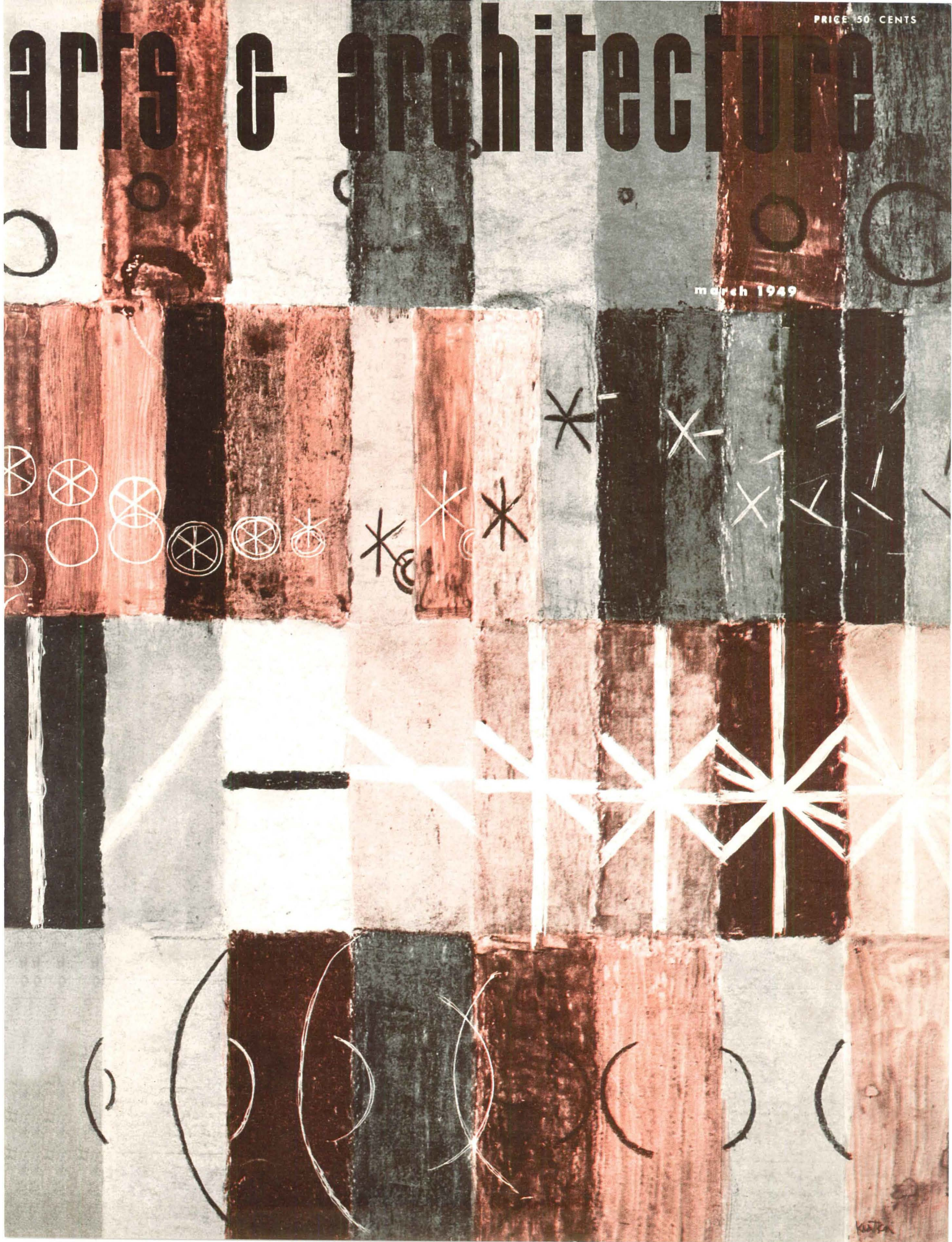
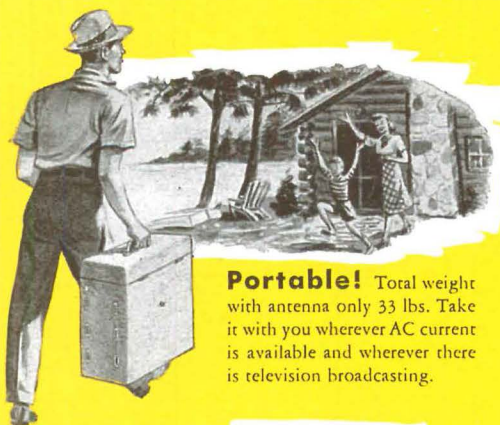


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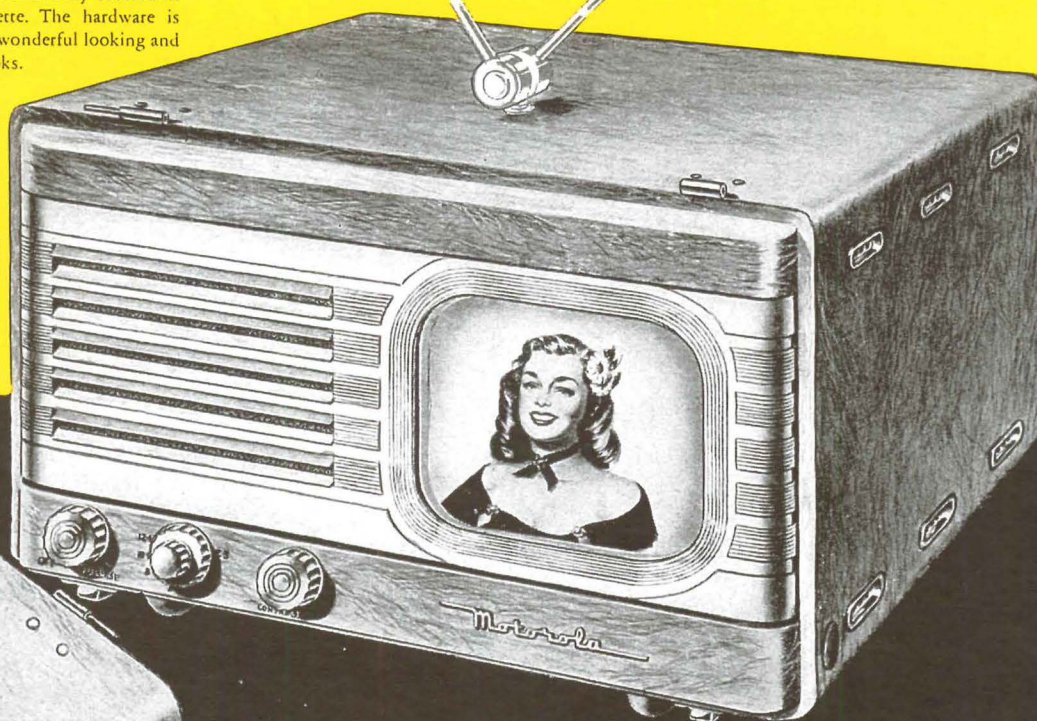
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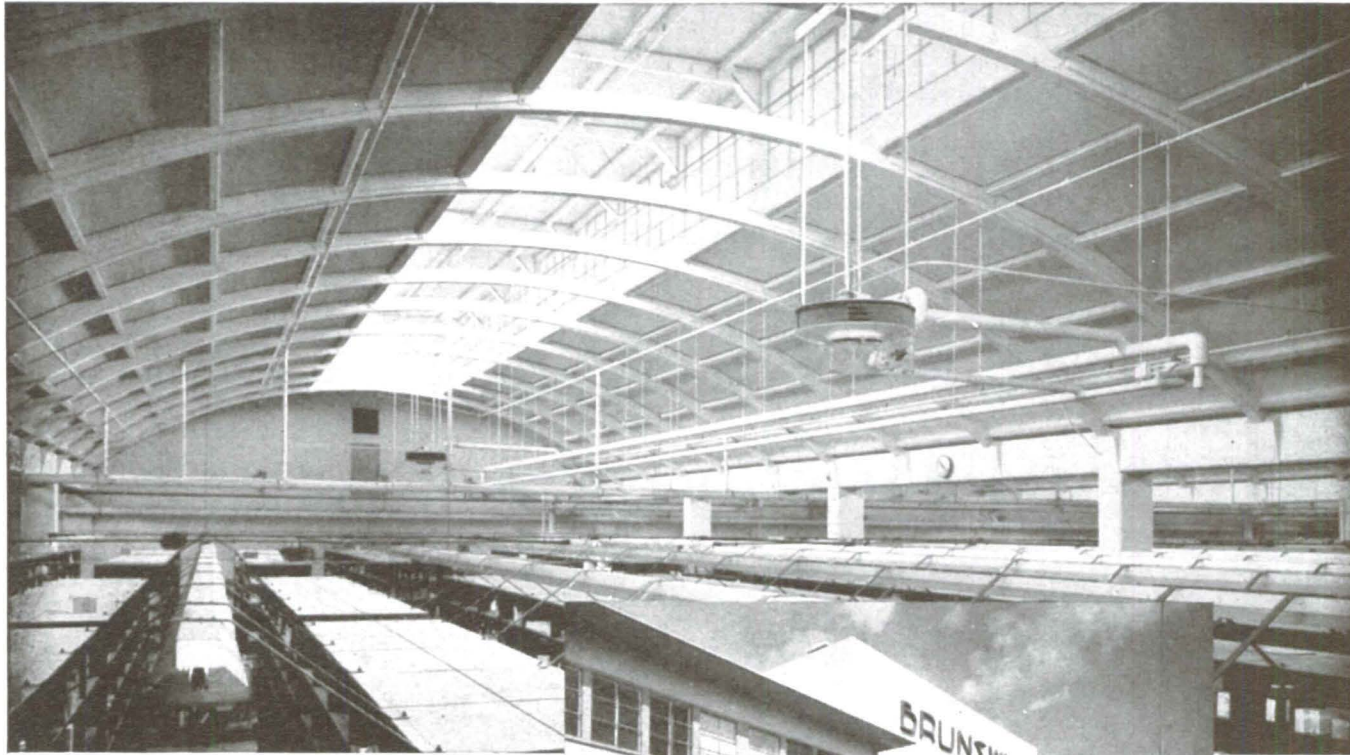
