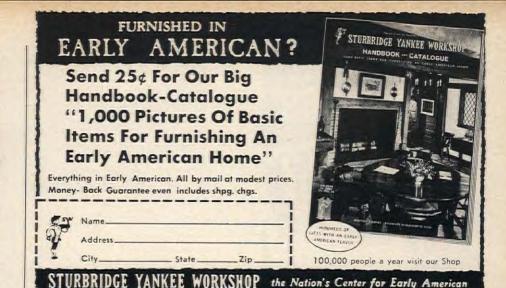
The spit'n image

A fine replica of its old-time "daddy," the spittoon arrives on today's scene as a pretty planter or unusual vase. A solid brass beauty that's long-lasting lacquered. Nice for a man's desk, too. 6 in. size, \$7.95; 8 in. size, \$12.95. Holiday Gifts, Dept. 610B, 7047 Pecos St., Denver, Colo. 80221.



Eggs-acting pan

Turn them out fluffy and tasty with this non-stick omelet pan to assure succulent success. Cook one side, then flip whole hinged pan over to cook the other side. Polyflon-coated aluminum \$2.98 ppd. Order from The Country Gourmet, Dept. AO, 545 So. 4th Ave., Mt. Vernon, N.Y. 10550.



4109 Brimfield Turnpike, Sturbridge, Mass. 01566



Critains with all the original New England simplicity, warmth, and handmade look for every room in the house. Practical, long-wearing, these off-white muslin curtains will retain their crisp appearance with a minimum of care.

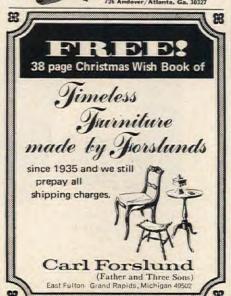
Satisfaction guaranteed. Send check or money order, no COD's please. Write for illustrated brochure showing other curtains, dust ruffles and pillow shams in bleached and unbleached muslin as well as floral prints, calico ruffles, organdy, Ornaburg, and perma-press.

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In place with "lace"

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Revolving bookstand keeps books neatly organized and easy to pick out the one you want. On smooth ball-bearing casters, it's 12x12 in. Cleverly designed with 4 storage compartments in antique oiled walnut finish. \$10.95 ppd. Peers, Dept.AH1069, 242 Meachem Ave., Elmont, N.Y. 11003.



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Twin-Rest seat cushion gives relief to sensitive areas. Designed to hide its comfort purpose, each half inflates separately for proper support. Use anywhere; deflate for travel. Leatherlike vinyl. 16x17 in. \$4.97. Green percale zipper cover, \$1.59. Better Sleep, AH-10, New Providence, N.J. 07974.



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Cooking Book is fat with 600 recipes for tasty but low calorie dishes. Includes weight guide, do's and don'ts, the ABC's of reducing and nutrition and more. Enjoy sensible snacks and sauces, etc. 95¢ plus 30¢ postage. Amtech Creations, Dept. AH-10, 3511 Lawson Blvd., Oceanside, N.Y. 11572.



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Cork mat Christmas card makes an unusual and useful holiday greeting to couple as a decoration or table mat. 6 in. with red and green tree design, plus any one or two names, or family name. Comes with mailing envelope. 50¢ each. \$5 per dozen. Stratton Snow, Dept. A9, Delray Beach, Fla. 33444.



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Light the way to profits for your organization or group and sell Poinsettia Candles. Special device inside metal candle holder keeps flame burning at the same level. Guaranteed profit of \$81 to \$978. For details write Abigail Martin, Dept. 90E, 1113 Washington Ave., St. Louis, Mo. 63101.



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Take this 3-qt. steel baking pan anywhere. Fits into polystyrene shell to keep food hot or cold for hours. Bake or chill food in it, then lock into insulating shell. 16x11x6 in. Ideal for benefit luncheon or buffet. \$2.98 plus 79¢ postage. Bon-A-Fide, Dept. 10AH, 1 Park Ave., New York, N.Y. 10016.



