The Newest
most sensational TELEVISION development

Motorola
Portable Television

Here is the celebrated Motorola Television receiver now known and enjoyed in thousands of homes coast to coast... the same star bright picture automatically synchronized with rich, Golden Voice sound... all beautifully redesigned for complete PORTABILITY. It's the new and excitingly handsome Motorola Model VT73 in a rich sun tan leatherette cabinet.

No installation problem. Take it home, snap the amazingly efficient antenna into position and you're ready for Television thrills. Move it from room to room, to the porch or to your house in the country. If you're within range of a television station, you'll get very satisfactory reception. This is true in most locations.

There is nothing more to buy. No delay. No struggle with a landlord over rooftop antenna installation. Ask your Motorola dealer to bring the Model VT73 to your home for a demonstration, or see it soon in his store.

MOTOROLA INC., 4545 AUGUSTA BLVD., CHICAGO 51, ILLINOIS

Prices slightly higher in south and west. Prices subject to change without notice.

MODEL VT73

Your dealer will show you Motorola's complete line of wonderful Television receivers.

Motorola Golden Beam Antenna. Will operate all Motorola Television receivers within regular telecast range.

Popular VT71 Table Model. Lightweight...low priced... beautifully styled. Sharp, smooth-moving pictures. Weight just 26's, Rs.

The New VT107 Table Model. 55 square inches of clear, steady pictures...gorgeous Furniture-Styled cabinet...life-like FM sound.

6 in One VF103 Console. Big-screen television, AM and FM radio, automatic radio-phonograph for standard and new "Long Playing" records plus record storage space.

Beautiful VK106 Console. 55 square inches of clear, constant direct view pictures, simplified controls, hand rubbed Furniture-Styled cabinet.

all for only

$199.95

nothing else to buy

With one year's guarantee on all parts including picture tube.
Better Building

...in Less Time

at Lower Cost

Today, in dozens of big construction jobs across the country, alert architects are demonstrating their skill in coping with rising construction costs, by specifying a material that gives their clients better building... in less time... at lower cost—

Cemesto® The Multiple-Function Material

WHAT IT IS... Cemesto is a rigid, insulating, fire- and moisture-resistant building board... composed of a Celotex cane fibre core surfaced on both sides with asbestos cement, bonded with a moistureproof bituminous adhesive.

WHAT IT DOES... Cemesto gives you a superior material for sidewalls, roof decks, and interior partitions.

It combines high thermal insulation with great structural strength in an integrated wall unit that furnishes both interior and exterior finish and requires no painting.

YOU ARE INVITED to write us for details on Cemesto applications in which you are interested. In the meantime, you'll find complete specifications on Cemesto in Sweet's file.

THE CELOTEX CORPORATION, CHICAGO 3, ILLINOIS
COHAMA
UPHOLSTERY, DRAPERY AND SLIP-COVER FABRICS
proudly presents
its new collection of weaves and prints

Creative in design, color and weave.

Cohn-Hall-Marx Co. • Upholstery Division
A Division of United Merchants and Manufacturers Inc.
LOS ANGELES—120 East Eighth Ave.
New York • Chicago • San Francisco • Seattle • Dallas • Boston
CONTENTS FOR MARCH 1949

ARCHITECTURE

House by Oscar Niemeyer, Architect
Lutah Maria Riggs and Arvin Shaw, Ill,
Detailing and Execution
Roberto Burle-Marx, Landscape Design

Case Study House for 1949 by Charles Eames,
Kenneth Acker, Consulting Architect

House by Gianni Patrini, Architect

Case Study House No. 3 by Wurster, Bernardi and
Emmons, Architects

Mutual Housing's Pilot House by Whitney R. Smith and
A. Quincy Jones, Architects;
Edgardo Contini, Engineer

SPECIAL FEATURES

Art
Cinema
Music
Notes in Passing
Merit Specifications—Case Study House No. 3
New Product Literature and Information
Index of Advertisers

ARTS AND ARCHITECTURE is published monthly by John D. Entenza, 3301 Wilshire Boulevard, Los Angeles 5, California. Established 1941. Entered as second class matter January 29, 1935, at the Post Office, Los Angeles, California, under the Act of March 3, 1879. Price mailed to any address in the United States, District of Columbia, $5.00 a year; in Canada and foreign countries, $7.50 a year. Single copies 50 cents. Editorial material and subscriptions should be addressed to the Los Angeles office. Return postage should accompany unsolicited manuscripts. One month's notice is required for a change of address or for a new subscription. In ordering a change, please give both new and old address.
If you could draw a graph of your clients' degree of interest on inspection tours, you'd see what happens when they come to a Case bathroom. Wandering eyes snap into focus. Attention shoots up fast...they've come to the Interest Peak that re-affirms their approval of your work.

Whether you are pioneering along new lines or interpreting traditional ones, Case quality plumbing fixtures impart this Interest Peak to your bathrooms. There is refinement in their design, excellence in their construction—and no premium to pay in first cost or maintenance.

The delivery situation and the variety of available designs are more good reasons for specifying Case vitreous china today. W. A. Case & Son Mfg. Co., Buffalo 3, N. Y. Founded 1853.

Case plumbing fixtures are distributed nationally by leading wholesalers whose names are listed in classified telephone directories.
Your clients will appreciate this counsel

- Unless they're counselled wisely, far too many home builders make a costly mistake. They overlook the ever-increasing trend toward “better electrical living.” Consequently, they fail to provide for an electrical system that will handle the electrical appliances they want now—to say nothing of the ones they'll want in the future.

When you recommend adequate wiring and Multi-breaker protection, you are making sure that your clients can take full advantage of “better electrical living.” There will be no overloaded circuits, no unnecessary service interruptions, no replacing of burned-out parts.

It costs them very little more to get the right electrical system at the time they build. They’ll be faced with a major and costly re-wiring job, if they do it later. You’ll generate a lot of client enthusiasm by giving them these down-to-earth facts.

SQUARE D’s

Coilless
Thermal- & Magnetic
MULTI-BREAKERS
Give Complete Circuit Protection and Customer Satisfaction

...because they

- hold harmless momentary overloads but trip on continuous overcurrents before wire insulation is damaged.
- trip quickly on “shorts” to localize damage.
- give repeat protection, no parts burn out—nothing to replace.
- are non-tamperable, Factory test-tripped and sealed.
- are safe. No live parts exposed. Anyone can operate them.
- include switching means as well as circuit protection.
- are compact. Room for expansion without excessive space.
- are attractive. Can be installed in most convenient location.
PLYSCORD cuts building time and costs. The large, light panels cover big areas fast and require fewer fastenings. Contractors report 50% saving in time when using PlyScord for subflooring... even greater savings when the panels are used for roof decking and wall sheathing. Homes built with PlyScord are tighter and warmer, as well as stronger and more rigid.

Walls are Stronger—More Rigid, When Sheathed with PLYSCORD

Here's how government tests at U.S. Forest Products laboratory rank the relative strength and rigidity of various sheathing materials on walls with openings:

<table>
<thead>
<tr>
<th>Sheathing Material</th>
<th>Relative Rigidity</th>
<th>Relative Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>1x8” DIAGONAL SHEATHING</td>
<td>1.0</td>
<td>1.3</td>
</tr>
<tr>
<td>29/32” FIBERBOARD</td>
<td>1.6</td>
<td>2.1</td>
</tr>
<tr>
<td>HORIZONTAL LET-IN BRACES</td>
<td>1.5</td>
<td>2.2</td>
</tr>
<tr>
<td>1/4” PLYWOOD NAILED</td>
<td>2.0</td>
<td>2.8</td>
</tr>
<tr>
<td>1/4” PLYWOOD GLUED TO FRAME</td>
<td>3.7</td>
<td>4.0</td>
</tr>
</tbody>
</table>

PLYSCORD—the unsanded sheathing grade of Interior-type Douglas fir plywood—contributes to better building in scores of ways.

PlyScord adds rigidity and strength to wall construction when used as sheathing. PlyScord is an ideal roof sheathing, too—suitable for any type of finish roofing. As subflooring, PlyScord provides a rigid, sturdy base for finish flooring, insulates, protects against drafts from below. PlyScord serves as a one-use concrete form panel as well: after form use, the panels are re-used as sheathing or subflooring—an added construction economy.

For details on PlyScord use and application, see Sweet’s File, Architectural, or write for the new 1949 Basic Plywood Catalog. Also available is a new booklet, “The Wood of 1,000 Uses”. Douglas Fir Plywood Association, Tacoma 2, Washington.
HORIZONTAL SLIDING STEEL DOORS and WINDOW UNITS

Available for large door units and in small sliding window areas. Permits unrestricted design.

Steelbilt Installations can be seen in Case Study House No. 3

STEELBILT, INC.

Sales Office and Factory
4801 East Washington Blvd.
Los Angeles 22, California
ANGelus 95859
COPPER makes COMMON SENSE for "MODERN"!

Note the facing of Revere 20 oz. cold rolled copper, in sheets approximately 2' x 4', which goes around 3 sides of this modern store building. The copper will be allowed to age naturally, and at all stages (particularly after the patina develops) will harmonize with the chocolate brown siding. 16 oz. Revere Copper was used for flashing.

Colorful and lasting beauty is provided by the sheet copper facing around the new Home Textures store in White Plains, New York. In addition, both original cost and maintenance of the copper facing are extremely low.

This new building is another striking proof of the versatility of Revere Sheet Copper—the metal that is equally suitable for modern or traditional architecture... for big jobs or small jobs... indoors or outdoors. In fact, it makes sense to rely on copper whenever you want beautiful and lasting sheet metal construction.

And for the answers to your problems on design or installation of sheet copper, it will pay you to use the new technical data developed by the Revere Research Laboratories. You'll find these data in Revere's booklet, "Copper and Common Sense." This authoritative manual of sheet copper construction has been widely distributed to architects and sheet metal contractors, and there is probably a copy in your files. Be sure to refer to it as your guide to fine and durable sheet copper construction.

Revere materials are available from leading distributors throughout the United States. A Revere Technical Advisor will always be glad to consult with you without obligation.
As you read this Formica® message tens of thousands of folks the world over are this instant being served with food or drink on Formica surfaces. The popularity of this colorful, practical decorative laminate has been earned by its rugged resistance to the abuse of careless crowds.

Fruit acids, alcohol, boiling water, and mild alkalies fail to dim Formica’s lustre. It cleans with the wipe of a damp cloth. Cheerful color patterns, rich natural Realwoods®, are available in both standard and cigarette proof grades.

See 1949 Sweet’s Architectural File (section 13i, catalog 4) for more Formica information.

"Just as good" is a fable. Look for the label.

Insist on genuine Beauty Bonded Formica

*Trade Mark

FORMICA, 4635 Spring Grove Ave., Cincinnati 32, Ohio
1949 brought three exhibitions to Los Angeles, small, but each one of importance in its own way. The most considerable was the retrospective show of painting by Max Ernst at the Copley Galleries in Beverly Hills. Working in France since the end of the first world war, Ernst has been associated with the iconoclasts of Paris: Arp, Breton, Cocteau, Eluard, Man Ray and Tzara rather than with any German group. Single pictures by Ernst seen here and there in the past, gave no true idea of his total value in relation to modern painting. Although somewhat cramped for space in this show we see his multiple interests, his capacity for performance, for dominance over his media, his inexhaustible curiosity and appetite for the meat of ideas.

Probably more people are familiar with his superbly carried out "Temptation of Saint Anthony" since it was seen two years ago on a tour with others of the title—a somewhat baroque affair. More characteristic of Ernst are the studies in hardness such as No.'s 58 and 59, non-osteological bone forms, and the "Nageurs Aveugles" (if titles bother anyone just forget them) where the slow movement of a gas bubble seems to rise through sedimentary levels, expressions in pigment of time and density. What is most his own is what he calls "frottage;" the literal translation; rubbing, is hardly adequate for a way of applying paint that gives somewhat the effect of a monotype with additional definitions and the preservation of pure color. Of this fashion are rock pictures, No. 35 and "Fascinating Cypress" among others, as much the metamorphic ridges of southern Arizona as the uncooled up-heavals of a million years ago. There is no other painting technique that describes so well the geological qualities of perpetual slow motion and reflected light. Ernst has thrown out the railway poster scenic painter's kit and come up with a different approach, for which let us be thankful. A reassuring sense of humor among these Götterdammerung-scapes is gratefully noted in an "Ideal postcard," a nondescript sketch of blurred landscape across which streaks a vehicle—it is lettered "Greetings From —-

Unlike other exponents of the post world war in revolt, when dadaism began, Ernst never stopped to repetitiously deny perverse man but went on to observe and explore the immense resources of the things and life that cover the earth's crust and the interior of man's mind. In painting and in sculpture he has broken up innumerable blind alleys and tabus, worked out experimental techniques and solved problems in relative motion, depth and texture enough for a dozen others to achieve. He developed collage—not, as he says, merely pasting one form over another—"if feathers make plumage it is not the glue that makes a collage"—his meaning is the combination of forms—or ideas—in one plane which have no normal connection."—collage—the magisterial eruption of the irrational into all of the domains of art, poetry, science, fashion, the private life of people." And; "the fortuitous encounter of two distant realities upon an inappropriate plane." One aspect of 1919 dadaism, shared with other painting movements, that we are inclined to dislike is the literary manifesto written as much for shocking as to justify the painter. Ernst too has written in this vein but with nuggets of insight: frottage—the principle of the intensification of the mind's powers of irritability—surrealism has enabled painting to travel a long way from Renoir's three apples, Manet's four sticks of asparagus, Derain's little chocolate women, and the Cubist's tobacco-packet,

---

**WARE Aluminum WINDOWS**

**LIGHT YET STURDY**

**CHEERFUL SILVERY APPEARANCE**

**NO PAINTING - NO RUST**

**STORM-TIGHT**

**MERIT SPECIFIED**

**THE CASE STUDY HOUSE PROGRAM OF THE MAGAZINE**

**ARTS & ARCHITECTURE**

**Write for detailed information**

Manufactured by **WARE LABORATORIES, INC.** in Miami, Florida

GENERAL OFFICES AND SALES OFFICES: 1827 Delaware Parkway, Miami 35, Fla. • NEW YORK OFFICE: 21 West Street
The perfect furniture for sun porch and terrace is equally versatile and wonderful for lending a touch of romance to drab interiors. Over a hundred imaginative designs in genuine East Indies rattan. Your clients may choose from a stimulating array of exclusive Ficks fabrics, color-correlated for planned decorating.

When you buy rattan, be sure it is GENUINE EAST INDIES rattan. Furniture made of this harder, more durable, material is your assurance of top quality.

Write for catalog.

Ficks Reed Co.