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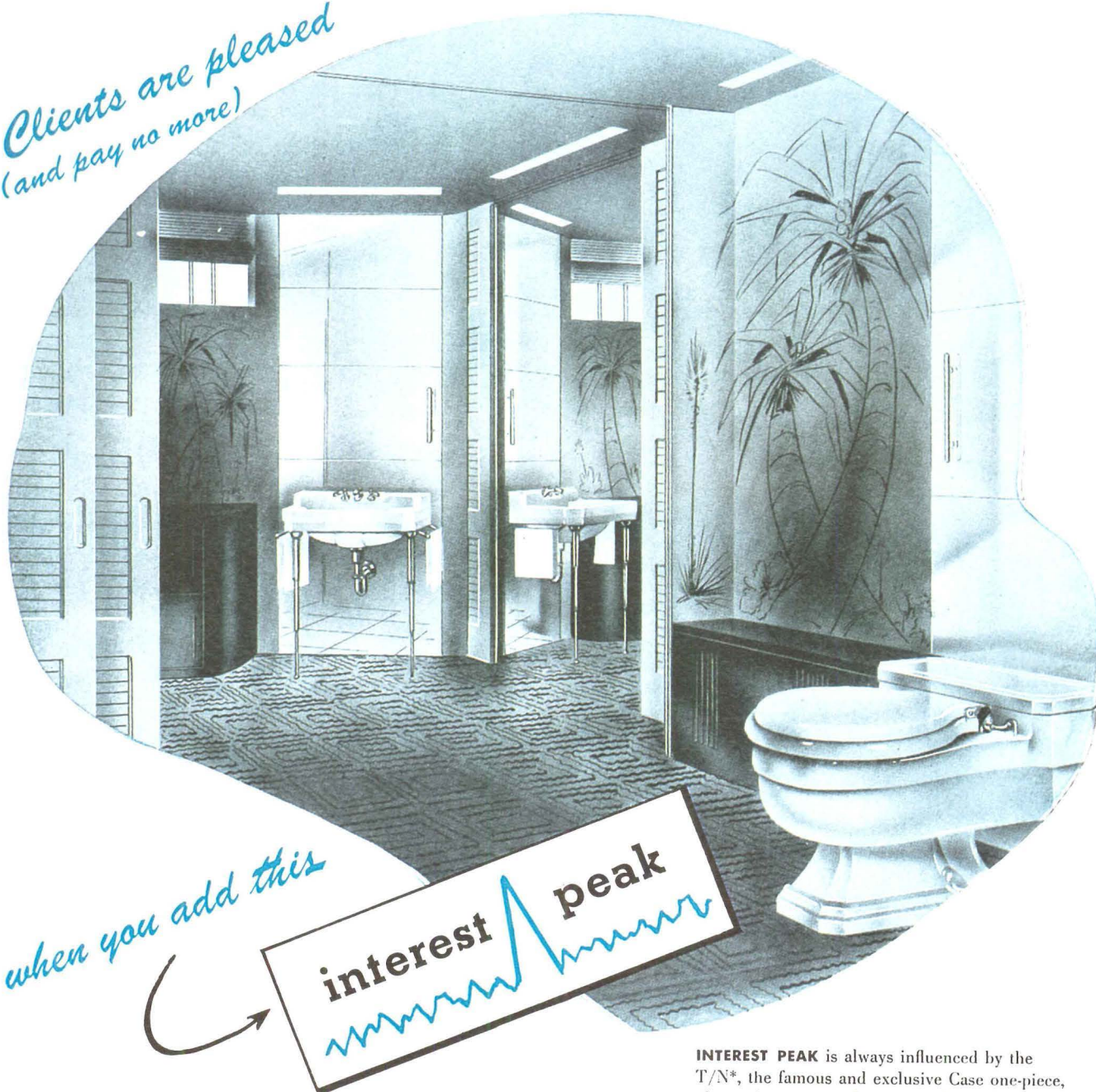
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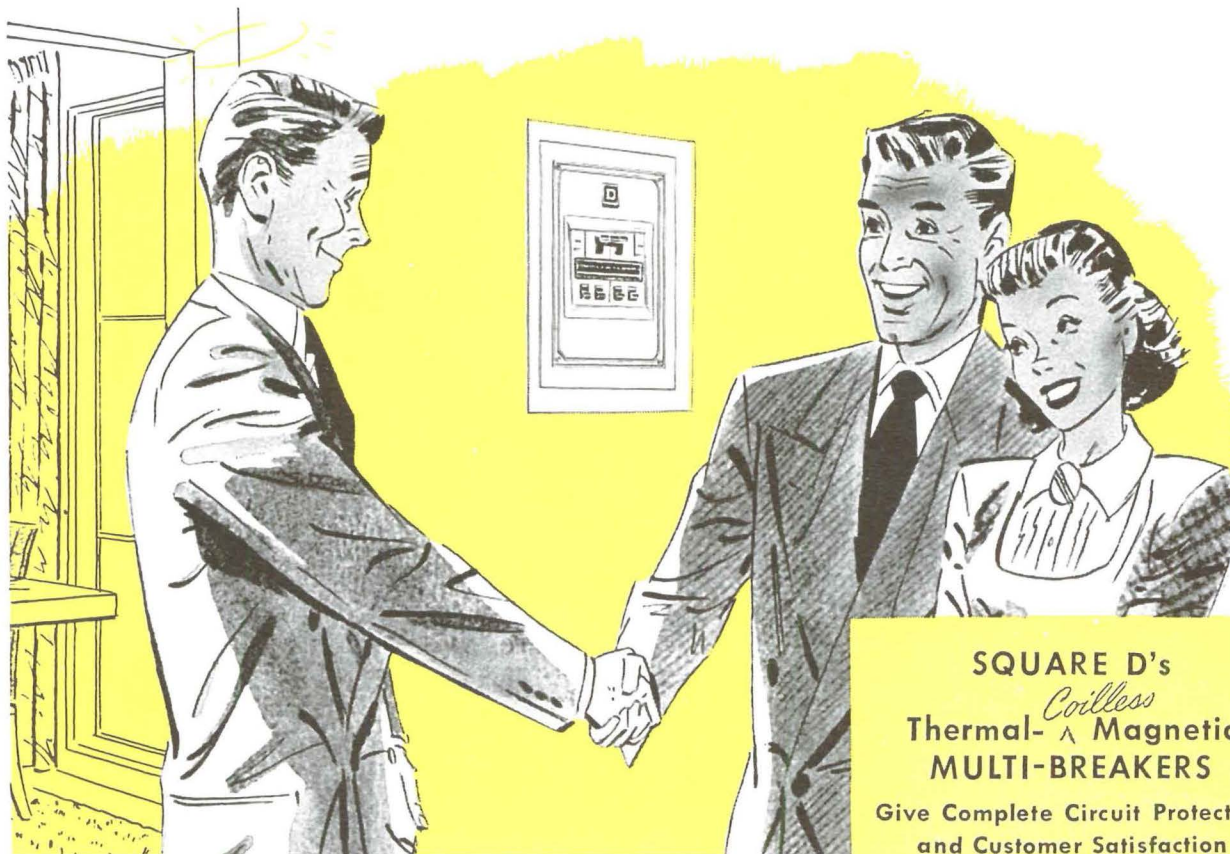
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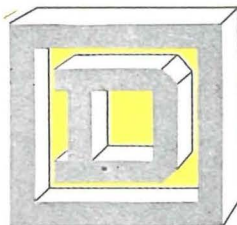
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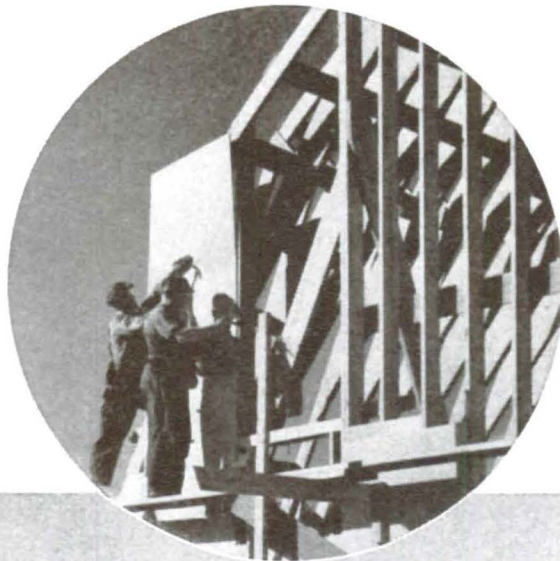