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Keep a kitchen pretty with the aid of this "trolley" to keep your own waste-can hidden under the sink or in a cabinet. Attach, detach easily. Glides wastecan out as door is opened; disappears inside when closed. Honey tone pine stain finish. 16x12 in. \$4. Yield House, AH-10, No. Conway, N.H. 03860.

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fur-no one will ever know!"

You're a jungle goddess

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whimsical little boys in oversize shoes add charming decorating touch to table, desk, cabinet

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Head straight for cozy comfort in this Heavenly Shoe made and laced with cushiony soft, cowhide leather. Builtin arch lifts are a real plus. In white, black, or natural. Sizes: 4-10, M, W; 5-10, N, M, W. \$9.95 plus 75¢ postage. Old Pueblo Traders, 600-AHC, South Country Club Rd., Tucson, Ariz. 85716.



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pink pine (shown) \$1. Austrian Tyrol, Japanese red, black pines, Chinese yew, Sequoia Pk. redwood, \$4.99; \$1.35 each. Instructions, tools, etc. Western Arboretum, AH-10, 1446 E. Walnut, Pasadena, Ca. 91106.



Get the hang of it

Make it easy for your man to keep his ties neat with a Mi-Tie Hanger. Walnut with brass hook and crossbar, gold plastic removable riders do the work. 25 tie size, \$5.50; 50 size, \$7.50; 100 size, \$9.50 ppd. Sleepy Hollow Gifts, Dept. AH10, 3023 Crane Dr., Falls Church, Va. 22042.



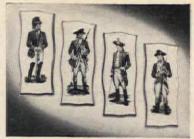
Up-to-the-minute guide

Guide to Antiques and Curios tells the current price to buy or sell. Facts and prices of thousands of fascinating items-china, jewelry, etc. 224-page pocket edition, \$2; 352-page with color section and 70-page list of Currier & Ives prints, \$5. Quality Values, Dept. AH-10, New Rochelle, N.Y. 10804.



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Pyro-Foam Fire Extinguisher is ideal for use in home, on a boat or camper, etc. Actually a mild detergent, it won't stain fabrics and penetrates for total extinguishing. Nontoxic foam converts to liquid after use, yet dries quickly. \$5.75. Distribution Dynamics, Dept. AH-10, Box 9417, San Diego, Ca. 92109.



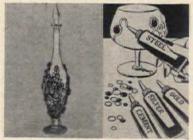
Colonial soldier plaques

Antique color prints by Frederick Elmiger are signed and bonded to 34 in. solid wood. Coated for durability, the set consists of Washington's Bodyguard, Colonel of Artillery, Continental Private and American Dragoon, 9x4 in., each \$4.48. The Ferry House, Dept. AH-10, Dobbs Ferry, N.Y. 10522.



Van Gogh glory

"Sunflowers" shines as one of the most popular and well-loved paintings by Van Gogh. Vibrant yellows, greens, and browns are magnificent. 20x26 in. Elegantly silk-screened on artists' canvas. \$6.95 plus 45¢ postage. Order from Lambert Studios, Dept. 212, 15 West 24th St., New York, N.Y. 10010.



Pretty glassy

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Hostess happiness

Throw a party and toss away the dishes. Picnic or party, be a smarty with Party Pak—a tough, durable 175-piece set that contains all you need to serve 25 people. Use over and over or throw away. \$10.95. Catalogue, 25r. Suburbia Mail Shopping Service, Dept. 10AE, 366 Wacouta, St. Paul, Minn. 55101.



Have you any idea what it means to fall in love with a King-Size man?

(confessions of a big man's wife)

It means kingsize beds. It means aisle seats at the movies. It means running when he's walking. It means holding my breath while he tries on his new jacket.