424 FINDLAY ST., CINCINNATI 14, OHIO • 383 MADISON AVE., NEW YORK 17, N. Y.
and to open for it a field of vision limited only by the irritability capacity of the mind's powers. Needless to say, this has been a great blow to art critics, who are terrified to see the importance of the "author" being reduced to a minimum and the conception of "talent" abolished. Against them, however, we maintain that surrealist painting is within the reach of everybody who is attracted by real revelations and is therefore ready to assist inspiration or make it work to order."

Ernst recognizes the factor of irritability, one that responds to aesthetic as well as material stimuli, and that it contributes of this added sense, often unwittingly, governs our responses more and more; for example, it is what makes people decide that the music of Gian Carlos Menotti is exciting—or ugly. But do not be deceived by the other theory in Ernst's paragraph above that surrealism will put painting in reach of everyone—he himself is a master of decision as well as technical skill and it is doubtful if he has ever turned out automatic tours de force without effort.

Without thinking at first in this show, we think that we have seen the same things painted in the same way by others—and so we have. It is only because the corpus of Ernst's work has come to us so lately that his followers seem to be his precursors. The collages—the one with ink spotted blotter is delightful—the architectural space of di Chirico, the irrational reality of Magritte, geometric bones, mechanical gadgets and dismembered torsos of scores of painters whose work came to our shores sooner than that of Ernst seem to greet us again. While he wrote—and illustrated—books, worked on the forms and grain of stone, exhausted whole fields of strange painting usage, each of these single aspects has been taken over and refined by others.

This prodigal extravagance of synthesized interest is absent in our Puritan art, a fact unfortunately emphasized by the current exhibition of Artists of Southern California at the Modern Institute of Art, just round the corner. In about 40 pictures by regionally—some even nationally—known painters the impression is that it is a show by two or three instructors and their pupils. There is competent technical facility and prettiness—even passionate—pigment, but tired themes that have been restated and rehashed since Hector was a pup. Worse, these are fractions of pictures, as though the painter must save his stock of invention for a rainy day. And who painted which?

The one painting that we take home in memory is Rico Le Brun's "Wood Of The Holy Cross," one of his vertical canvasses which, in the syllables of the alphabetic, rumbles of darkness at noon, of historical and spiritual emotion, and fairly sings of the harmony of painter with paint. Not only is it difficult, but unfair, to judge any painter by a single canvas but most of these entrants have been seen before. Of those with sparks of life and promise Channing Peake, whose Red Lantern is very red, and William Brice, seem well worth watching, as much for painting flair as for invention. Brice's "Lambshank," an elegy on tallow and gristle, encourages us to hope that he may indulge in a prime rib for our delectation.

The small but very good collection of African sculpture loaned by William Moore to the Jepson Gallery was a pure pleasure without controversial problems. Nowhere west of the Barnes and University of Pennsylvania collections of African art is there such a satisfying group of this fundamental sculpture as Moore's. The Yoruba bowl, since it was shown at the De Young Museum in San Francisco, has been much discussed, an ornate conception of rigidly stylized figures integrated into a global form. Less spectacular but more subtle are masks from the Ivory Coast in which basic planes convey mood and mystery, and richness is evoked by exquisite surface finish of the wood. A lusciously patinated ivory figurine like an Epstein madonna, is an unusual 18th Century Benin piece; the twin warrior plaque and warrior head, both of

IT TAKES HUNDREDS OF EXPERIMENTS

Through research and experimentation, the SUNBEAM Lighting Company's entire line of fluorescent fixtures is constantly being improved. Every detail of design is considered in order to achieve the highest degree of light distribution control, efficiency and maintenance. This also leads directly to new luminaire designs, such as the VISIONAIRE 1800 series, an indirect slimline unit of unusual design.

SUNBEAM LIGHTING COMPANY • 777 EAST 14TH PLACE • LOS ANGELES 21, CALIFORNIA
MARCH 1949

TO MAR THE PERFECTION OF BEAUTIFUL CARPET

"smoother edge"

HOLDS IT FIRMLY WITH INVISIBLE BONDS

what is "smoother edge"?

Smootheredge Gripper consists of plywood strips, \( \frac{3}{8} \)" thick, 8' long, and 1\( \frac{1}{2} \)" wide. Especially designed conical tipped 16-gauge pins penetrate the plywood at a 60° angle. When the strips are nailed or adhered to the floor, these pins protrude far enough to fully penetrate the warp of the carpet. They are staggered \( \frac{1}{2} \) inch apart in two rows, so that the warp is gripped every \( \frac{1}{2} \) inch and along two threads. This patented combination provides strength, rigidity, and gripping power to withstand any stretch given to the carpet.

Beautiful carpet, unmarred by a single tack mark or fluted edge. Smooth, even carpet firmly held flush to the wall by "Smootheredge," the modern carpet installation material. Mohawk Carpet Mills, Inc., Bigelow-Sanford Carpet Company, Inc., and Alexander Smith & Sons Carpet Company teach the "Smootheredge" method in their carpet installation schools where recommended techniques are developed.

Send the coupon below for fully illustrated descriptive material.

THE ROBERTS CO.

1536 NORTH INDIANA STREET • LOS ANGELES 33, CALIFORNIA

THE ROBERTS COMPANY

1536 N. Indiana Street
Los Angeles 33, Calif.

Gentlemen:

I believe Smootheredge Gripper is the answer to my wall-to-wall carpet installation problems. Please send me complete information on the Smootheredge system.

NAME

TITLE

FIRM

STREET

CITY

ZONE

STATE
The magnitude of our debt to these nameless sculptors is obvious; not only has African art served as the plasma which revived anemic European art forty years ago, but a rediscovery of the source is at the moment taking place among art students, chiefly in a recurrence of enthusiasm for Modigliani, one of the first exponents of African art of a previous generation. Primarily Moore's African show was for painters and sculptors and, as such, was a lucky break for Jepson students. The school supplements classes with gallery shows by their faculty, a graphic demonstration of theories taught in classrooms and of great usefulness both to instructors and students. The faculty includes some of the best painters in this region; the exhibitions are well worth following for every gallery visitor.

SAN FRANCISCO

CLAIRE FALKENSTEIN

Robert B. Howard's retrospective exhibition at the University of California Art Gallery is outstanding among the current exhibitions. The installation was designed by Winfield Scott Wellington, and is masterly. The very large architectural models and murals, the large wood sculpture, the smaller terra cottas, the still smaller pieces of sculpture in a variety of media and the easel paintings are all placed in such delicate relation one to the other that each work seems to be emphasized in its esthetic nature and in its material properties. Right-angle planes established by the murals and mural cartoons attached to the walls, act as architectural divisions in the gallery. They give an intimate feeling, yet at the same time great visual scale. It is interesting to note that these murals were painted on canvas in the late twenties for a previous San Francisco home of Mr. and Mrs. Eldridge T. Spencer. The mural cartoons were made for the murals in the Luncheon Club at the San Francisco Stock Exchange. Bob Howard and Diego Rivera were commissioned by the architect, the late Timothy Pflueger, to do the murals. And, the esthetic integration of the Stock Exchange building is due in great measure to the collaboration between architect and artist on every architectural detail. For example, the elevator doors were designed by an artist. And the stair banister leading to the Luncheon Club was another work of Bob Howard's.

This exhibition at the University of California Art Gallery is an impressive aggregation of works in form and color. Much work, varied approaches, wide divergences in materials employed, no satisfaction in half measures in regard to technique and an overgrowth imply that this is a result of a life dedicated to art. Some of the work is heroic in size which is a feat in itself. The massive redwood pieces: "Phoenix" and "Eyrie," climax years of esthetic exploration. While the smaller "Semaphore" in pear wood expresses an idea concerning tension.

Among other stimulating exhibitions are those at the California Palace of the Legion of Honor, the San Francisco Museum of Art and at the new California Centennial Gallery in the Berkeley Public Library.

One is well repaid for that trudge up the hill to the California Palace of the Legion of Honor upon seeing two especially fine exhibitions. The four purchases from the Third Spring Annual of American Painting recently concluded, act as a nucleus for a four-man show. Ben Shahn, Yves Tanguy, Charles Howard and Walter Stuempfig are the four men whose work was chosen.

Because of the varied aims of the artists, the resulting works differ widely; the show represents a cross-section in the same way as did the entire Annual. At opposite ends of the pole are the paintings of Charles Howard and Walter Stuempfig. While Charles Howard analyzes elements in his experience, recombines the parts into spatial structures and makes no direct reference to natural appearance, Walter Stuempfig visually records the world in which
interior consultants for case study house number 3
he lives and restates his impression in symbols intact from his record. The result achieved by Charles Howard is the outcome of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stempfig, on the other hand, in submitting to the authority of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature.
Something new has been added!

Suits modern or early American, ranch or formal motif—versatile! No sharp edges or grooves to splinter or catch the dust. Resists scratches; does not mark or mar. And inexpensive!

Your building plans should include this new, exciting plywood... with its richness and beauty for walls, built-ins, and office fixtures.

This discovery burnishes away the soft grain, leaving a hardwood surface gleaming with highlights and shadows.

Available in 5/16" thick 3 ply panels 4"x8" for interior or exterior use.

Your builder may obtain full information and prices from Davidson Plywood, exclusive manufacturers.
The current bankruptcy in some studio quarters in the coin of ideas is well illustrated in a recently completed motion picture to which all of us shall be presently exposed, "Little Women." Most of us remembered the Alcott book with a certain amount of nostalgia, of course. Since twelve years ago Katherine Hepburn and Paul Lukas starred in a film version of the celebrated classic, and this we also remember with some affection the latest Technicolor version of the story with no affection and with little interest and with considerable acrimony, in fact.

"Little Women," I would characterize as a pastiche, a fulsome, sugar-coated effort of nauseating proportions that pulls all the stops on hokum, whimsey and studied niceness that will revolt even fourteen year olds with its lack of reality and super-saccharine qualities. I liked "Little Women." I liked the Hepburn-Lukas version, principally because Katherine Hepburn did such a wonderful job. Basically, I suppose, this version follows the screenplay of the RKO-Radio film of a dozen years ago, but into it have been poured other ingredients, including the over-heated warmth of phoney Technicolor. For the evil of this thing I would unquestionably blame its producer, Mervyn LeRoy, who has made some outstanding pictures in the past, and to whom this current one is no credit. The four girls are so obviously posed at mother's knee repeatedly, that this one scene takes on the perfection of a geometric pattern. The "Professor," played this time by an Italian trying to affect a German accent, is so badly miscast and so badly directed that he comes off completely unbelievable. June Allyson, who plays the strong, sharp Hepburn part, tries to ape Martha Raye, and does so rather successfully, even to the huskiness of the voice. And there is the thoroughly objectionable Margaret O'Brien who whines her way to her early demise without a moment of honest dramatic conviction, dying of Metro-Goldwyn-Mayer pneumonia so painfully that the audience squirmed. I spend this much valuable space on this picture because I honestly feel that the handling of the Alcott story in this two-million-dollar-effort, aside from the waste of money, is an insult to the picture-goer. I realize very fully that in general Victorian novels—of which this is a good example—are contrived. And it is difficult to get reality into contrived stories. But the contrivance of this instance is compounded with the sweet scent of lavender and the goody-goodness of bright scrubby, and pathos, which makes this all so unbearable. This version of "Little Women." It is my conviction, is a reflection of the current Hollywood dilemma, which dictates that the producer must say nothing and put nothing up on the screen which would offend the most sensitive among us. As far as I can see there never was a reason why this film should have been made.

I prefer to dwell on Screen Plays' "Champion," as stirring and dramatic a film as has reached the screen for years. Produced by a new organization, manned by a group of young men—the oldest of the team which made this picture possible is forty one years old—this film has stirred motion picture circles as few pictures have stirred them. "Champion," based on the Ring Lardner story, is a simple narrative of a ruthless boxer who let nothing and no one stand in his path. The formula is obviously old: but the makers of this picture have refused it with daring freshness and some new ideas and at a budget of one-fifth of "Little Women."

Since I know the principals connected with the making of this film, I can speak with some authority. "Champion" is a classic example of team-work and cooperation among all departments. The actors in the film rehearsed their roles a full three weeks
(on salary) before a camera was turned. Every scene, every foot of the picture was designed in advance by one of the best “production designers” in the business, which means that he sketched out in pencil every foot of the way from beginning to end. He worked with the director, the writer and the cutter before the picture ever went into production. Perfection was planned in advance. Testimony to the brilliance and power of this new film, produced by a group of young, unknown men, is the fact that all of them—director, designer, writer, cutter, star—have been grabbed up by major studios before the picture was released for public exhibition. I say without qualification that in terms of pure cinema, “Champion” is one of the finest pictures to come to the screen in many, many years.

MUSIC

A RECITAL BY MARACCI

Dancing is the most intensively cultivated, the most meaningful of the primitive arts. It is perhaps the oldest of the arts, that one most closely linked with the religious and sexual magic by which awakening group intelligence tries to control or direct the awe-some facts of diabolic circumstance. In its highest development primitive dancing becomes expressive and symbolic, dramatic immediacy with the self-sufficiency of music. In more recent European civilization these two elements, divorced from their religious origin as a part of the Eighteenth Century intellectual revolution, originated an opera of movement, the ballet. Instead of tradition, individual choreography dictated the dance pattern. Entertainment replaced group participation as the motive; the public now danced together in the ballroom; the art of dance went on the stage.

In recent years many dancers, growing dissatisfied with the ornamental conventions of classical ballet, have tried to free their art by making it something more than entertainment. The most obvious solution was to give up entirely the stylized ballet movement and return to a more flowing, physically impulsive use of improvised body gesture. Another solution was to alter current traditional folk dance forms in such a way as to make them effective on the stage. Still another solution was to create a new set of conventions around a different sort of stylization of the expressive body. Combinations of two of these approaches have produced still other varieties of individualized dance. The greater part of this very modern expressive art is already as much lost to us as the early art of jazz. It survives in the motionless gestures of posed photographs, in a few dances handed on by imitation, and in the unsatisfactory records of the several types of dance notation. At the present time the dance, alone among the major arts, exists in fact only in the creative presence of its chief exponents.

For this reason the emergence of Carmelita Maracci for a brief visit to New York and a subsequent appearance at the University of California, Los Angeles, has been a major event in the lives of those few thousands fortunate enough to be in the audience for which she danced. Speaking for New York, John Martin, the authoritative dance critic of the Times, wondered loudly why she had been away so long. In an effort to persuade her to return soon and more often Mr. Martin, after a three week delay to draw sufficient breath, released his feelings in a column of unqualified superlatives: “a unique phenomenon of our time . . . a creator who is almost literally possessed by her creations, a workman of incomparable style . . . the most beautifully styled classic ballet technique . . . a master of the Spanish dance . . . she uses both idioms for a purpose entirely her own . . . the direct communication of emotional experience.”