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



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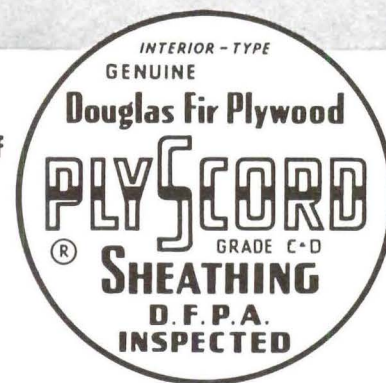
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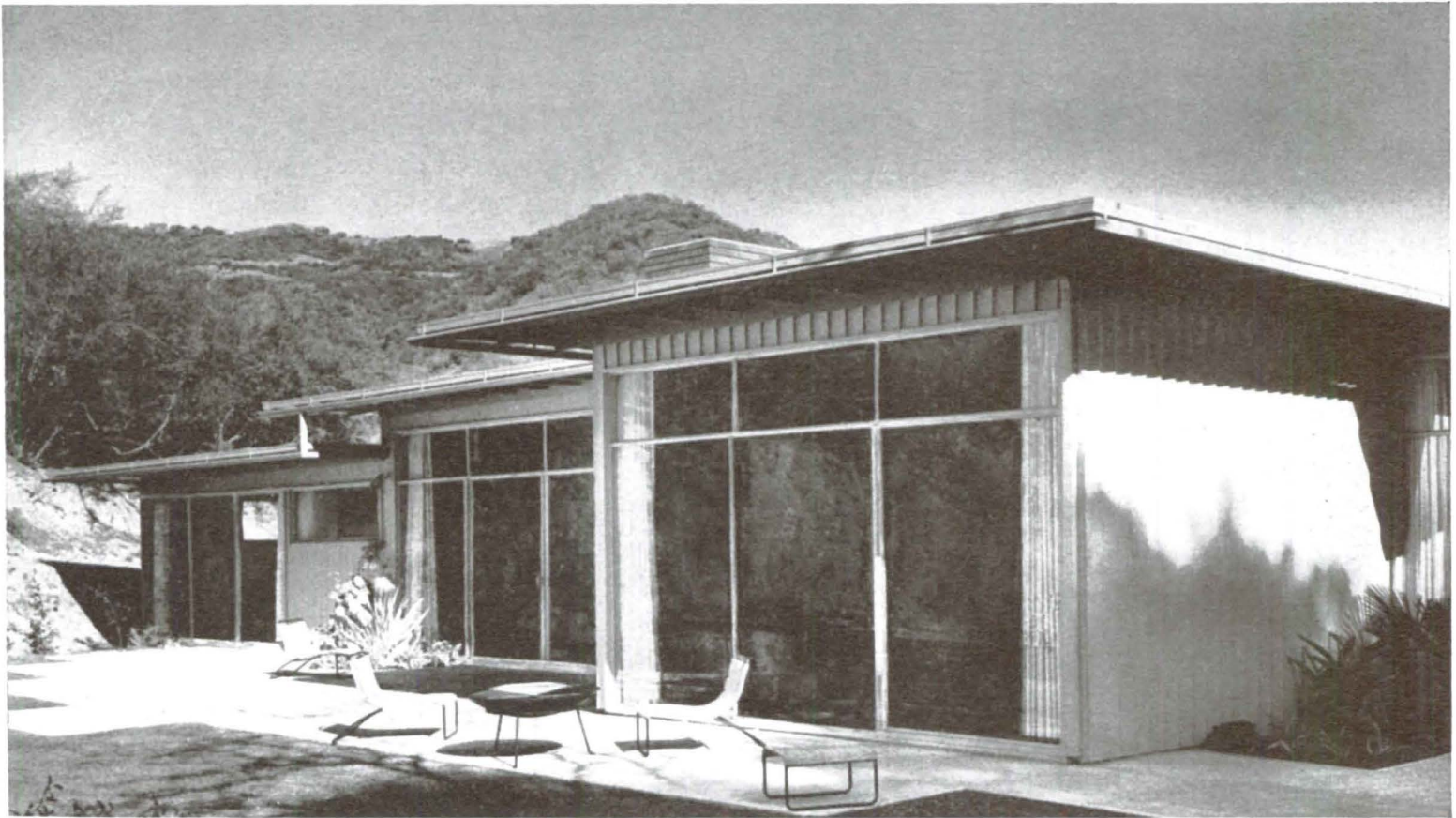
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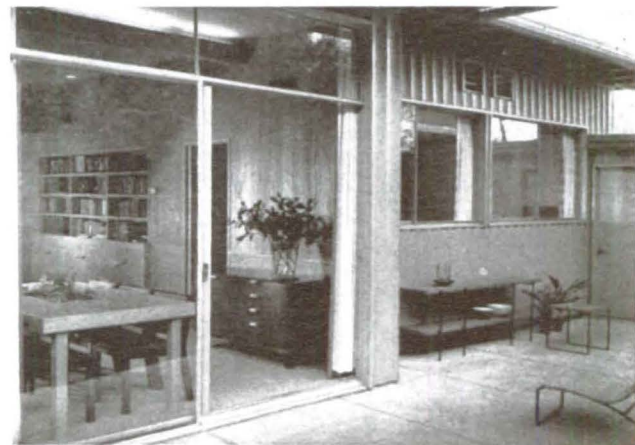