For the clothes he wore never seemed to fit him correctly. I'd almost cry to see my handsome man in skimpy shirts or slacks, or a jacket that looked two sizes too small. Nothing he wore was designed or proportioned right for a man his size.

I thought that by shopping for him myself I could change all that. In our town there are many good men's stores. I shopped in each of them. But any shirt or slacks or jacket I chose, it was always the same answer, "Sorry, M'am, we don't have it in that size!"

Then one day a friend showed me the new KING-SIZE Catalog. It was a revelation! I could see these people were BIG MEN Specialists. They understood. For here was 128 pages crammed with smart, stylish clothing and shoes...sweaters, slacks and jackets...
all specially designed for TALL and BIG
men! Necks to 22"...sleeves to 38"...inseams
up to 42"...sizes to XXXL! And the finest brands - McGregor, Arrow, Manhattan, Jantzen, Weldon. 200 shoe styles in sizes from 10 to 16, widths AAA to EEE...including DuPont Corfam, Hush Puppies, Bates Floaters and others.

Best of all, this beautiful full-color KING-SIZE Catalog doesn't cost a penny. And every item carries the famous KING-SIZE Money-Back Guarantee, "You must be completely satisfied both BEFORE and AFTER wearing, or you get an immediate refund or exchange." Could anything be fairer?

If your husband (son, brother, boyfriend) has the same kind of King-Size problem, you



can solve it the same way I did. Just sit down and write for the FREE KING-SIZE Catalog. When it comes, you and your TALL and BIG man will discover how much FUN buying the right clothes for your KING-SIZE man



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T	he KING-SIZE CO., 4699 King-Size Bldg., Brockton, Mass.
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CREATIVE STITCHERY kits to decorate your home.
Complete kit includes design stamped on decorator fabric, colorful floss and wool yarn, needle, easy instructions, and 12" x 15" white molded frame.
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COUNTRY CURTAINS STOCKBRIDGE, MASS. 01262, Dept. 77



The grace of lace

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Head the fashion circle with a Modern Swirl ring in 14K white gold with 2 carat Strongite pure white stones. Beautiful, they're guaranteed against scratching and chipping. \$46. Free catalogue on others for men and women. The Strongite Co., Dept. AH-10, 7 West 45th St., New York, N.Y. 10036.



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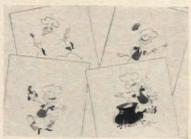
Pretty timely

Daisy Wall Clock gets its flower power from an accurate Ingraham electric movement. Plug in its green "stem," and the yellow petals are caressed by hour and minute hands in day-glo red. Accented in rust and green, it's 8% in. \$6.95. Amtech, Dept. AH-10, 3511 Lawson Blvd., Oceanside, N.Y. 11572.



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In grandma's heyday, tiny holders like these housed matches or toothpicks. Made from authentic molds, today's charmers prefer posies. In early glass colors. 4 in each set. Daisy & Button (2½ in.), \$4.50; Hobnail (3 in.), \$5. Write to Downs & Co., Dept. AH-10, Evanston, III. 60204.



Funny for him

Is your "chef" all thumbs in the kitchen? Why not surprise him with this whimsical portrayal of a culinary cutup showing off his teaspoon talents. Four colorful chef prints are delightful teasers in a kitchen or family room. Set, \$5. American Cottage Prints, Dept. AH-10, Box 8251, Erie, Pa. 16505.



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It looks like a hornet's nest, but it's really a darling wren house. In red, yellow, or grey rustproof aluminum. Handy ring to hang from limb. 7 in. high. \$9.50; with bracket, \$10.50; wrought iron bracket for wall mounting, \$1. Old Guilford Forge, Dept. AH-10, Guilford, Conn. 06437.



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Looking very much as though it stepped out of an exciting and romantic ageold story comes this lovely server to keep 10 cups piping hot for more than 4 hours. Foam insulated plastic, use for cold beverages, too. Black or avocado. \$9.48. Gracious Living, Dept. AH-10, Berkeley, R.I. 02864.