To string together a group of superlatives is not the best way of writing criticism; it is nearly unavoidable in describing a dance
introducing a new face... to the san joaquin valley

harry hunter--interiors, 846 divisadero, fresno, calif.
... showroom and shop for the best in modern interior furnishings... the work of these noted designers: van keppel-green • nancy mcclelland richard cromwell • gloria stuart • kurt versen hans knoll • jens risom • ben rose • hanson • greef

the b.h. hunters builders, inc.
fresno, california

in the lament for the death of a bullfighter, after lorca's poem, to music by turina, maracci combines into a dramatic montage a variety of representative gestures cumulatively but not individually conveying terror. unlike kreutzberg, who focusses the interest on a single character among presences or phantoms, maracci moves without interval from the bullfighter who strikes and does not kill to the stumbling wounded bull which does not comprehend its agony of hurt. the fear and impotence of the bullfighter, the pain and savage endurance of the bull are involved in one dramatic complex, the symbolic gestures, at first separate, flowing together into a single many-faceted emotion. like episodes in the unending conflict, the unbroken cumulative drama, one sees the wailing women who lament the death of the bullfighter, the fanning women who sit in the stands and watch, and at the end the refined, timelessly feminine gesture of the woman adjusting the black veil at each side of her face before she enters the chapel to pray for the dead.

such a dance-drama of extended, interrelated episodes packs into a few minutes and the movements of one body the several stanzas of the poem, which would have been, in the more usual choreography, the several scenes of a ballet. to convey so much in so short time demands of the dancer the most exact art and of the audience a more than ordinary ability to see, to concentrate, to put together as one feeling experience the continuously flowing changes of gesture and personality. even when one has seen it many times, one is aware in watching this dance that one does not see the whole of it. how, encountering for the first time such overlaid dramatic action in a medium so subtle, is the unprepared onlooker to rise to it?

for one spectator who can grasp at first sight the essential quality of maracci's tragic art there are many who respond without hesitation to her comedy. her wit is exaggerated, parodic play, as when she dances to stravinsky's tango; flamboyant slapstick with the clown's underline of social irony in the carrying dance, portrait in the raw espana, like a goya capricho of an aristocratic bag thriving physically on the bodies of her servants. more representative of her whole art is another goyescas, a dance of flirtation with a hat-tree, the dancer and the object exchanging personalities by the transfer of a hat. here the broad strut of the spanish male dancer is contrasted with the gentler but by no means simpering insinuations of the female dancer.

what may be called an etude, designed for the astonishment of
dancers, is set, surprisingly, to the *Adagiosissimo* of Bach's Caprice for the Departure of a Beloved Brother. With that virtuosity that disdains the show of effort while accomplishing amazing feats, Maracci, in soft slippers, rose to full point position, did *entrechat six riccarduta*, pirouettes in which the passé position is freed into a semi-extension and then into a kneeling position, and a full développé effacé with the sole of the foot presented to the audience through extreme turnout.

Castanets play a part in many of these dances, serving as implement of comedy, voices, breaking into and across the figures of the music, accenting and setting off the physical movement. In *The Nightingale and the Maiden*, to music by Granados, the castanets become the leading voice, the bird, from the first nestling in the hand to the last floating sound, heard out of sight. The dance of the body accompanies not only the song but the motion of the castanets, the bird leading rather than inviting response.

In these and in several other dances, notably the Scarlatti group divided by Maracci with her two supporting dancers, Margaret Henderson and Rosalind De Mille, who share the indescribably fragrant duo of feminine adolescence designed to a Schubert Moment Musicales, the music has been for the choreographer the invitation to the dance. Dance and music are inseparable, the Schubert music personalized, the Scarlatti made more abstract. Between the two extremes rises like a monument of motion and sound the *Classic Dance*, also to Scarlatti music, with its towering climax, the most internally perfect, the most self-contained, the most physically satisfying non-representative abstract dance of my experience.

The climax of the program, balancing the earlier achievement of the *Classic Dance*, came in a dramatic tribute to the woman leader of Spanish loyalists, *La Pasionaria*. This is a recent dance, and for one who had not seen it, the theme carried all the dangers of too sincere but unassimilated propaganda. Instead, from the first run forward with outstretched hand and the repulse, the dance composition explained and dramatized the woman. Alternations of simple expressive movement and distortion carried the abstract pattern beneath flickering lightnings, coming together in a central jota of tremendous dynamic energy. How unforgettable, how insistently memorable is such propaganda that is no longer flat as a poster on the wall but fully described and believable as human action.

To summarize the art of Maracci is to remark how fully she has drawn together the traditions and the ancient expressive and symbolic, almost magical uses of the dance to make dances that are songs, dances that are incantations, dances that are panoramic dramas. In every instance the first impression is the dance, not what it represents, not what it contains, not the virtuosity, the showmanship, the wit: the dance, the physical enlargement of the body by movement, possible only to a great choreographic talent unhampered on a large stage. Then, freed of its dimensions, the body becomes fully representative and plastic, not only the means of art but the unique vehicle, at once art and means.
HANDWOVEN SPLIT REED CHAIRS WITH STEEL TUBE FRAMES CAREFULLY RUSTPROOFED AND BAKED IN A DULL CHARCOAL BLACK FINISH.

TABLES AVAILABLE WITH EITHER GLASS OR REDWOOD TOPS.

VAN KEPPEL-GREEN
9529 SANTA MONICA BLVD, BEVERLY HILLS
"Not a creature was stirring, not even a mouse." Or, are those mice squeakings we hear at the ripe, full granary of democracy? A world, in the midst of the greatest revolution since man first learned to plant seed, bears shocked witness to the localized bickering that delays decisions upon which may well hang the fate of civilized man. These filibustering flowers of our Old South indulge their obstructionist tactics with the grim persistence of juvenile delinquents in an obvious attempt to avoid the responsibilities of their century.

At a time when the democratic system is hard pressed to prove itself the best vehicle of human freedom, regional differences based on a slave psychology are allowed to become an issue more explosive than a pistol at the head of the western world. It seems incredible that it is not completely clear at last that we can no longer tolerate any underscoring of racial inequalities if we are to persuade the world that our way of life is wholly desirable and to be fought for whenever and wherever any enemy presents itself. We ask this of a world which is only now beginning to show the feeblest signs of what promises to be a long convalescence. We ask it to risk its last ounce of strength on a hope that in democracy lies health and goodness and balance and reason. The point we miss is that we need the people of the world as much as they seem to need us and that without them we can form no real bulwark in the defense of the rights of man. Of course, this must really mean the the rights of all men everywhere and certainly includes those in our own Deep South.

It will be hard to explain that this politicking against a civil rights program is part of a regional conflict having to do with social and economic factors that are in the long, slow process of being worked out by people of good will on both sides of the question. On the surface it looks, and certainly will be made to look, as though we are permitting ourselves acts of repression completely at odds with the much-vaunted definition of freedom that we offer humanity. It is not too difficult to see how this will be used in the Far East where it is very probable that several of the greatest decisions of our time will be made eventually; or at the doorstep of our own western world waiting to hear the words that will justify a bitter defense of a way of life; or in the whole of our new southern hemisphere vacillating between defeat and despair and beguiled with the hard bright promise of what amounts to the death of human liberty.

It should occur to those filibustering gentlemen that they have greater obligations than those they so carefully guard for their immediate constituents. It now becomes the deepest necessity that we show very clearly our best intentions to clean up ugly internal conflicts, and it is particularly important that the world be made aware that we think constructively and progressively in terms of the elimination of racial inequalities.

If we believe that the best defense of democracy is the essential quality of the system itself, then it is clear that we can no longer afford to live in disorder in our own house. We are now in the uncomfortable position of the teacher who must measure up to his own precepts. We can no longer be forgiven our self-indulgence in matters which should have been adjusted long, long ago. Whoever says this is an easy thing to do is, of course, a fool. Exactly how we are going to do it no man can really say, but that we must do it in one way or another is one of the most urgent projects of our moment in history. Certainly it cannot be done if there is no unanimity of mind between the leaders of our necessarily complex sectionalism, but there can be neither tampering nor compromise with the great basic principles of a system out of which we claim can be fashioned the best of all possible worlds.

There was a time when patience and indulgence and mere hope stilled the conscience and eased the shame of the deep, dark prejudices that breed in ignorance and backwardness. But now all the stones are being turned over and a very bright and embarrassing and searching light plays upon us from all directions. While it is true that we do do not pretend perfection, there is no hell deeper than that paved with oratory as against performance. In this moment when the whole world is listening, we must be in a position to give assurances of a policy that in the long view will make possible a share in all those things that we so proudly maintain as being the natural right of all men under freedom and justice.

While it may be true that we did not ask for it, greatness, as it is measured in a world of things, has been thrust upon us, and in this battle for the life or the death of an idea we win or lose to the extent of just how much we believe in it ourselves.
The recent project for a California beach house by the young Brazilian architect, Oscar Niemeyer, is the culmination of thirty years of development in architectural design.

This house represents today's final synthesis of two important Twentieth Century stylistic trends: the strict mechanical formalism of Le Corbusier and the Cubist-Constructivist movement, and the organic shapes and free form fantasy of the tradition of Miro and Arp.

The rectangular prism of the main section of the Niemeyer house, raised above the ground on stilts, derives directly from the purism of Le Corbusier. The tightly geometric curves that were part of Le Corbusier's precise architectural idiom in the twenties, and which were expressed both in his buildings and paintings, have been replaced, a generation later, by the less restricted, free shapes of Miro and Arp.

These irregular, free-flowing shapes came into architecture in the thirties in the work of such men as the Brazilian landscape architect, Roberto Burle-Marx. The Niemeyer house demonstrates the successful architectural integration of these complex and varied influences from the related arts.

The process of cross-fertilization by which creative influences are transmitted in the arts remains a mystery despite all that is written about them. Yet the study of the models and drawings may help to suggest how contemporary architecture has arrived at its characteristic visual forms.

The new Brazilian gardens designed by the painter, Roberto Burle-Marx carry the free-form, fantastic tradition of Arp and Miro into direct contact with architecture. They are less "psychological" than the painting and sculpture in this style, since they must approach the utilitarian. They seem to be as direct a translation of non-mechanical abstract painting into gardening terms as the English parks of the Eighteenth Century were of the classical landscape paintings of Poussin and Claude.
The plan

The relation adopted, in accordance with the living requirements as expressed and the local conditions, is very well suited to the terrain and further, which is important, takes maximum advantage of the marvelous view offered by the Pacific Ocean.

With this in mind we tried to avoid, initially, any plan dividing the property into two parts, thus cluttering the view from the entrance (fig 1). Hence, the adoption of isolated and the disposition of ground floor construction contrary to those of the second floor block (fig 2). The solution allowed the living to face the east, protected when necessary by verandas and "sunshades." The bedrooms, which we thought should look toward the sea, were facing to the south, where, provided with windows to the north, this permitting good ventilation and light (fig 3). From the Transport we tried to preserve every part of the building with pleasant atmosphere. The living and dining rooms on the ground floor were connected with the garden and swimming pool by a large "marquee" under which were located resting places and bars, etc., protected against the wind and past plume jams.

A mince room 3 ½ feet above the floor in the living room has also been planned to which will permit dancing around the bar and the swimming pool during parties, the air being reasonably distributed to meet the requirements of the program; the laundry was provided with a dumbwaiter and tubs connecting in directly with the clothes-robe located on the top floor. In the plan the service as well as the main apartment are connected to the remaining part by means of external stair, aided also as a convenience to the upper floor in the case of future private and pleasant verandas. Please note the long passage to protect externally. Easy to handle they will enable to control the rays of the sun and ensure light with shutting out vulnerability. In the bedrooms they will work as curtain giving light protection and privacy.

Architecturally, the solution is simple and pure, composed by two definite forms: one formed by a rectangular block, corresponds to the second floor and the other contracting with the first one constitutes the grand floor construction. Thus, paintings have been planned not as independent elements, but an integrating part of the whole - enriching and completing.
The curving main floor wing of the house by Oscar Niemeyer is almost like an elevated section of the Burle-Mars landscape plan, scarcely distinguishable, in its abstract shape, from the garden. The contrast with the Le Corbusier-derived rectangular prism of the raised living quarters is deliberate and dramatic. The biomorphic shapes of Arp and Miro have come the full way from three-dimensional experimentation to large-scale architectural expression, incorporated finally in the structural shape of the building itself.
Looking north toward the hill and retaining wall into what will be an 18' high living room—the roof joists will remain exposed.

The 1½-ton steel frame shown was erected in a day and a half with a total of 90 man hours.

CASE STUDY HOUSE FOR 1949: the steel frame

DESIGNED BY CHARLES EAMES

consulting architect: kenneth acker
general contractors: lamport, cafer and salzman

This cross-section through the structure and retaining wall shows the joists condition at both the two-story and the 18' high bay. Exending 18'0" above the finished floor lines are two rows of 4" H columns 20'0" apart—these are spaced to form 7'4" bays. The west row is half embedded in the eight-foot concrete retaining wall. At the 18' height of each column and spanning the 20'0" width are 12" Republic steel open web joists. Approximately half the 7'4" bays are divided into two floors by open web joists at the 8'0" height. Republic's Ferro-bord steel decking spans the 7'4" between joists to form the roof.

This is the Case Study House for 1949 in the stage when it is a concrete retaining wall and a steel frame set into a hill behind a row of eucalyptus trees.

It shows itself here as a natural and unaffected development of a modern building idiom—while much of its present character will be lost, some will be saved. New elements will gradually take over—the danger comes from the possibility of many new elements taking over. The house is in two units, one of eight bays and one of five, with an open court four bays wide separating the two. An eight-foot retaining wall parallels the slope of the site and forms the lower part of the west wall of the house.
Above: looking south through the structure toward the sea—the retaining wall is on the right.
Below: the sheer connections and the open web pattern of the joists set the character of the structure.
The house by architect Patrini is on the outskirts of Novara, Italy within the boundaries of a textile works, and it was built for its manager. Unfortunately, the desolate countryside and environment were not ideal for the development of free architecture. However, by the architect’s capable intuition and light linear conception, the house did not develop into an isolated bunker in a defensive position, but it arose white, clean and open to sunshine and light—a source of pleasure to those who live in it and to those who look at it.

The plan is extremely simple: on the ground floor are the hall, the living rooms with ample windows overlooking the garden to the south, the kitchen and utility rooms. On the first floor are the bedrooms and bathroom. The terrace is not the usual concrete floor; it is more like a garden, as on the ground a layer of earth 40 centimeters deep provides for a permanent and rich vegetation. The beams over the terrace, besides their structural function, also act as support to the foliage. The front is sheltered from the sun by a cantilevered overhang.