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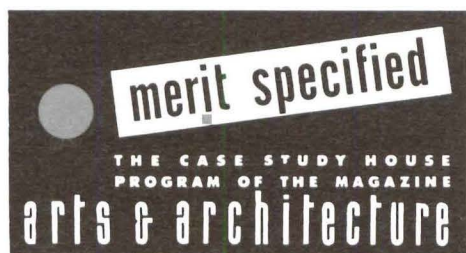


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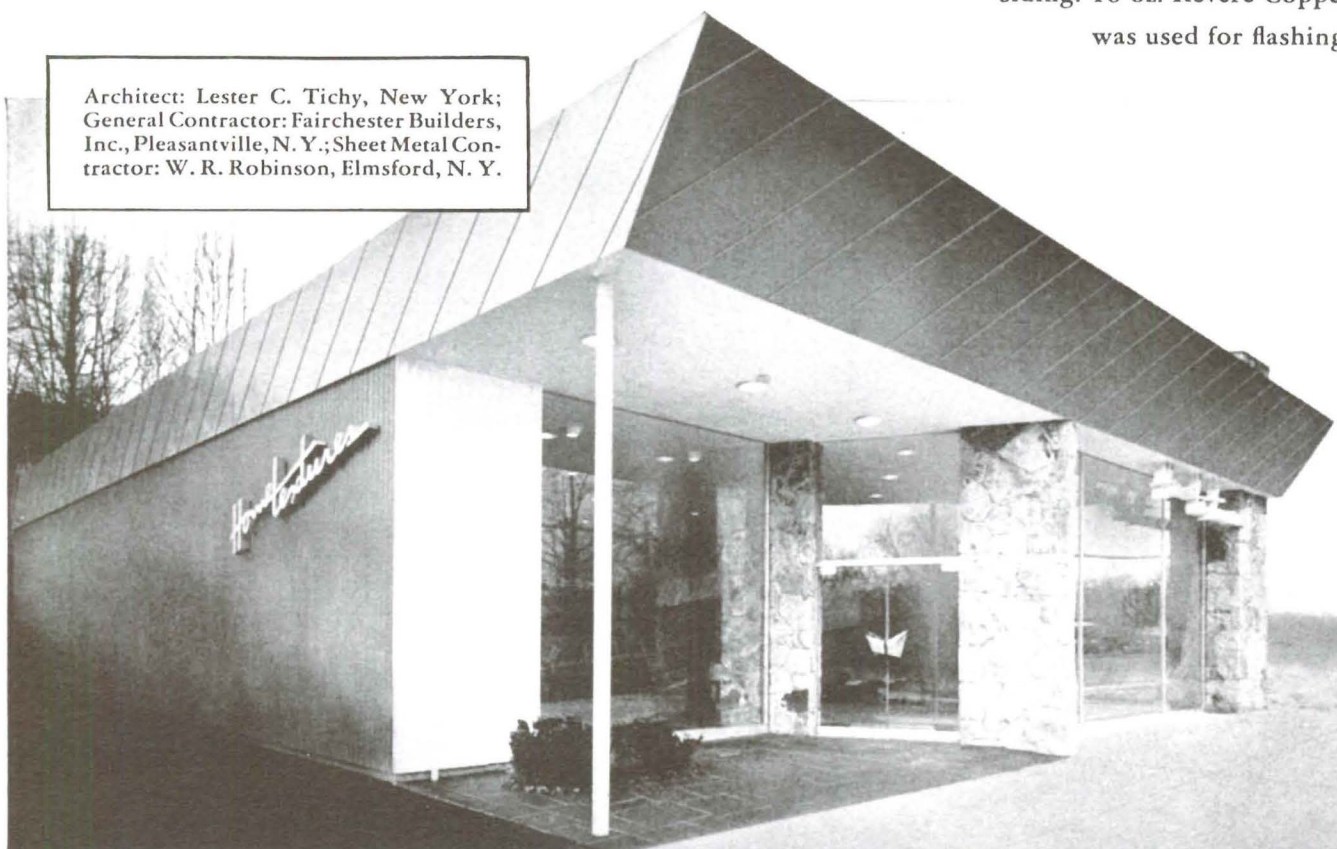
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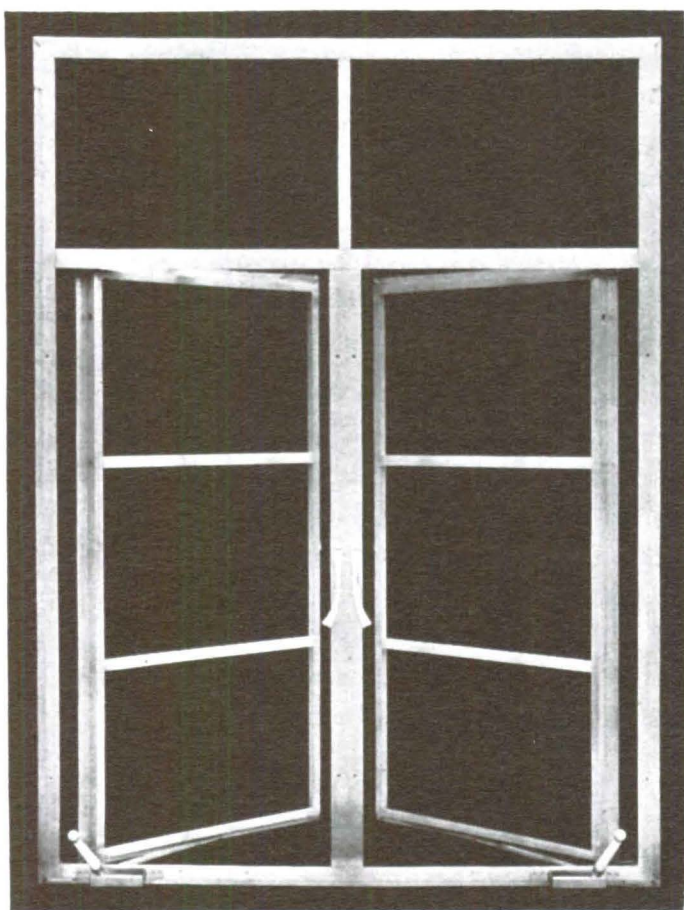