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Perfect to play on—to eat on—to draw on. The scaled-down table and chairs will help take the wear and tear off the grown up furniture. Built from rigid Fiberboard, comes in FULL COLOR, guaranteed to hold up under the rowdiest party. Ideal for Indoor or Outdoor use, they assemble in seconds. Scrubbable, Storable and Sturdy. The perfect solution for children's furniture at a logical price. And the kids love it!!

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■ This silvery beauty has a unique synchronized movement that plays the beautiful, haunting "Somewhere My Love" with Old-World charm. Has a transparent top so you can see the imported mechanism work. Fascinating to watch. Lavishly designed and lined in red velvet. Just room enough for your favorite rings, earrings. 41/2" x 21/4" x 31/4". #1736 \$7.95 plus 50¢ p.p. & hdlg.

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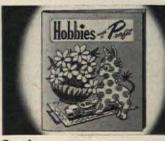


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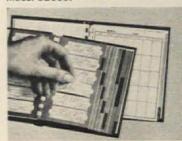
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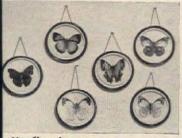
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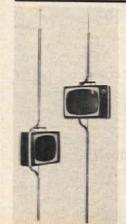
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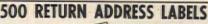


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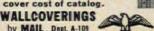
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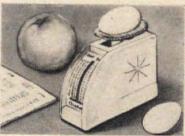
Cent-er of attraction

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Hail Britannia. Aye, there's the rub. We've gained a lot of delightful creature comforts in this awesome, automated age-but we've lost birdsong. How long since you've heard the tender, sweet, plaintive, flutelike whistle of a meadowlark? For that matter, how long since vou've heard the chit-chit of a house wren, the wicky-wick-wick-wick of a flicker or the chuck-burr, pill-a-willa-will-a of a lovesick towhee?

The fact is that people who live, work and play in air-conditioned cubicles don't hear a thing-aside from the air conditioning, of course. They don't hear the bees buzzing in the blossoms. They don't hear the rustle of trees before a storm. They don't hear children playing, dogs barking, cars honking-life is a TV program with the audio on the blink.

But air conditioning isn't the only villain of this piece. After all, birdsong is still out there if we choose to listen. The real moustache-twirler is Progress itself, which is killing off all the good old sounds of the good old days forever. Put the blame on washing machines, airplanes, supermarkets, stereo, flip-top cans-all the fabulous technological advances aimed at making us happier, healthier, and wealthier Americans. What I mourn are the sounds that you can no longer hear if you listen for a month of Sundays or a century of summers.

Listen, my children, and you won't hear all these sounds of yesteryear: The creaking of the old porch swing, Tinkling pitchers of lemonade, The postman's daily ding-a-ling, The oom-pah-pah of the circus parade, The whirring of the scissor grinder, The carpet beater's whack-whack, The clicking of the town clock winder, Skid chains going clack-clack,

Steam engines hissing, Screen doors banging, Model Ts missing, Fire wagons clanging, Swinging on the old front gate, Plinking on a Pianola, Shoveling coal into the grate, Cranking up the old Victrola, Shouts of "Extra!" on the streets, Rolling out wooden barrels of beer, Clotheslines with flap-flapping sheets, Parents saying "No," loud and clear, Ladies gabbing over quilts, Sing-alongs at the flicks, Kids clomping on wooden stilts, The striking of kitchen matchsticks, The blast of the five-o'clock whistle, The creak of the water well, The rumble of a Bissell, "Farmer in the dell," Street vendors singing, Sleighbells ringing, Trolley cars clanging, Firecrackers banging, Milk wagons clinking, Mandolins plinking. . . .