The framework is concrete. The external window frames are metallic. The pillars, moved back from the perimetral walls, allow for continuous window openings. Wooden floors are used in the bedrooms and living rooms, marble mosaic floors are used in the corridors and in the utility rooms. The outside is terranova plaster and window frames are painted green. The building is based on a one-metre module.
CASE STUDY HOUSE #3

WURSTER, BERNARDI AND EMMONS architects
The street side of the house is well designed to protect its inner privacy. A grape stoke fence creates the private area for the children's bedrooms.
This house, originally intended for the flat area of the La Canada district, was subject to an unavoidable circumstance which changed its location to a two-acre site which opens to views through canyons to the distant mountains. It is now in Mandeville Canyon in a section which was once a botanical garden. The location secures the house against encroachment of other buildings, and, while the approach may be considered difficult, the reward of privacy is one of its more desirable features. Away from any possible passing traffic and its attendant noises, the house exists in a completely quiet area.

Designed for two adults with two children, the plan is a sensible, easy arrangement, beautifully adapted to the informalities of California life. An enclosed porch which is in reality a complete living area divides the working and living section from the sleeping, rest and quiet area. The latter consists of two small bedrooms and one large master bedroom, planned in such a way that parents and children are reasonably separated.

Each bedroom has a private outdoor entrance. The two small bedrooms share a communal enclosed garden through which the youngsters can, if need be, escape unnoticed. The master bedroom has its own dressing and bathing area with double lavatory and a glass-enclosed tub shower. The floor of the master bedroom is covered in a beige carpeting with draperies in both bath and bedroom of rough, linen-textured beige fabric. The children's rooms, one with deep blue-green walls and coral draperies and the other with beige walls and dark green draperies, face the other side of the canyon.

The connecting porch or garden room serves as an entry, recreation and formal dining area, or as an indoor patio. The floors are terra-cotta tile, partly covered with beige colored hemp rugs. Weather permitting, the large dual glass doors slide open creating a protected half-outdoor area. The entire back of the house faces the park-like canyon filled with sycamore, holly trees and native hill growth from which the general color scheme of the house has been derived. In the living room the ceiling is gray-green, as are the draperies. The walls are of etchwood paneling washed with gray-green. The carpeting is the color of the tobacco plants on the slopes of the canyon. The living-dining area looks out on its own patio of terra-cotta tile and lawn area. The service section of the house consists of the kitchen and an equally sizable work room and an adjoining bath. A door leads directly from this area to the garage which has been supplied with ample storage space.

The exterior of the house is aluminum siding applied vertically and painted light gray-green with the overhangs in brown. Steel sash has been used for all large window openings where the ceiling height is approximately eleven feet. The house is on a concrete slab with wire mesh over a four-inch gravel fill. Two forced air heating units have been installed to serve the living, dining and garden rooms, with a separate unit used for the bedrooms. The interior of the house is dry-wall construction. The roof is gray gravel with two sky-lights, one over the garden room and the other giving light to the bedroom hall area.
Left: The dining area, out of the general traffic line, borrows a richness of space when in use. The draperies in this area are of the same fabric and color as those of the living room. Below: The free relationship of the living and garden room adequately separates the social activities of both parents and children. The paneled walls maintain a consistency of pattern throughout the living-dining-garden room area, giving this entire section of the house unity.
Below, left: From the lanai into the dining area that opens to exterior paved area. Right: A comprehensive view of the living terrace through the ten-foot-high glass opening, looking to the hills of the canyon park. Lower right: The garden room with its large louvred-skylight becomes an informal open room through the use of the large sliding window areas. Chairs of rust-resistant metal with string upholstery and metal tables with glass tops are by Van Keppel-Green.

all photographs: Julius Shulman
Case Study House No. 3 is located at 13187 Chalon Road in Mandeville Canyon. It may be reached by going west on Sunset Boulevard to Mandeville Canyon Road. Turn right and proceed to 2400 block, then turn sharply left on Chalon Road and go up hill over narrow road to the house. The house will be on exhibition in April, and dates and hours of showing can be secured by calling the office of the magazine.

A complete list of merit specified materials used in the house will be found on page 44 of this issue.
Opposite page: Views of the garden room. It is here that the informality of the house is most clearly defined, since it is a common meeting ground for the general social activities of the house.

Above: The master bedroom looking out to what will become a planted, green-walled patio. This area is completely private from the other activities of the house, and it is insulated by good planning from the noise and clutter of children and guests and inquisitive milkmen.

Right: The kitchen, a generous well-lighted work area with a convenient and not-too-cramped space for informal eating. The kitchen is a part of, though separated from, a workroom which includes not only the necessary household utilities but also space and storage for a variety of home hobby work.
This house is typical of those being designed for the Mutual Housing Association. The model homes that are planned, are the result of a thorough study of the various site conditions in Crestwood Hills.

Literally, there are no two sites alike, as the terrain varies from flat to quite steep. Some homes are on ridges, others in valleys, and obviously no standardized house or houses would be adaptable. On the other hand, if the advantages of cooperation were to be realized, it would not be practical to design 500 different homes. The solution to the various hillside conditions is shown in a basic design which employs a rigid wood frame above the floor, allowing a choice of concrete block footings, piers, or steel beams, dependent upon the terrain conditions. The Pilot House is designed to fit an uphill site condition. The living level is approached from an entrance landing 10 feet below the main floor. This landing, which also serves as a floor for car parking, resolves into a stepped planting court leading to a higher terrace. From the vantage of this upper level, circulation is directed to a bridge turning back over the stepped planting court to the house. Access is also possible from here to a living terrace and to a utility yard. Entrance to the house occurs at a point which facilitates movement to the three major areas of the dwelling: social area, kitchen and sleeping quarters.

Basic Structure and Material: The house is built of rigid wood frames with exposed posts and beams, plank ceilings and floors; with walls composed of plywood, glass and concrete block. The block resolves into foundations and retaining walls. Frameless sliding glass windows have supplementary sliding plywood ventilators above the low deck. Finish is of natural stains throughout. Kitchen and bathroom walls are bakelite varnish for easy maintenance. Zoned heating is provided by two wall heaters with thermostats in cold air return.

Plan: Living room circulation is restricted to the corner which meets the ground and thus leaves the view seating alcove and study alcove free of disturbance. A generous kitchen allows space for movable tables for food preparation, children's and guests' meals. From here, the building reaches back to the ground again, and the laundry and children's bedroom expand into courts against the hill.

Living Room: Combined within one room is the social activity zone consisting of the living, dining, and study areas. Built in the living area is continuous parapet storage, and a part fixed-part flexible lounge. Both direct and indirect light is provided. The study is a corner combining a built-in desk, bookcases, and radio phonograph. The dining space may have movable tables which can be set up in the kitchen, dining, or living space. The activity zone expands to an outdoor terrace through a sliding glass door.

Bedrooms: Space is adequate for either double or twin beds. Parapet storage, a small makeup table, and a generous wardrobe are built in. All wardrobe doors may be opened at once, and their backs provide additional useful space. Indirect light above the wardrobe lights both room and wardrobe.

Kitchen: Separated from the dining area by a serving counter, is the kitchen. Below view windows is a stainless steel sink, with garbage disposal unit, and plastic topped counters. Close by are the range burners with exhaust fans above, and a separate, work height oven unit. Ample storage is provided. The walls are washable, and the cork floor resilient.
A. QUINCY JONES
WHITNEY R. SMITH
EDGARDO CONTINI

architects
and
engineers

MUTUAL HOUSING'S PILOT HOUSE
The controls provide fully automatic 24-volt thermostatic control, fan and heat switch, safety pilot, ventilating switch; and all internal wiring is completed to a built-in terminal box. Filters are mounted in the return air inlet of the furnace removing dust, pollen, lint, other foreign matter. Access doors provide means for check on all internal parts.

Adams-Rite has incorporated desirable features in a sliding door lock, Rite-Lock, Series 500, used in CSHouse Number 3. The lock is adaptable to doors of either hand, is a single assembly, requires a small notch of 5-5/16" x 2-5/8" in the stile. The strike mounts on the surface jam. Exposed parts are solid brass. Four standard finishes are available. For security a pin tumbler cylinder operation in the escutcheon is optional. The lock incorporates an edge pull arrangement, allowing additional flush pulls. Available as separate appliances, the Merit Specified Kaiser 5-Minute Dishwasher and Kaiser Disposal Unit are also made available in the Kaiser Timesaver Combination Sink Unit, which completes in one installation the preparation and clean-up center where most of the homemaker's work is performed. The new porcelain-toilets and-omination features a vegetable-spray attachment, a mixer faucet, capacious sink, four access doors to the steel cabinet, and ample dust-free storage space. The Timesaver is a 48-inch long unit which fits into the same counter space as an ordinary cabinet sink.

The two Gulistan carpets, Renaissance and Symphony, in Case Study House Number 3, represent advanced post-war carpet trends. Carpets are in a single color. These contemporary weaves, each woven by a patented process, bring exciting new interest to single color carpets. This richness comes from the treatment of the texture. Renaissance is a sculptured carpet and the relief effect is created by cut and undulate the single pile. The relief effect is heightened texture interest. Symphony is woven on four levels of heavy looped yarn. Its deep texture gives the room an atmosphere of soft luxury. The colors are contemporary, ranging from the popular pastels of gray, green, rose and beige, to the vibrant modern decorative colors of Maraschino Red, Turquoise Blue, Willow Green. Schlage Cylindrical Locks are used throughout CSHouse Number 3 for interior doors. In the Schlage cylindrical type of construction, the entire lock chassis is a single unit assuring dependable operation and simplifying installation. Schlage Locks are designed to provide quick, convenient locking. The simple action of turning or pressing a button will securely lock the outside knob and yet the inside knob always remains free for immediate exit. All exterior parts are solid brass, bronze or aluminum. Interior working parts of steel are zinc-plated and dichromated for maximum resistance against corrosion. All Schlage Locks are precision built to insure lasting smooth performance. They are produced in a wide variety of designs and finishes.

Kaiser Aluminum Clapboard Siding, a product of the Permanente Metals Corporations, Oakland, Calif., used on the exterior of CSHouse Number 3, is comparable in cost to wood clapboard siding. Applied horizontally or vertically with equal ease, the slightly concave face of this new siding gives the metal sufficient rigidity to overcome any tendency to ripple and makes possible a spring-tensioned locking joint insuring weatherproofness and presenting an attractive deep shadow line.

Further construction economies are possible due to the light weight of the material. No special tools are required. Of special interest are the maintenance economies this siding provides. Aluminum is fireproof, rustproof, weatherproof, termite and ratproof. A coat of paint will not blister, scale or crack on aluminum. According to estimates, will last three to five times as long as paint on wood.

Richkraft Skufpruf Heavy Duty was used over sheathing as a moisture vapor barrier and as a roofing dry sheet. Richkraft Skufpruf Heavy Duty is a strong, tough, waterproof, windproof, scuffproof, and shrink resistant paper. It helps provide protection against the weather.

Skufpruf was also used to cure and protect the concrete floors on the job. A covering of Skufpruf permitted construction to continue during the curing process without injury to the slab. Skufpruf is available in rolls 3', 4', 5', 6', 7', and 10' wide through retail lumber and building material dealers. Richkraft Skufpruf Heavy Duty is manufactured by The Richkraft Company, Chicago. There are 35 bathroom cabinets and 76 accessories in the Miami Carey Line which was used in CSHouse Number 3. Manufactured by the Miami Cabinet Division, Philip Carey Company, Middle­town, O., these cabinets are known for their beauty and quality. Plate glass mirrors, concealed cabinet lighting, all steel construction, permanent finish, piano type hinges and other features are included in every Miami Carey bathroom cabinet.

CSHouse Number 3 contains two of the most modern improvements in heating developed since the war. Heat is controlled by means of an automatic clock thermostat and is distributed through a revolutionary type of wall register. The thermostat, called a Chronotherm, was developed by the Minneapolis-Honeywell Regulator Company. It automatically turns the heat down at any pre-selected hour every evening and raises it again in the morning before the occupants of the house arise.

The Chronotherm makes possible fuel savings of 10 or more per cent a year, provides extreme sensitivity in temperature control and, because it automatically turns up the heat in the morning, permits the home owner an additional hour of sleep each day. Further, occupants can wake up to a warm and comfortable house. In addition, the Chronotherm includes an attractive and accurate electric clock.

The new wall registers used in Case Study House Number 3, also developed by Honeywell, include technological advances originally developed for use in air conditioning systems. The registers are smaller than conventional warm air outlets yet handle the same load. Unique design of the dampers, concealed within the registers, makes possible draftless and silent air distribution while the curved face of the register itself moves the air in a wide pattern fully blanketing a room rather than sending a narrow path of high velocity air into the area to be heated.

Bathrooms in CSHouse Number 3 are assured of comfortable heat with Thermador model "RB" heaters. They sell for $14.80, including wall can, have a life-time stainless steel grille, special chrome reflector and a switch at top of the heater, and provide instant heat. They have been used in over a hundred thousand homes. A bathroom requires high room temperature to assure comfort to the unclothed occupant at any time of the day or night. The actual total hours a bathroom heater is on is low for a year, generally 100 hours; thus, a low operating cost is inexpensive insurance for health and comfort.

The air cushion arrestor used in CSHouse Number 3 is a new device that automatically provides a permanent air seal for the entire domestic water system. Easily installed, it supplies a remedy for even the worst case of "water hammer" without service or attention. It materially lengthens the life of faucet washers, valve seats and the entire plumbing system.

Housewares manufactured by Ekco Products Company are displayed in CSHouse Number 3. These pressure cookers, Flint cutlery, stainless steel copper batter utensils, kitchen tools and other kitchen needs have been designed with an eye to beauty as well as function. The Chronotherm makes possible fuel savings of 10 or more percent a year, provides extreme sensitivity in temperature control and, because it automatically turns up the heat in the morning, permits the home owner an additional hour of sleep each day. Further, occupants can wake up to a warm and comfortable house. In addition, the Chronotherm includes an attractive and accurate electric clock. The new wall registers used in Case Study House Number 3, also developed by Honeywell, include technological advances originally developed for use in air conditioning systems. The registers are smaller than conventional warm air outlets yet handle the same load. Unique design of the dampers, concealed within the registers, makes possible draftless and silent air distribution while the curved face of the register itself moves the air in a wide pattern fully blanketing a room rather than sending a narrow path of high velocity air into the area to be heated. Bathrooms in CSHouse Number 3 are assured of comfortable heat with Thermador model "RB" heaters. They sell for $14.80, including wall can, have a life-time stainless steel grille, special chrome reflector and a switch at top of the heater, and provide instant heat. They have been used in over a hundred thousand homes. A bathroom requires high room temperature to assure comfort to the unclothed occupant at any time of the day or night. The actual total hours a bathroom heater is on is low for a year, generally 100 hours; thus, a low operating cost is inexpensive insurance for health and comfort.