E. BOYD

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 Gotterdammerung-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,



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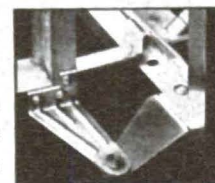
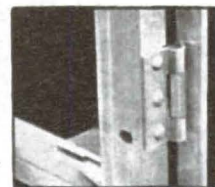
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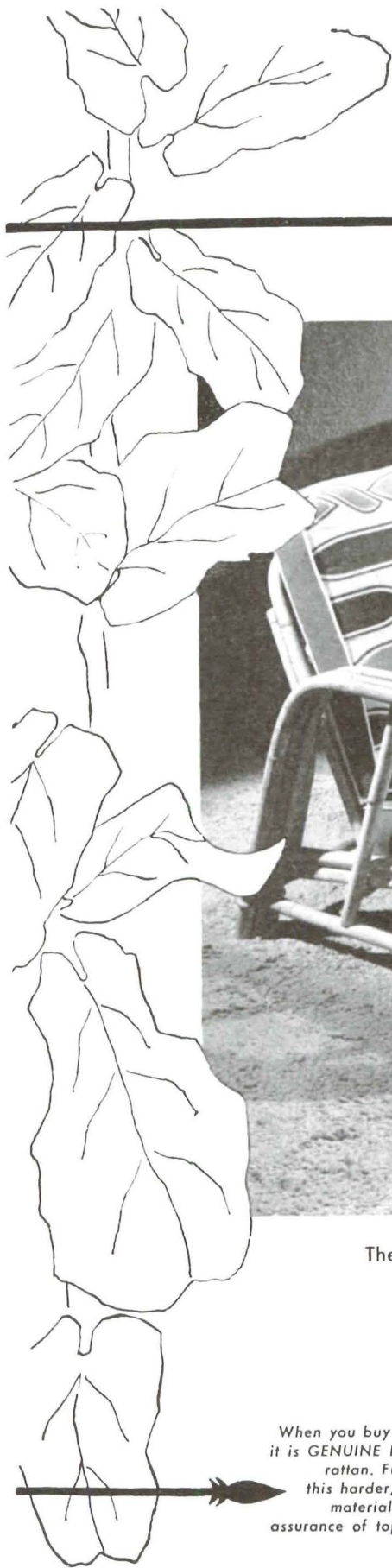
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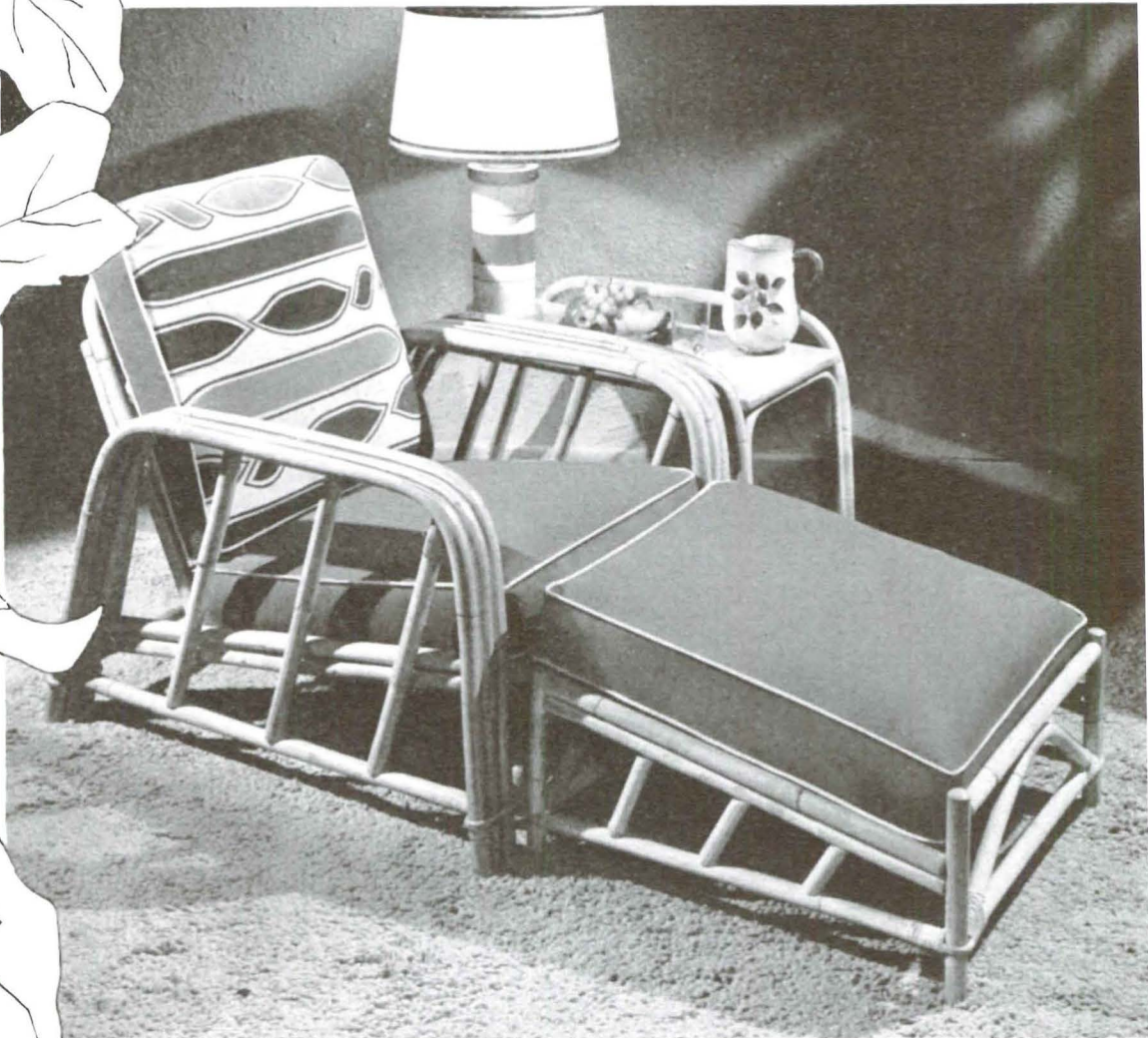
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and to open for it a field of vision limited only by the irritability capacity of the mind's powers. Needless to say, this has been a great blow to art critics, who are terrified to see the importance of the "author" being reduced to a minimum and 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 to sensory perceptions both positively and negatively. The reaction 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.