The list could go on and on-with reason if not rhyme. How many sounds from your childhood can you remember? I remember the sound of shelling peas. Plink-plink went the little green pellets as they plopped into the colander. Remember how table fans used to whir in the night-and moths bat against the light on the porch? Remember how you couldn't walk down Elm Street without hearing piano scales through every other open window? Remember tap dancing? Roller skating (not skate boarding) on the sidewalks? Chopping ice with an icepick? Churning butter?

Come to think of it, we've lost a passel

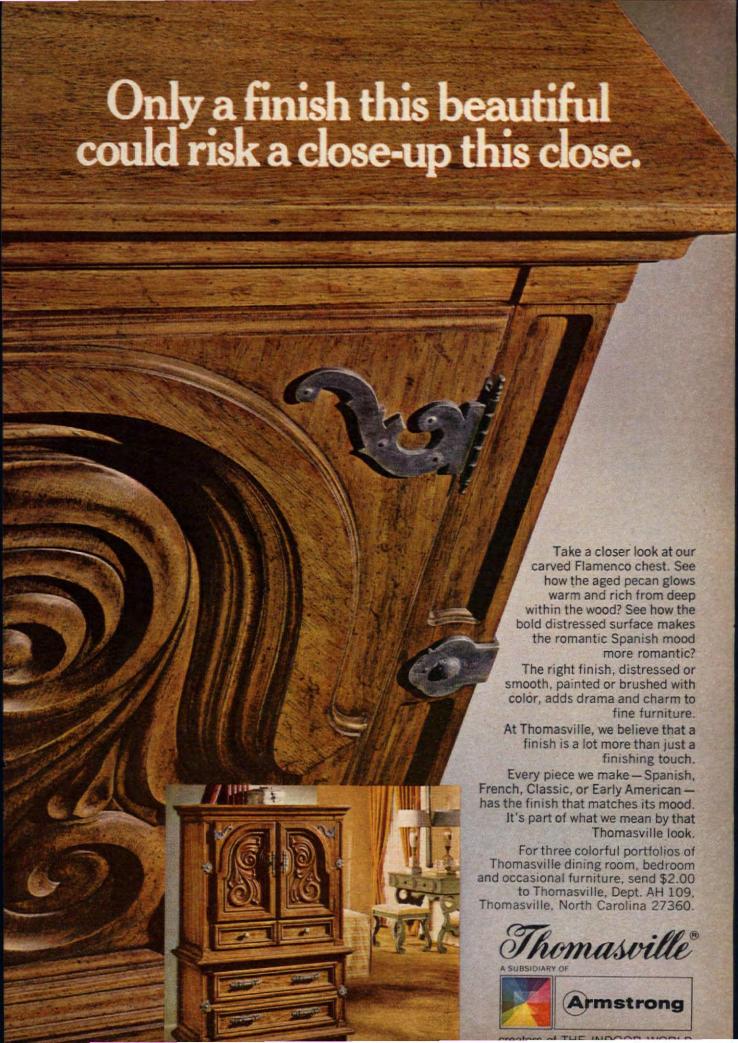
of noises to creeping urbanization. How many children have ever heard a reallive oink-oink, baa, cheep-cheep or moo? Farm sounds are disappearing faster than the organ-grinder's monkey.

But even whilst wallowing in nostalgia, I don't claim that yesterday's sounds were necessarily softer or sweeter than today's. True, some things make a lot more noise now than they used tobarbers' clippers, lawn mowers, airplanes, teen-agers' music. But think of all the loud things that have become quiet. Doorbells no longer buzz-they chime. Alarm clocks no longer jolt you out of bed like a charge of dynamitethey serenade you with music. In fact clocks no longer ticktock. Garage doors no longer groan open and clang shut ir the middle-they glide silently into the rafters at the push of a button. Dentists drills, light switches-all have acquired dulcet new whispers.