The air cushion arrestor used in CSHouse Number 3 is a new device that automatically provides a permanent air seal for the entire domestic water system. Easily installed, it supplies a remedy for even the worst case of "water hammer" without service or attention. It materially lengthens the life of faucet washers, valve seats and the entire plumbing system.
Look at your doors... everyone else does

RODDISCRAFT... QUALITY AT A GLANCE

You'll be proud of your doors if they are Roddiscraft Flush Doors. Roddiscraft Doors are smooth—in the modern manner. Finished in beautiful veneers, they are adaptable to any interior design and make the warmth and beauty of wood an integral part of your home.

You don't change doors like you change paint and paper. So be sure they are Roddiscraft for permanence. Roddiscraft construction guarantees long life and lasting beauty.

The skill and craftsmanship of more than a half-century of working with wood is built into every Roddiscraft Door.

Roddiscraft
RODDIS CALIFORNIA INC.
LOS ANGELES, CALIF. 2860 E. 54
SAN FRANCISCO, CALIF. 345 Williams Ave.
NEW WASHABLE STANDARD FINISH

We believe that use of the exclusive washable standard finish on Simpson Acoustical Tile is one of the most progressive steps ever taken in the manufacture of perforated fiber acoustical tile. This conclusion has been reached after demonstrating the spectacular Simpson "pencil test" to scores of architects and contractors. They were amazed! You, too, will marvel at the way dirt is easily removed from this washable standard finish with only soap and water... without affecting the finish! Lowers maintenance costs! Give your clients this plus value by specifying Simpson Acoustical Tile.

SIMPSON ACOUSTICAL TILE

Try This Remarkable Pencil Mark Test

To test this amazing new standard finish, mark the gleaming white surface of a piece of Simpson Acoustical Tile, having the new finish, with an ordinary pencil. Rub it with a damp soapy cloth. The pencil mark comes right off without affecting the finish!

SIMPSON ACOUSTICAL TILE WITH EXCLUSIVE HOLLOKORE-DRILLED PERFORATIONS

THESE ARE SIMPSON ACOUSTICAL CONTRACTORS OFFERING A COMPLETE ACOUSTICAL SERVICE

ACOUSTICS NORTHWEST
BUILDERS EXCHANGE BLDG. PHONES: ATRAN 4-6643, PORTLAND, ORE.
ANGELES INDUSTRIES
984 Mcgorry St. Phone: Trinity 8121 Los Angeles, Calif.
ACOUSTICS NORTHWEST
98 McGarry St. Phone: Trinity 8121 San Diego, Calif.
M. H. BALDWIN
1720 Kettner Blvd. Phone: Franklin 634 South Western Ave. Phone: 1780 Kettner Blvd. Phone: 8121 Los Angeles 21, Calif.
ASBESTOS PRODUCTS COMPANY
34.5 Vermont St. Phone: Market 1-0411 San Francisco 3, Calif.
COAST INSULATING PRODUCTS
331 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
CRAMER COMPANY
155 Yen Ness. Phone: 3-1131 Fresno, Calif.
CONSOLIDATED ROOFING & SUP. CO.
336 South 7th Ave. Phone: 47888 Phoenix, Ariz.
CONSTRUCTION SPECIALTIES CO.
2028 Arcada Street. Phone: Alpine 4819 Denver, Colorado
CONTINENTAL LUMBER CO.
P.O. Box 237. Phone: 4-50 Boise, Idaho
CRAMER COMPANY
520 South 7th Ave. Phone: 47888 Phoenix, Ariz.
CRAMER COMPANY
1720 Kettner Blvd. Phone: Franklin 634 South Western Ave. Phone: 1780 Kettner Blvd. Phone: 8121 Los Angeles 21, Calif.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOTT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
E-210 Riverside Ave. Phone: Main 1249, Spokane 8, Wash.
ELLIOTT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOTT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOTT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
ELLIOIT BAY LUMBER CO.
600 W. Spokane St. Phone: Elliott 8831, Seattle, Wash.
CURRENTLY AVAILABLE PRODUCT LITERATURE AND INFORMATION

Editor's note: This a classified review of currently available manufacturers' literature and product information. To obtain a copy of any piece of literature or information listing any product, list the number which precedes the item and return the coupon which appears below, and give your name, address and occupation. Return the coupon to Arts & Architecture, and your requests will be filled as rapidly as possible. Items preceded by a dot (*) indicate products which have been specified in the March, 1949, House Beautiful Program of the magazine. Items appearing for the first time this month are set in bold-face type.

APPLIANCES

- (560) W. R. Ames Company: Information Ames revolving shelves for kitchen cabinets, coolers; sturdy aluminum construction; easy to install without rebuilding cabinets; turns at a touch, eliminating stooping, climbing,rummaging; sanitary, anti-proof; sizes for all standard cabinets, coolers, sensible products.

- (669) Blackstone Corporation: Brochure, folders, data sheets Blackstone Combination Laundry; washes, dries, irons automatically; counter height, counter depth, only six inches of wall space; rated best by Consumers Union; very good design; should be in every ordinary kitchen.

- (469) Coolateur Company: Brochures unusually well designed, engineered 8" cubic foot refrigerator; gives maximum storage space, including 48" built in frozen food locker, 5 ice trays; also 15 cubic foot heavy duty horizontal food freezer; thermostatically controlled temperature 5 degrees below to 5 degrees above zero; includes 5 year parts and labor policy; both used in CSHouse Number 18.

(365) Eck Products Company: Data, and information. Splendidly designed, weighted kitchen tools, knives, can-openers; also pressure cookers; these belong in contemporary kitchens, are used in all CSHouses.

- (641) Finders Manufacturing Company: Brochure, folders, line of Hollwood electric table appliances, including grill, broiler, waffer-grill; well designed, well engineered; merit specified E.C.S.

- (555) Utility Appliance Corporation: Brochure Gaffers & Sattler chart; easy ranges, all sizes; automatic low-temperature even control, no-lift racks, single-toasting broiler; triple-click top burner controls; divided top with griddle; CP; well engineered, approved; merit specified CSHouse Number 1.

(722) Western Stove Company: Folder on Western-Hollywood ranges explaining: "Choose Your Own" features by which specifications of any one of 500 models can be duplicated; consumer adjustable features; price competitive; top notch engineering and designing; immediately available; merit specified.

- (472) Kaiser-Fleetwings Sales Corporation: Brochure, full information new automatic food waste pulverizer; odorless, clong-proof, safe; disposers of bones, fruit pits, fibrous foods, fits sink drain; manufactured in west and readily available; used in CSHouse Number 18.

- (432) Berger Manufacturing Division, Republic Steel Corporation: Brochure, steel kitchen cabinets; merit specified for CSHouses Numbers 9, 9; efficiently designed; drawer glides on ball bearings; removable adjustable shelves; insulated against metallic sound; tongued and grooved, two coats of enamel.

(731) The Formica Company: Brochure covering entire operation required for building sink cabinet tops, dinette and coffee table tops, sanitary units and built-ins where Formica is utilized; materials, tools, and equipment required; gluing, pressing, edge and finishing equipment; according to factory tested methods.

- (119) Formica Insulation Company: Folder Formica cabinet tops; colorful, spot-proof, durable, sanitary; does not chip, crack, break; not injured by alcohol, fruit acids, ordinary alkalies; withstands 75 degrees Fahrenheit; wide color range.

- (526) Frank Brothers: Full information Morton and American lines metal kitchen cabinets; good contemporary design; endless combinations of units; full specification service available.

- (493) Hotpoint, Inc.: Hotpoint kitchen and laundry installation manual; complete manual illustrated to show proper ways of affixing Hotpoint cabinets; list of connecting Hotpoint appliances in a kitchen; particularly valuable to archi­ tects, builders.

- (481) Mutschler Brothers Company: Full details well designed Perma-Bilt Hardwood Kitchen Cabinets; same precision construction as steel cabinets; with all advantages of wood; continuous, heavy top quality tops, rotatable corner cabinet, recessed sink front; any color; comes ready to install; a remarkably good product meriting close study.

DRAFTING ROOM EQUIPMENT

- (458) Cleartop Paper Company: Information new Papercloth as substitute for tracing cloth; marked stability under all atmospheric conditions, resists stretching, shrinking, bending; takes ink, pencil well, erases easily; not damaged by folding; samples available.

- (456) Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (496) Emerson Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (537) Formica Insulation Company: Brochure, information Cannon Electric Manufacturing Company: Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (496) Emerson Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

ELectrical EQUIPMENT

- (458) Cleartop Paper Company: Information new Papercloth as substitute for tracing cloth; marked stability under all atmospheric conditions, resists stretching, shrinking, bending; takes ink, pencil well, erases easily; not damaged by folding; samples available.

- (456) Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (496) Emerson Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.

- (495) Cannon Electric Manufacturing Company: New master catalog Emerson fans, ranging from 12" to 14" fans to kitchen and restaurant exhaust fans; 32 pages give design, construction specifications, performance data, dimensional information; one of top lines in field well presented.

- (495) Cannon Electric Development Company: Cannon Pathfinder Light designed to illuminate doorways, garages, steps, pathways; light below eye level is thrown downward; well designed, engineered, practical.
At last... the Answer to One of Architects’ Most Annoying Problems!

How to overcome cold floors economically in non-basement homes... particularly those with extensive glass exposure and high ceilings, is a problem that has always pestered architects. Forced air, of course, is the ideal heat but heretofore it has been considered too costly for the average home. Now, for the first time, you can offer your clients the luxury of forced air heating, at a price any home owner can afford... with the new Payne Panelair. Panelair operates on new principle. Delivers steady flow of warmed air, at floor level, directly to 3 or more rooms... ends old floor discomforts and gives the feeling of all-over warmth that is the basis of genuine comfort. Panelair can be hidden in a wall. Operation is fully automatic.

Panelair also provides the most desirable heating for countless commercial buildings, shops, offices. Mail coupon for free plan book showing how Panelair is adaptable to virtually any floor plan.

Payne also Offers... For non-basement For basement homes — homes — SENTRY (forced air) SENTRY (forced air) SPACESAVER GRAVITY FURNACE (forced air) FLOOR FURNACES... CONSOLE

The Payne line is so complete you can always provide your clients with the correct unit for best results, at least money. Payne has achieved nearly 40 years’ leadership in the gas heating field through advanced engineering, finest materials, precision workmanship, dependable operation.

PAYNE FURNACE DIVISION
Affiliated Gas Equipment, Inc. Beverly Hills, California

(533) IgE Electric Ventilating Company: New “work book” on kitchen ventilation; complete treatise modern kitchen ventilation; remarkably well prepared, giving full data of requirements for kitchen ventilation, ventilation other rooms; features IgE built-in, portable and beautifully designed units and stand-up ventilating fans; “must” data.

(711) Manning Manufacturing Company: Sa-V-T-Plug wall receptacle permits electrical contact only on twist of plug; eliminates danger of shock, foot-proo, durable, inexpensive.

(402) Northern California Electrical Bureau: Data-packed 16-page, two-color brochure electricity in house plans; check list, suggestions for every room, typical floor plans, adequate wiring information; practical, factual, best type of information.

(713) S & M Lamp Company, Inc.: “Red Cap” Flood-Lite for use at night; plugs easily as toaster; weather proof, corrosion resistant aluminum light when and where you want it for safety, protection and economy; very good product, excellent selection of styles and models.

(497) Westinghouse Electric Corporation: New 12-page booklet wiring diagrams and kitchen layouts; plans for both L-shaped and 2-story feature houses meet recommended cabinet, counter surface requirements; gives specifications, dimensions for refrigerators, sinks, range, water heaters, cabinets, other equipment; valuable data.

(607) The Wiremold Company: Brochure illustrating installation and many uses for Pluggable, wire raceway with plug receptacles on 6” or 18” centers, tiles neatly over ordinary baseboard, ample power supply when and where needed.

FABRICS

• (485) Bolta Products Sales, Inc.: Information and samples Boltaflex, all-plastic upholstery fabric blending quality, toughness; good colors, soft to the touch, spectrum of 51 colors; will not crack, chip, peel, stain under normal conditions; stretch, sag; good product worth study.

• (301) Brusselsch & Filis: Information one of best sources of contemporary fabrics; wide variety of textures, colors, designs; Worth appraisal.

• (428) Chesebro Brothers: Information contemporary line textured fabrics; new emphasis on modern textures, weaves, colors.

(549) Frannie Dresel’s Studio: Information contemporary line of best sources fabrics hand printed to specifications of architects, decorators; fabrics have won solid recognition in contemporary circles.

(567) Goodall Fabrics, Inc.: Folder Goodall wrinkled-resistant bedspreads in wide range textures, designed, color styled by Dorothy Liebes; contain Artura moiré, are not bulky, color fast, preshrunk, custom hemmed; standard 72x106 and 60x106 inch sizes; special widths to 92 inches.

• (486) Greiff Fabrics, Inc.: Information wide line exciting contemporary fabrics; interesting textures, designs, colors; imported, specified for stores; Year Number 7, definitely worth investigating.

(303) Boris Kroll: Information good contemporary line textured fabrics; available Beverly Hills, San Francisco, Chicago, New York; interesting weaves, colors; worth investigating.

• (407) Latune Division, Chicopee samples Latune woven plastic fabrics that can’t fade, stain, scuff; wide range colors homogeneity, many weaves, patterns; ideal for furniture upholstery, especially garden furniture; handles easily and does not “cup.”

(733) The Masland Duraleather Company: In re nt ly developed “Durale Adhesive” merits consideration of architects and decorators; permits lamination of DUR-AN to woods, metal, plywood, wallboard, plaster, glass, and stone surfaces practical and useful solution to many problems.

(305) Pantasote Corporation: Free swatches, information Pantasote coated upholstery fabric; virgin vinyl; wide color range; new product worth investigating.

(539) Reg-Wick Hand Woven Originals: Information custom designed handwoven upholstery, drapery fabrics; colors dyed to order; good contemporary designs, fabrics; several national awards; worth investigating.

(444) Ben Rose: Information one of best designed lines hand-printed contemporary fabrics; intelligently handled, good colors, textures.

(306) Textile Corporation: Brochure Tolex upholstery, wall covering plastic leathercloth; tailored, well, cleans easily, stain resistant; wide color range.

FLOOR COVERINGS

(453) Bigelow-Sanford Carpet Company, Inc.: Information Lok-weave Group patent coverings; tufts are locked in, cannot pull out; no sewn seams, damaged, worn areas easily replaced with leftover pieces.

(219-A) Gladding, McBean & Company: Information most contemporary line of best designed lines hand-printed contemporary fabrics; essentially handles, good colors, textures.

(309) Klearflex Linen Looms: Catalogue, brochures probably best known line contemporary rugs; exceptionally wide range colors, fabrics, textures.

(343) Oregon Flax Textiles, Inc.: Descriptive brochure Flaxflex all-linen rugs; unique texture from “twist-tie” strands fine flax; long wearing; seven warm colors, no patterns.

(308) Paraffine Companies: Pleasant 4-color booklet “Palace Floors the Modern Home”; suggests treatments for floors of all rooms in house; practically suggests colors, patterns.

(685) The Roberts Company: Four-color brochure for sales purposes, shows by comparative photographs the more attractive appearance of smooth-edge applications as compared with other carpet installation methods.

(310) Shelley’s Flooring Coverings: Information one of best retail sources contemporary carpets, rugs; ranges from lowest looms; new weaves, textures, colors.

(487) Alexander Smith & Sons Carpet Company: Well executed 24-page four-color brochure on Alexander Smith &
Sons rug, "Colorama," Clara Dudley's color idea book; emphasizes, explains colors, textures, patterns one of most widely known lines; many good plain colors; definitely worth study, file space.

- (620) Tile-Tex Division, The Flint-Kote Company: Printed color charts, 4" x 4" samples Tile-Tex asphalt tile, featuring new line of colors; colors have national survey by color experts to determine color preferences; wide range of colors immediately available, including plain and neutral colors; good source of data.

FURNITURE

- (412) Aalto Designs: Information one of oldest lines contemporary furniture; made in Sweden; available several West Coast. Eastern outlets.

- (311) Barker Brothers: Information Multi-Unit Paciﬁc Modern furniture; built-to-order measure, fits any floor plan; budget priced; deﬁnitely worth investigation; good approach to contemporary furnishings.

- (559) Barwa Associates: New illustrated catalogue of one of America's most revolutionary chairs, the Barwa; winner of three design awards in 1947-48; merit speciﬁed in CHouse Program; worth investigation.

- (569) Cabanias of Denver: Information source of good contemporary furniture in five Rocky Mountain states, including Aalto, Eames, Van Keppel-Green; also lighting fixtures by Verpan, ceramics by Beatrice Wood, fabrics by Ben Rose.

- (583-A) Cannell & Chaffin: Information several of best lines of contemporary furniture and good contemporary decoration service; one of oldest and best sources of information and services, having to do with interiors.

- (714) Certiﬁed Chrome: "A-Just-Rite" chrome dinette chair, adjustable by a ﬂip of seat to a four-inch higher level; ideal for growing children and workshop usage; tested upholstered, no sharp edges.

- (645) Claywood Design Products: Bochun line inexpensive modern furniture for homes, ofﬁces, stores, clubs, institutions, shops, chairs, desks, ﬁnished in hard clear lacquer or solid colors; designs by Clayton Lewis; western manufacturer; immediate delivery.

- (435) Drexel Furniture Company: Information new clean line contemporary furniture designed by Edward J. Wormley; living room, dining room, bedroom; forty pieces, well integrated.

- (312) Dunbar Furniture Manufacturing Company: New booklet covering modern furniture, decoration featuring Dunbar furniture designed by Edward J. Wormley; considerable attention to accessories; requires 25 cents in stamps for delivery.

- (769) Edgewood Furniture Company: Catalog of the William Armbruster collection of modern furniture "designed by an architect—for architects" lists, speciﬁcations and prices; gives small past-up pictures for architectural layout; deserves file space.

- (333) Ficks Reed Company: Catalog contemporary Maly Modern and Amber Ash furniture; versatile, good especially for recreation rooms; indoor quality; one of best lines informal furniture.

- (314) Frank Brothers: Information top retail source best lines contemporary furniture; designs by Charles Eames, Alvar Aalto, Gilbert Rhode, Isamu Naguchi, George Nelson; complete contemporary interiors service; upholstery and drapery shop.

- (436) Functional Furniture Manufacturers: Illustrated brochure new functional line tables, chairs using molded plywood on mass production basis: clean, strong, light.

- (569) Ingram of California: Contemporary cocktail, dining and end tables, laminated plastic top are alcohol, cigarette and stain resistant and come in choice of three solid colors—black, brown or green; satin ﬁnish, hardwood legs in ebony black and natural blonde; worth investigation.

- (437) Knoll Associates, Inc.: Information one of best lines authentic contemporary furniture; chairs, tables; string, strap, fabric upholstery; wood or metal chair frames.

- (705) Leyton Furniture Company: Originals by Maximalian, complete line, dining, living and bedroom furniture; something new, modern, built.

- (316) Herman Miller Furniture Company: Information top line concept furniture designed by Isamu Naguchi, Charles Eames and George Nelson, reﬂects one of most important design programs in furniture industry.

- (720) Modernage: Folder presenting the new Multiplex Modern line; contemporary, functional, intermatching furniture, graceful design to please the eye as well as serve the purpose; specifications given for individual pieces.

- (570) Multiplex Furniture Sales Corporation: Information new Multiplex contemporary furniture designed by Martin Feinman of Modernage; now in national distribution; 12 basic case goods units capable of 156 combinations; plus foam rubber upholstered pieces, occasional tables, fabrics, accessories; makes good sense.

- (664) Paciﬁc Desk Company: Information good line exclusive furniture for executive and professional ofﬁces; complete coordinated proﬁle planning, decorating service; special service for architects, decorators through which clients can inspect stock.

- (562) Armin Richter: Retail source for contemporary designs in furniture by Aalto, Nelson, Eames, Saarinen, Martine and others. Modern Interior design, and also fabrics.

- (725) Royal Metal Manufacturing Company: Listings and speciﬁcations for Royalehrome, established line of distinctive metal furniture.

- (644) Carroll Sagr & Associates: New source of contemporary furniture, fabrics, accessories, including Eames, Risom, Functional, Glenn and Sebring pieces; lamps by Hartley; specializes on service through architects and decorators; is worth investigating.

- (730) John B. Salterini Company: 1919 catalog Salterini line of wrought iron furniture guaranteed not to rust for six years, at once exquisite and rugged, smartly and serviceably upholstered, luxurious but styled for wear and tear.

Important reasons for specifying miller fluorescent troffer lighting systems

MILLER TROFFER installations result in a finished lighting and ceiling job, adequate in illumination, architecturally pleasing, structurally sound and economically produced. The patented Miller Ceiling Furring Hanger simpliﬁes installation—makes it possible to form ceiling patterns as desired—CEILINGS UNLIMITED." Channels Bonded for rust resistance.

MILLER LIGHTING SERVICE IS ALL-INCLUSIVE covering needs of planned commercial and industrial lighting. Miller field engineers and distributors, conveniently located, are at your call.

QUALITY building material COSTS YOU LESS

E. K. WOOD LUMBER CO.

GENERAL OFFICES: P.O. Box 1618, Oakland, California

LOS ANGELES Office and Yards: 4710 S. Alameda St. - JE 3111

OAKLAND Yards and Wharves: 727 Kennedy St. - KE 4-6866

PORTLAND Mill Sales Office: 827 Terminal Sales Bldg.

SAW MILLS: Roseburg, Oregon - Reedsport, Oregon

The electric, 3-unit apartment at 4500 Tujunga, built by Mr. R. F. Townsend, one of the most progressive contractors in the San Fernando Valley.

Before he could sell one of the first houses he built, Mr. Townsend had to tear out the inadequate wiring and put in wiring for an electric range his buyer wanted.

"That," says Mr. Townsend, "taught me a lesson. Since then I have never built a house without wiring for an electric range.

"I have installed an electric water heater in every apartment unit that I have built because electric water heaters help sell the houses. The 3-unit apartment shown above is all-electric as usual."

In your new construction, be sure you consider the electric needs of both the present and the future. Our Adequate Wiring Specialists will be glad to help you plan your electrical specifications. Please phone Michigan 4211, Station 2637, or write Los Angeles City-Owned DEPARTMENT OF WATER AND POWER, 207 South Broadway, Los Angeles 12.
The product is readily available in the West and throughout the Gulf Coast and East Coast areas, and later will be available in the rest of the country.

A "miracle" touch in CS House Number 3 was the use of The Electronic Serviceman, a positive-acting garage door operator with an entirely new electronic control. It opens and closes the garage doors by radio impulses. There is a small receiver attached to a door lift assembly in the garage which is activated by a miniature transmitter in an automobile. The transmitter and receiver are tuned so that no other transmitter can open the doors. This product is manufactured by Federal Industries, Inc., of Detroit.

Inspection will show that there are no tack indentations around the edges of the carpeting in CS House Number 3. This is due to the fact that carpets were laid through the use of Smoothedge Gripper, which consists of plywood strips ½" thick, 8' long and 1 ½" wide. Especially designed conical-tipped 16-gauge pins penetrate the plywood at a 60-degree angle. When the strips are nailed to or adhered to the floor, these pins protrude far enough to fully penetrate the warp of the carpet. They are staggered ½" apart in two rows, so that the warp is gripped every ½" along two threads. This patented combination provides strength, rigidity, and gripping power to withstand any stretch given to the carpet. Smoothedge Grippers are a product of The Roberts Company, Los Angeles.

Other products merit specified for CS House Number 3 include:

- Micarta—Used for kitchen cabinet tops, manufactured by the United States Plywood Corporation, New York.
- Launderall—Washing machine, manufactured by the F. L. Jacobs Corporation, Detroit.
- Cabinet Hardware—Amerock, manufactured by the American Cabinet Hardware Corporation, Rockford, Ill.
- Toilet Seats—Beneke, Columbus, Miss.
- Lighting Fixtures—Contemporary lighting fixtures, manufactured by the Gotham Lighting Corporation, New York.
- Ventilating Fan—Manufactured by Prune & Co., Pomona, Calif.
- Shower Receptacle—Aluminum, manufactured by the F. W. O'Morrow Company, Los Angeles.
- Points—Manufactured by the Frederick O'Brien Company, Kokomo, Ind.
- Fireplace Lighters—Manufactured by Crescent Industries, Detroit, Mich.
- Drapery Installation—Loren Hansen, Los Angeles, Calif.
- Butane System—Charles Spurgeon, Malibu, Calif.
- Roof—Pioneer-Flintkote Company, Los Angeles, Calif.
- Television, Radio, Record Changer—Manufactured by Motorola, Inc., Chicago, Ill.
- Panels—Coralite, manufactured by Fir-Tex of Southern California, Los Angeles, Calif.
- Multi-Breaker—Manufactured by The Square D Company, Detroit, Mich.
- Insulation—Metal insulation, manufactured by the American Flange & Manufacturing Company, New York.
- Kitchen Appliances—Mixmaster, Wafflemaster, Sunbeam Toaster, Ironmaster, Shavemaster, manufactured by The Sunbeam Corporation, Chicago, Ill.
- Asphalt Tile—Manufactured by The Tile-Tex Company, Chicago Heights, Ill.
- Mirrors—Manufactured by The Nurre Companies, Bloomington, Ind.
- Oval Medicine Cabinet—California Home Products, Los Angeles, Calif.
- Landscaping—Evans & Reeves Nurseries, West Los Angeles.
- Door Chimes—NuTone, Inc., Chicago, Ill.
- Blankets—Wool O' the West, manufactured by Portland Woolen Mills, Inc., Portland, Ore.
- Brazier—Hawk House, Los Angeles, Calif.
- Laundry Tray—Cal Cast Products, Los Angeles, Calif.
- Refrigerator—Servel, manufactured by Servel, Inc., Evanston, Ind.
- Shower Doors—W. D. O'Morrow Company, Southgate, Calif.
- Table Ware—Dirilyte, manufactured by the Dirilyte Company of America, Inc., Kokomo, Ind.
- Bricks—Gladding-McBean & Company, Los Angeles, Calif.
- Hollow Core Doors—Rezzo Flush Doors, manufactured by Paine Lumber Company, Oshkosh, Wis., distributed by Davidson Plywood & Lumber Company, Los Angeles, Calif.

You're on the right track when you specify Certified Adequate Wiring for the homes you plan. Here's the reason why.

Certified Adequate Wiring means your clients will have enough electric switches in the right places to enjoy the most convenient use of lights, motors and appliances. And you know that satisfied clients mean better business for you in the days and years to come.

Adequately wired homes command premium resale prices, too. Banks recognize added equity in these homes. For new homes . . . for renovations . . . specify Certified Adequate Wiring to assure top quality wiring at only slightly greater cost.

NORTHERN CALIFORNIA ELECTRICAL BUREAU
1355 Market Street
San Francisco 3
CONTEMPORARY STRUCTURES

• NORTHLINGER RESIDENCE
  A. Quincy Jones architect

• MABEL BOWMAN GROSS RESIDENCE
  Spaulding-Rex-Deswarte architect

• THOR PUTNAM RESIDENCE
  Spaulding-Rex-Deswarte architect

• CASE STUDY HOUSE NO. 3
  Wurster, Bernardi and Emmons architect

• CASE STUDY HOUSE NO. 9
  Charles Eames & Eero Saarinen architect

• MHA SITE OFFICE
  A. Q. Jones, Whitney Smith, Edgardio Centini architect

LAMPORT COFER SALZMAN, INC.
General Contractors
Beverly Hills, California
REVIEW 45231

HEATING & AIR CONDITIONING

• (681) Horace F. Allison: Information on radiant heating; firm engineers, installs systems in Los Angeles area; one of best sources of practical information, installation details. (Unable to service inquiries from other areas.)

• (77) American Radiator & Standard Sanitary Corporation: Brochure new baseboard radiant heating panel; 8" high, replaces baseboard, can be painted; worth investigation.

• (390) A. M. Byers Company: Practical, factual booklet covering study of 1,000 radiant heating jobs in last year; explains various methods, materials mostly used; geographic statistics.

• (572) Philip Carey Manufacturing Company: Brochure Careycast all asbestos air conduit for heating, ventilating, air conditioning; effectively produces heat and insulation; fans noise, permits higher air velocity due to flue joints; easily installed, economical; worth study.

• (411) Chase Brass & Copper Company: Full color brochure of brass and copper in residential planning, emphasizing copper tubing for radiant heating; discusses hardware, screens, roofing products.

• (700) Chase Brass & Copper Company: Radiant Heating pamphlet gives reliable and interesting data for the layman; nicely done and informative.