No, I don't miss the sounds of yester year because they were better-I jus miss them because they're gone. I don' suggest for one ticktock that we turn back the clock. Where's the future in that? You can't have one foot on th moon and the other swinging on the ol front gate. You can't keep everybod down on the farm after they've seen TV air conditioning, whisper-jets and froze peas. At the same time, while most of u are still on earth sitting under the moor why not listen to the mockingbirds crickets and peepers?

I'm with the lady from England. I in tend to hark to larks as long as there ar larks to hark to. Then again, you've heard about the lady from New Yorl She lived by the thundering, clattering ear-shattering old Third Avenue I (another sound that bit the dust), bu she couldn't sleep a wink when she wer to the country-the "boids" kept he awake. Beauty, after all, is in the ear EN the harkener?

Kit Hinrich



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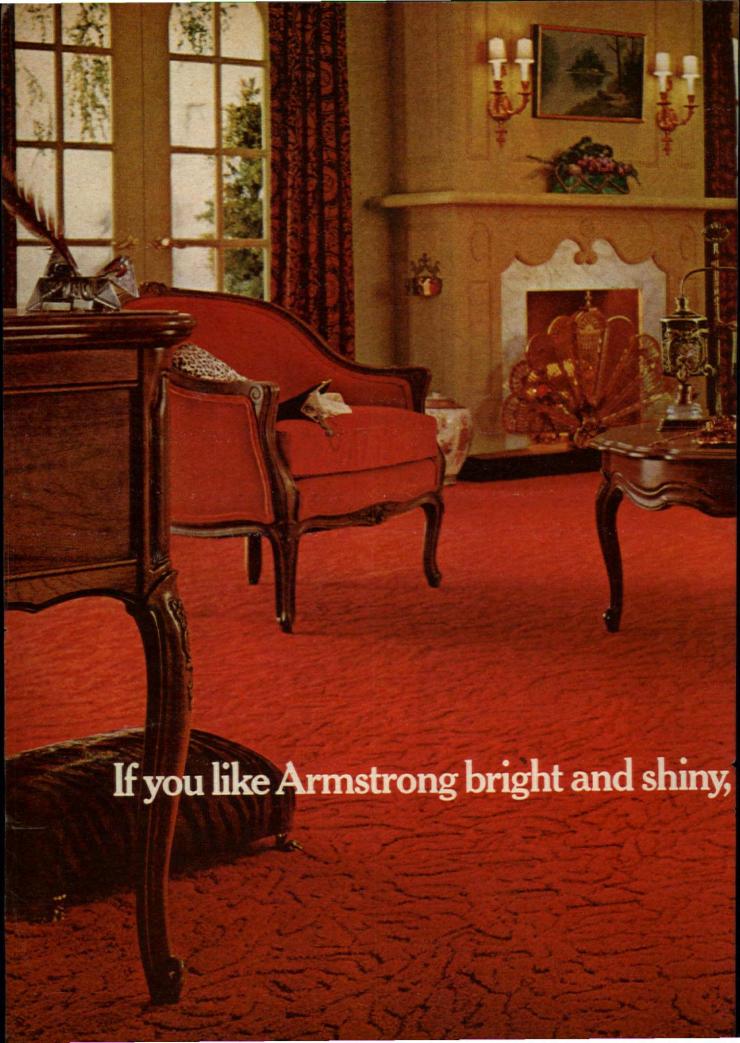
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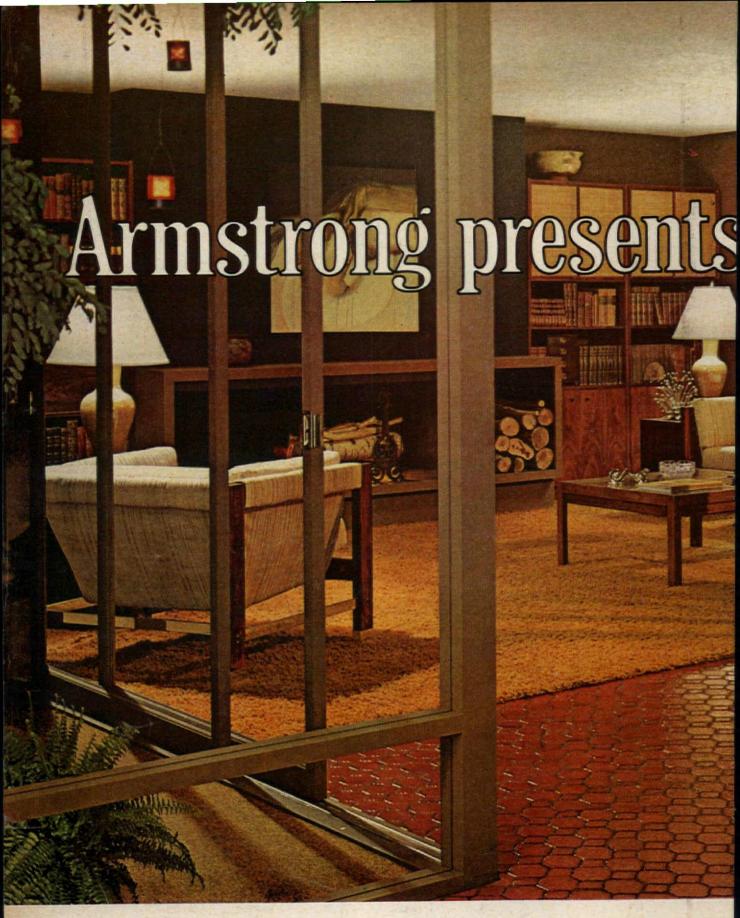
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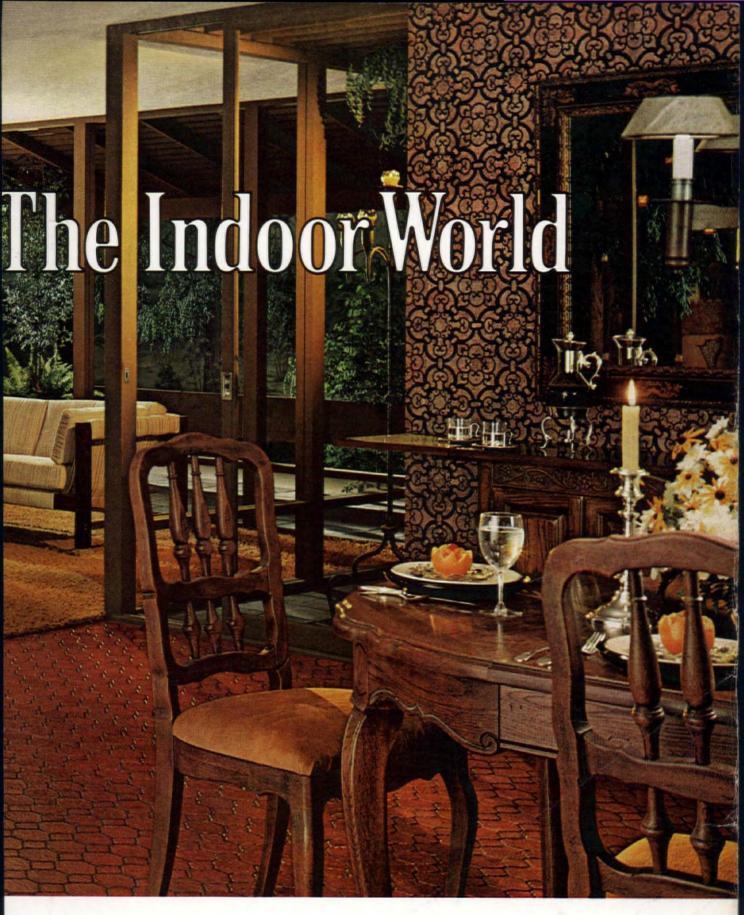
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