• (509) The Firan Company: Brochure Glamaster bath heater featuring direct infrared heat radiation; one piece, formed aluminum alloy reflector; well engineered, designed; worth investigation; uses convection flow of air.

• (514) Fraser & Johnston: Brochure new Lo-Boy shallow model furnace, dual or floor; 262½" deep overall; dual models feature "hi-lo" register head, grille; single 2 Rd control valve; streamlined heating element of prestressed steel; gas fumes cannot escape into room.

• (551) Minneapolis Honeywell: Pamphlet discussing zone control for various types of heating systems, suggests various domestic applications of Minneapolis Honeywell control units, making recommendations for maximum safety and comfort.

• (3329) Lennox Furnace Company: Brochure Lennox Aire-Flo gas residential furnace; provides warned, filtered, humidified air; completely quiet; cabinets remarkably well designed.

• (514) Montag Company: Electric furnace, manual and circular, provides continuous filtered all-year ventilation; Hi-modulation thermostat controls for eight blowers speeds, 12 heating steps within two degrees of room temperature; full data available.

• (514) Payne Furnace Company: Information new Payne Panelair forced air wall heater; occupies floor area of only 29"x94"; room air drawn in near ceiling, discharged through outlet grille at floor level into one or more rooms; built in thermostat fan controls provides two-speed fan operation; 55,000 btu; worth investigating.
PREST GLASS

a new medium for the imaginative...

A building material so new,
so completely flexible, that you will find
new functions for it in every installation.

Write or call for complete information.

California Panel & Veneer Company
911 South Alameda • Trinity 0017 • Los Angeles
CR 5-5179

INTERIORS
COMMERCIAL RESIDENTIAL
An organization to create, co-ordinate and advise in all phases of design specializing in interior decoration.

BELICO INC.
LIONEL BANKS AND ASSOCIATES
407 COMMERCIAL CENTER STREET
BEVERLY HILLS, CALIFORNIA

BEVERLY HILLS, CALIFORNIA

LIGHTING EQUIPMENT

(418) All-Bright Electric Products Company: Folder unusual fluorescent fixtures with over-all depth only 3½"; makes for clean contemporary design; bottom glass hinged on either side permitting easy servicing; can be mounted flush to ceiling, single or continuous rows. good new product.

(576) Benjamin Electric Manufacturing Company: Comprehensive bulletin, 28 pages, new louvered ceiling lighting system, featuring Sky-Glo; profusely illustrated, includes architectural drawings, charts, specification tables; installation ideas to aid planning; good data.

(706) California Home Products: Literature on fluorescent-lighted cabinets: perfect serving or makeup in clear, shadowless, equally distributed light; selected for use in Case Study House Program.

(653) Cannon Electric Development Company: Folder new Cannon colored utility pilot lights for signal, warning, decoration, general illumination applications; from one to four lens on plate 4½" wide to necessary depth; lens in five colors of unbreakable plastic.

(718) Century Lighting: Folder introducing new "Dramatise" designed by Oliver Lundquist, practical for office and home installation; good, adaptable, carefully engineered product in a variety of attractive models; prices given.

(101) Century Lighting, Inc.: Complete catalog one of best lines contemporary lighting fixtures; fully illustrated, complete technical information.

(694) Corning Glass Works: Sheets giving solutions for special lighting problems, food store, utility office, accounting office, drafting room; layouts indicated and lighting calculation reports reproduced; sound technical information.

(704) Corning Glass Works: Bulletin on engineered lightingware; discusses merits of direct, semi-direct, semi-indirect, and totally luminous ceiling lighting systems, control, brightness, determinants, and basic data included.

(547) Day-Brite Lighting, Inc.: Bulletins 20-A and 20-B recessed troffers; all standard types listed with full technical data, including sketches, tables, installation data, foot-candle intensities charts; also includes information incandescent boxes for flush installation; well worth file space.

(717) General Electric Company: "Fundamentals of Light and Lighting" very thorough discussion of light engineering, gives light calculation charts; beautifully illustrated; excellent reference text solving general as well as special problems; should be on "required reading" list.

(654) Gibson Manufacturing Company: Folder new 6250-6400 louvered fixtures; feature full depth metal louvers, translucent side panels of Polystyrene; finished natural satin aluminum with "hi-baked" white enamel finish; two or four lights in each fixture.

(357) Globe Lighting Products, Inc.: Very complete 36-page catalog complete line incandescent, fluorescent fixtures for all uses; of particular interest are new decolour fixtures producing multicolored effect.

(734) Gotham Lighting Corporation: New booklet Gotham Architectural Lighting; demonstrates pendant and recessed light fixtures, illustrates flat, curved, diffusing and box and lens lamps; lamp types shown for household and commercial uses, specifications given.

(656) Gotham Lighting Corporation: Brochure (GLC.10) 7 Streamlites, 13 Downlines, 6 Fluor-o-Troughs; installation data, lens sizes, wattage, beam distribution information; also merchandising lighting schemes described; issued by one of best manufacturer of contemporary lighting fixtures; well worth having.

(583-B) Gotham Lighting Corporation: Brochure, catalogue one of best lines contemporary architectural lighting; clean design, exceptionally wide range fixtures; literature profusely illustrated with full technical data; this material belongs in the files of all contemporary designers, decorators and architects.

(590) Guardian Light Company: Information Guardian kitchen counter light, 8 or 15 watt fluorescent fixtures for easy installation under top cabinets to flood work with indirect light; portable or permanent; sensible product; merit specified for all current CSHouses.

(338) Edwin F. Guth Company: New booklet emphasizing importance and value good lighting by pointing up effects of bad lighting; good four-color thumbnail study.

(208) Hollywood Lighting Fixture Company: Information contemporary lighting fixtures, stock and custom; one of best sources in Southern California.

(300) Lighting, Inc.: Series folders, brochures Philite fluorescent lighting fixtures, incandescent reflectors for residential, commercial, industrial use; includes interesting equipment for subtle spotlighting, flush lighting; profusely illustrated; provides full technical data, prices.

(299) Lightolier: Folders wide range Lightolier lighting fixtures; good contemporary design featuring built-ins readily available.


(591) Pittsburgh Reflector Company: New 32-page catalogue presenting complete line fluorescent luminaires, troffers, strips, accessories, together with companion incandescent equipment; complete section on planned lighting in all phases of design.
through use combination fluorescent and incandescent; full technical, installation data.

(65) Prestoed Company: Illustrated bulletin (AA2) and catalogue sheets 42 distinctive styles of residential and commercial lighting fixtures, including one of best lines contemporary recessed fixtures; available only through electrical jobbers; this line worth investigating.

(32) Pyne Company, Inc.: Illustrated bulletins Pyrites, complete line recessed lighting fixtures, includin special multi-colored dining room lights, automatic closet lights; adjust able spots; full technical data.

(39) Smooth-Holman Company: Information newly designed Zenith luminaire; Polystyrene plastic side panels ribbed to permit proper light distribution while reducing surface brightness to minimum; certified ballasts, start ers; individual or continuous mounting; opens either side for servicing.

(41) Sunbeam Lighting Company: Catalog new line fluorescent lighting fixtures; contemporary and standard designs; wide range applications; full technical, installation, service data.

(22) Supreme Lighting Company: Comprehensive 23-page catalog well designed line fluorescent fixtures; hang ing, and glass covered; recessed fixtures with egg crate bower or diffusing glass; industrial, reflector, window types; strip, cirelline; kitchen fixtures, vertical mirror lamps, bed lamps.

(69) The Wirenold Company: Outlets for fluorescent lighting fixtures on wire inches for continuous runs of line-e-lamps; good wiring system for drafting rooms, showrooms and other spaces requiring special lighting.

MISCELLANEOUS

(55) Advance Development Company: Information regarding 102 contemporary homes designed by Gregory Ain and built in greater Los Angeles area; F.H.A. approved; preview June 26.

(56) American Aerovap, Inc.—a fly killer that gives you positive and continuous protection. Write for literature

(35) Custom Cast: Information remarkably good andrus of custom design; fronts cast bronze, log rests iron; weight per pair 30 pounds; fronts in aluminum, yellow brass on special order; reasonably priced; information.

(37) Tony Hill-Wilmer James: Full information full line contemporary ceramics; unusual glasses, beautifully fired; also lamps with ceramic bases; used in CSHomes 11, 18.

(27) The Krume Manufacturing Company: Information new Quick-Shot Soldering Irons, inexpensive and have interchangeable tips from 3/8" to 1" or more, heated by pas- sage heat for 5 seconds; has no breakable parts. Good idea.

(52) The Homer Laughlin China Company: Full color folders Jubilee Dinnersware; simple design, pleasant color selection; simplicity allows accessories to make table settings formal or informal; light in weight; merit specified for CSHomes 20, 1, 3.

(42) Howard Miller Clock Company: Information contemporary clocks by leading designers, including George Nelson; probably best approach to application of contemporary design to clocks.

(47) Modern Designers: Full information good line ceramic trays, bowls, incidentals, and lamps; well known contemporary designers; available through selected retail outlets; used in CSHouse Number 18.

MOTION PICTURE EQUIPMENT

(512) Bell & Howell Company: Brochures, information Filmsound projectors for use in homes, schools, churches, industry; gives full technical information recording equipment, installations, use, operation; practical, interesting sensitive.

PAINTS, SURFACE TREATMENTS

(463) Amercoat Division, American Pipe & Construction Company: Information new Amercoat vinyl coating which is a pigmented vinyl resin dispersed in water; resists most dilute acids, is unaffected by alkaline cleaning compounds; waterproof; white and solid colors.

(513) W. P. Fuller & Company: Sixty pages of specifications for product featuring Fuller paints, related products; specifications range from best possible to least expensive jobs; one of the best prepared specification books available; belongs in all files. Available to Western readers only.

(72S) Gordon Chemical Products: Gordon's 101 Sealer, preserves natural wood beauty while providing greater color control, prevents grain raising, color bleaching through surface, filler shrinking and stain bleeding; provides absolute sealing.

(501) McCloskey Varnish Company: One of best brochures treatment of floors and their finishes; based on Gynoseal, Tungseal, Penetrating Floor Sealer, Terrazo Seal, Wood Sealer; penetrating but simple analysis how to treat, maintain wood, terrazo, cork, concrete, magnesium wool composition floors; well worth study.

(457) Frederick O'Brien Paint & Varnish Works: Folders O'Brien Porex wood finishes; remarkably good plywood finish in modern blonde tints; available clear or in colors; preserves wood, allows grain to show; cheaper than paint or enamel; color card available.

(609) Soc-Co Plastic Coating Company: Information Alka-B" fire fire retardant paint; reduces fuel contribution from combustibles treated up to 85 per cent, reduces flame spread up to 60 per cent; only fire retardant paint approved by Underwriter's Laboratories; recommended by American Hotel Association; good source of information.

(275) Douglas Fir Plywood Association: Excellent 16-page brochure panel suggestioins for Douglas Fir Plywood; how to panel for interiors of industrial, commercial residential structures; practical ideas well illustrated; explained; merits study.

(606) Formica Insulation Corporation: Folders new Moonglow Formica pattern, together with small samples showing colors; six colors; pattern has third dimensional depth appearance; is available from all leading distributors; full line for kitchens, bathrooms, and commercial interiors, as well as panel for tabletops, bar tops, lit spaces; check with your dealer.

I just Love to Lift a STRAND-STEEL Garage Door

... Says Mrs. Customer!

- Rugged steel throughout
- Perfectly balanced for finger-tip operation
- Strong trussed frame eliminates sagging and warping
- Rust-resistant
- Easy for your customer to install
- Built for safety—for long life

Strand Overhead-Type Steel Garage Doors, manufactured for single and double openings, save wall and floor space and remain out of reach of damage when open.

Pacific Coast Aggregates, Inc.

ALDRICH

HEAT-PAR

BOILER-BURNERS

Lots of Heating Capacity in Little Space

Compactness that saves space in basement or utility room... plus exclusive advantages that add up to more dollar-for-dollar value... earn Aldrich Boiler-Burner Units a place in your plans for a single home, a commercial building, or for a vast new development.

In many localities, an important feature is the unique Aldrich interchangeable oil and gas burner. Your client may have automatic oil heat now... convert to gas later, or change from gas to oil anytime. Boilers have identical heating capacity... identical heating output... interchangeable burners.

Aldrich vertical tube-type boilers are made in sizes, 118,000 to 800,000 BtuHr an hour rating, oil or gas fired; available with or without new type high delivery, double-spiral hot water coils. Boilers built to highest commercial standards—A.S.M.E. stamped when specified; oil burners Underwriters' approved; gas burners A.G.A. approved. Write now for specifications; detailed descriptions.
Thoughtful builders plan outlets for portable telephones in rooms used occasionally or at certain seasons—like basement playrooms and glassed-in porches. But they provide outlets for permanent installations in rooms where customers spend most of their time. Built-in conduits and outlet boxes make it simple to add portable and permanent telephones later.

Attractive walls are never marred by exposed wiring. When you plan built-in outlets and conduit, such facilities for concealed wiring are easy to install during construction and make customer-convenience at a very low cost. For free help in planning, call your local Pacific Telephone office and ask for "Architects and Builders Service."

Put built-in telephone facilities in your plans.

The Pacific Telephone and Telegraph Company
(566) H. B. Saher Mfg. Company: Information new stainless steel preferred moulding for flatiram built-in fixtures for kitchen and bath; provides watertight light seal between lino­ leum, wood, other top materials; one piece, preferred to fit making it un­ necessary to change interlocking frame, fastening clamps.

(502) Briggs Manufacturing Company: New Briggs 72-page catalog "F" illustrating Beautyware plumbing fixtures, brass supply fittings; one best lines, catalog gives guide specification writing, including roughing in dimensions; dimensional data for fixtures, permitting ac­ curate floor planning.

(578) California Shower Door Company: Folder excellent line alulmoy and bronze chrome showerdoors, tub enclosures; simply designed, mechan­ ically good; doors have full-length pi­ ano hinges; manufactured, readily avail­ able in Northern California.

(668) W. A. Case & Son Manufacturing Company: Information regarding Case contemporary bathroom fixtures, including T/N Water Closet, free-standing fixture, lavatories with dry shelf space, built­ in soap dish, concealed front over­ flow, bowl bars, wall hung or with legs; merit specified for several CS­ Houses.

(419) Crane Company: Information "pint-size" bathroom (6'x5') through use corner laminate, small (42"x31"), low cost, has spacious corner seat; possible to get bathroom down to 36"x66".

(477) Harvey Machine Company, Inc.: Brochure full information new line bath accessories in good contem­ porary design; clean, efficient, prac­ tical; used in CSHouse Number 18.

(420) The Kawner Company: Fold­ er new shower doors, tub enclosures; doors have full-length piano hinges riveted on, rubber seal; enclosures slid­ ing or swinging; both made of ex­ trusion of special aluminum alloy; precision engineered.

(394) Kohler of Kohler: Excellent 4­ color brochure presenting full line Koh­ ler bath fixtures, fittings, kitchen sinks, bathroom good design; full technical data, including several new pieces; suggested bathroom plans.

(663) Los Angeles Water Softener Company: Brochures, folders Sides­ master Water Softener; uses black, resinous synthetic zeolite, producing better tasting water; both automatic and semi-automatic models; features "Time-o-Matic" clock-controlled hyd­ ralic diaphragm which does regenerating; complete information water softening advantages; well worth having.

(594) Miami Cabinet Division, The Philip Carey Manufacturing Company: Well prepared 40-page two-color bro­ chure presenting Miami-Carey bath­ room cabinets, mirrors, accessories; all items clean design, well manufactured; this line is more than usual value; products merit specified for all current CS­ Houses.

(421) The W. D. O'Morrow Company: Information one piece stainless steel shower receptor; no seams, crevices; five standard sizes, custom sizes avail­ able; reasonably priced.

(565) Adams-Rite Manufacturing Company: Information new unit-type lock for sliding door operation, adjustable to various door thicknesses; operates with natural sliding action of bar in cup; well designed, requires all­ using required; all exposed parts solid brass, four finishes available; good answer to old problem.

(519) Aluminum Building Products Company: Information new type op­ eration screen-storm door in alumi­ num; extruded hollow aluminum sec­ tions; screen, storm inserts immi­ nently interchangeable; come with aluminum frame in all sizes for quick installa­ tion; good product.

(549) American Structural Products Company: New brochure Insulox Glass Block showing use in schools, hospitals, plants; shows typical in­ stallation daylight schools, hospital; sewage disposal plants where glass block was chosen for fenestration be­ cause of installation value and light trans­ mission values; worth seeing.

(712) Arcadia Metal Products: Side­ hand metal sash and door units, domes­ tical and commercial use, high qual­ ity, fully guaranteed, assembled at fac­ tory and delivered ready for installa­ tion; standard types and sizes illus­ trated and installation details given.

(505) Carroll Products Company: Folder new cordless, tapeless vene­ tion blind that fits into window frame; all-light-weight metal in range of standard sizes or custom sizes; slats controlled by visible knobs; top and bottom halves can be worked independently; well engineered, suggests interesting con­ temporary design applications; merits investigation.

(30) Coco Steel Products Corporation: Data-loaded Pacific Coast catalog cov­ ering residence casements, package windows, projected windows and scores of correlated products, commercial and industrial as well as residential.

(520) Detroit Steel Products Company: New 8-page catalogue residential steel casement windows; liberally illustrated with architectural drawings; plans, perspectives of houses; a good working piece of literature.

(521) Druhwit Metal Products Com­ pany: Data, sketch packed brochure Druhwit metal windows, doors, both stock, custom built; nearly all types of metal windows, doors, including case­ ment, sliding, pivot, store front win­ dows; good source technical informa­ tion.

(506) Casement Hardware Company: Bulletin well engineered Win-Dor in­ tegral hardware for jalousies of wood or glass; wood slats 4½" x 14"; glass slats 4½" x 7½"; can handle openings up to 4' x 10'; worm gear operators; slats held in place by screws, nails; weather stripped; offers wide range contemporary design uses, either vertical or horizontal; good prod­ uct.

(416) J. Royden Eatey & Sons, Fold­ er Aluminum puttyless glazing single­ or double pitch; extruded alu­ minum roof glazing; makes long spans possible; full technical, installation data; illustrated.
THE LADY WILL LOVE YOU for allowing space for her New IRONRITE IRONER!

Here is one of those practical, inexpensive ideas that goes to make a "Dream House."

Further information or specifications, write:

Gordon E. Wilkins-Ironers, Inc.
121 S. ALAMEDA ST., LOS ANGELES 12, CALIF.

(579) Far-Co Manufacturing, Inc.; Literature well designed aluminum windows, doors, including casements; windows have narrow frames, with or without muntins; no painting; good handling big areas of glass; Southern California made.

(354) Fir Door Institute; Catalog new Tru-Fit Douglas Fir Doors; all types, including flush; factory-fitted, stuff stripped, precision made; fall specification, technical data.

(522A) Gate City Sash & Door Company; Booklet Gate City Awning Windows for homes, offices, apartments, hotels; controlled by worm and gear drive operating two sets of raising mechanisms distributing raising force to both sides; standard and special size; contemporary design.

(664) Glide Windows, Inc.; Attractive brochure new line Glide aluminum windows, doors; one of best, most practical solutions for wide areas of sliding glass; size limited only to size of glass used; full details; this brochure is one of best printed, product equally good.

• (507) Grant Pulley & Hardware Company; Folder new line Grant drapery; curtain hardware; inconspicuous, streamlined, durable; precision-made, won't bind or jam; made by company which manufactured top sliding door hangers for many years; good product, worth investigation.

• (424) Kirsch Company; New 32-page booklet "Smart Window Styling," illustrating 85 different window treatments; features Kirsch drapery hardware, venetian blinds.

(391) Pittsburgh Plate Glass Company; Booklet new metal door-frame assembly for use with Herculite glass doors; shows 12 available styles suitable practically any type business, commercial building; variable dimension tables, typical section views.

(745) Roddis Plywood Corporation; Roddis-craft Flush Doors, smooth, modern, finished in beautiful veneers, adaptable to any interior design; permanent Roddis-craft construction guarantees long life and lasting warms beauty of fine woodwork; Architects and designers should acquaint themselves with this excellent modern craftsmanship.

• (355) Roddis of California; Brochure Roddis-craft solid core flush veneer doors; waterproof construction; one of best lines of flush doors, worth investigating; brochure gives all technical, installation data.

(720) Rolscreen Company; Four-color brochure on Pella Casement Windows; gives suggestions for handling large window areas, many good ideas attractively presented, stock sizes listed, installations diagrammed.

(687) Rolscreen Company: Specifications and drawings of casement details Pella Modular Sized casement units, specific information for architects.

(688) Rudiger-West Company; Information aluminum Tension-tite Screens for double hung windows, rust-proof, corrosion-resistant, easily installed and removed, fit tightly, require no upkeep.

• (550) Steelbilt, Inc.; Folder Steelbilt steel horizontal sliding doors, windows; wide range of stock sizes permit unrestricted contemporary design; narrow mullions, muntins; outside screens; western manufacture, immediately available; one of best items of kind; merit specified for CSHouse Number 1.

• (406) Super-Vent Company; Brochure contemporary Super-Vent awning type window that is cleaned from inside; permits draft-free ventilation; screens on inside as well as storm windows if needed; from 2' 10 1/2" x 2' 10 1/2" merit investigation.

• (556) West Coast Screen Company; Brochure Hollywood Junior combination screen, metal sash door; provides ventilating screen door, sash door, permanent outside door all in one.

SPECIALTIES

• (551) B & B & Manufacturing Company; Brochure Johnson Safety Vault, steel safe for floor or wall installation in houses, apartments, offices, varying sizes, pick-proof key or combination locks; insulated or non-insulated; merit specified for all CSHouses.

(665) Basalt Rock Company, Inc.; Information, facts for architects, builders on Basaltic lightweight concrete masonry building units for residential, commercial industrial construction.

(714) Bellico, Inc.; Listing of services by organization developed to create, coordinate and advise in all phases of design, specializing in interior decoration; makers of Case Study House models.

• (508) Colart Cement Tile Company, Inc.; Folder interesting Colart cement tile; available in any color to specification; colorfast, lime-proof, waterproof, acid-resistant, long wearing; any size, shape; inside and outside uses; lends itself well to contemporary design; definitely worth investigation.

• (557) Colonial Shops; Information contemporary fireplace surrounds, stock, custom, good workmanship, service; everything for fireplace.

(466) Copper & Brass Research Association; New and extensive bulletin decorative uses of copper and brass; illustrates describes interesting applications; probably best source of information; worth studying, file space.

(556) Crescent Industries; New all purpose heavy duty lighter, light to light all types of indoor and outdoor fireplaces.

(738) Stromberg-Carbon; "Better Than Being There" review of Stromberg-Carbon television models, quality design and construction, producing sight and sound at their best.

• (597) Hawk House; Folder, information Hawk Barbecue-Brazier; one of oldest cooking devices given modern functional application; 24" and 36" models permitting cooking over open fire indoors or out; amounts to portable fireplace combined with incidental cooking facilities; merit specified for all CSHouses.

• (598) A. H. Heisey & Company: Sixteen-page brochure, several folders Heisey hand-wrought, crystal glassware, featuring simple, well designed New Era contemporary pieces; brochure gives highlights history of glass; New Era merit specified for CSHouses 20, 3 and 1.
Your employees want to help you build security

HERE'S HOW 7,500,000 WORKERS ARE DOING IT

More than 20,000 companies now maintain the Payroll Savings Plan, by which their employees invest in U. S. Savings Bonds automatically every pay day. This Plan builds security not only for the individual employees, but for their companies and for the nation!

As you know, Savings Bonds pay $4 at maturity for every $3 invested. Thus they help create a "rainy-day" fund for each Payroll Saver, increasing his security.

How P. S. P. helps employers

America's leading corporations report these company benefits from the Payroll Savings Plan: As Bonds increase the worker's economic peace of mind, plant morale improves. Production increases—because absenteeism, labor turnover, and the accident rate all decline. Relations improve between employer and employee.

Savings Bond dollars are dollars removed from the spending stream. They are deferred purchasing power—an assurance of good business during the years to come. The Treasury uses net Savings Bond dollars to help reduce inflationary credit potential in the banking system by retiring short-term bank-held Federal securities. So Bonds increase the nation's economic security, too!

Proof that employees want P. S. P.

Practically everybody wants to save. Every one of your employees could be saving more if he were obtaining Savings Bonds regularly, right where he works. Even with today's high prices, it has been proved that between 40% and 60% of America's working millions—at any wage level—can and will buy Bonds through Payroll Savings if management sponsors the Plan and if a fellow worker asks them to sign up.

Yes—your employees want to help you build security—for all of us. It's up to you whether they get the chance. All the help you need is available from your State Director, U. S. Treasury Department, Savings Bonds Division. While it's on your mind, why not call him? Or write the Treasury Department, Washington 25, D. C.

The Treasury Department acknowledges with appreciation the publication of this message by

ARTS & ARCHITECTURE

This is an official U. S. Treasury advertisement prepared under the auspices of the Treasury Department and the Advertising Council.
Determine your price, maintain your price, increase your price, but always offer a discount for cash. Always be willing to negotiate.
also remarkable No-Draft sash balance; latter eliminates pulleys, weights; prevents air, dust inleakage; permits greater area of window space, fingertip control of windows; products merit investigation.

(479) Permanente Cement Company: Booklet on "Cement Types and Uses" based on Permanente High Early Strength Portland Cement; conforms to ASTM specifications C-150 Type III and Federal specifications SS-C-192 Type III; especially good for rush jobs; well worth study; good data source.

(531) Permanente Metals Company: Detailed information new types aluminum roofing, siding for residential construction, includes full color photographs of applications, full data and illustrative material on installation; remarkable saving in handling, erection, nails, paint, elimination of waste; well worth study, file space.

(160) Pittsburgh Corning Corporation: Brochure (20 pages) PC glass blocks; illustrates typical installations; technical, installation, performance data; lists types accessories available; layout table for glass block panels based on modular coordination.

(456) Stained Shingle & Shake Association: Informative material use and advantages stained shingles and shakes; can be effectively used in contemporary design; provide interesting colors, texture.

(397) Timber Structures, Inc.: Folder "Engineering in Wood" on glued laminated structural members; provide "moulded" load-bearing components to fit architectural lines, greater slenderness, curvature, taper; structural forms virtually limited only by integrity of designer; specification data.

(298) Walles-Bageman, Inc.: Booklet (8 pages) Wall Bloc building blocks designed for 4" modular system; mass producer of light weight aggregate; weight 40% less than concrete blocks; home or commercial use; full details.

(719) West Coast Lumbermen's Association: A Director of West Coast retail outlets for Douglas Fir, West Coast Hemlock, Sitka Spruce and Western Red Cedar; lists additional reading matter.

WALL COVERINGS

(468) Inez Croom, Inc.: Information on one of best lines of contemporary wallpapers done by silk screen process.

(557) Laverne Originals, Inc.: Information new Spun Glass, fire-proof textured wall covering in Marbalia and abstract designs; semi-rigid material which can be bent; is now in traveling exhibition of AID 1947 design awards; good product well worth investigation.

(467) The Pantasote Company: Brochures in color remarkably practical new wallcovering called Lifewall; comes in rolls, applies with special cement; is vinyl resin, will not crack or peel; is abrasion, fade resistant; impervious to all ordinary stains; wide range or plain colors; this product merits appraisal.

(667) Timbertone Decorative Company, Inc.: Information Timbertone Structural Veneer Papers for decorative uses; heavy Kraft paper, stained and finished, applied paper hanging manner; wide variety of wood patterns and colors; easy to handle, clean; flexible, comes in rolls; good product; merit specified CSI House Program.

OFF TO A GOOD START!

The skill, the know-how, the modern equipment this sheet of steel will encounter in the Smoot-Holman plant will accomplish an amazing transformation. By the time it emerges as a completed luminaire, it will have undergone exhaustive tests and processes of inspection — a product of which we can be proud... and with which the user will find long-lasting satisfaction.
PIONEER provides ROOF insurance for PRUDENTIAL SQUARE

100,000 square feet of Pioneer-Flintkote's AAA-1, 5-15 Double Gravel Built-Up Roof give the newly completed Prudential Insurance Company's Western Home Office a roof of the highest quality to meet the rigid requirements of architectural design. The ultra-modern structure is protected by the best in roofs - a specially designed 5-layer, 15-pound asphalt felt, double graveled covering. Whether it's rain, heat, frost - yes, even snow; P-F's premium AAA-1 Built-Up provides the utmost in complete roof "insurance" for Prudential Square.

Located on Wilshire Boulevard, in Los Angeles' Miracle Mile, the building is one of the postwar West's largest and most modern. P-F membrane waterproofing has also been used to protect the spacious lounge and promenade deck areas.
when sister suzy cuts a rug
you just know it's a RUG BY KLEARFLAX

KLEARFLAX LINEN LOOMS
DULUTH MINNESOTA

NEW YORK
295 Fifth Avenue
Murray Hill 5-0632

DISPLAY ROOMS
LOS ANGELES
812 W. 8th Street
Vandike 8988

CHICAGO
Merchandise Mart
Superior 0502