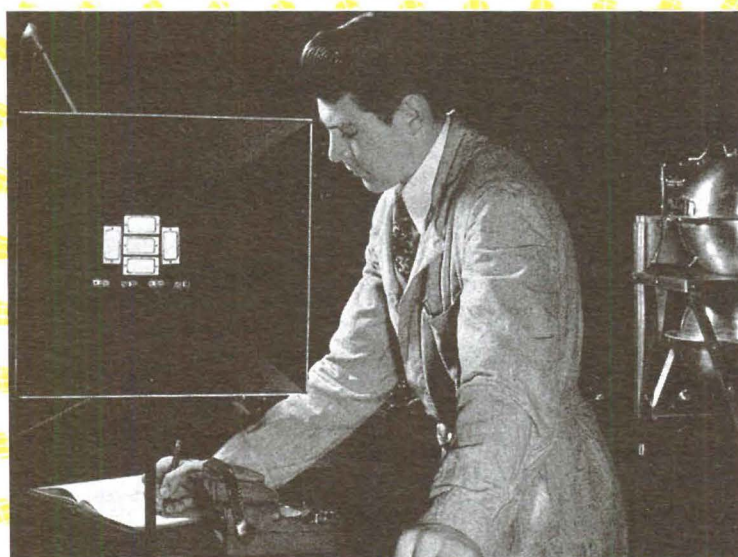
Without thinking at first in this show, we think that we have seen the same things painted in the same way by others—and so we have. It is only because the corpus of Ernst's work has come to us so lately that his followers seem to be his precursors. The collages—the one with ink spotted blotter is delightful—the 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 pretty—even passionate—pigment, but tired themes that have been restated and rehackneyed 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



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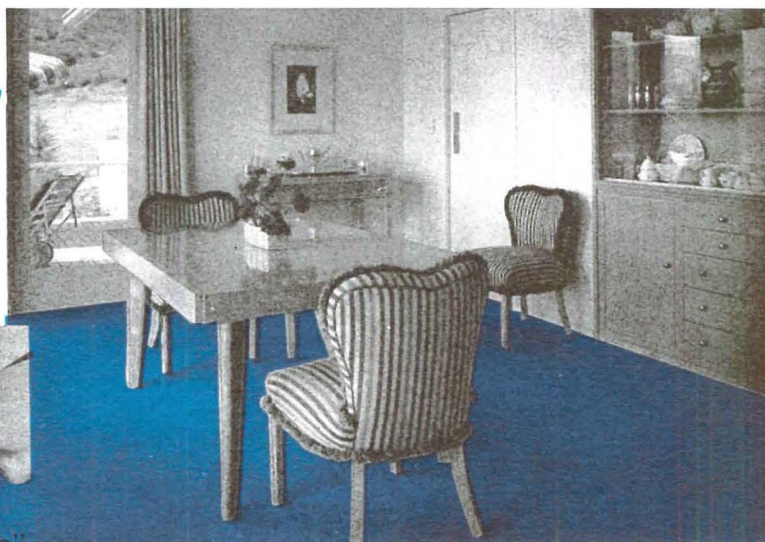
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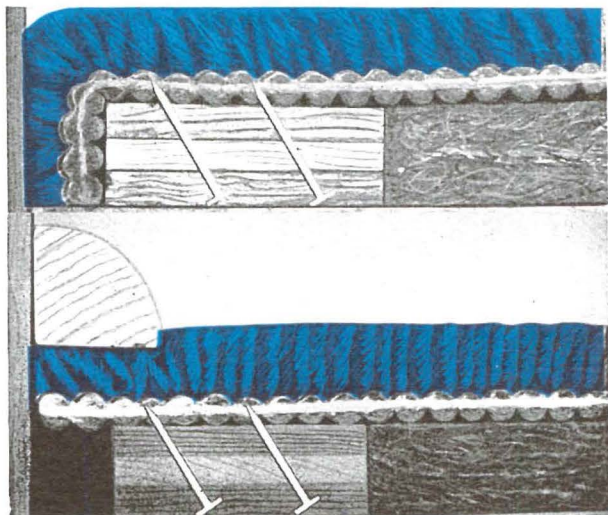
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bronze, are more frequently found. A wooden bobbin of satin polish and zoomorphic shape is as much of plastic elegance as of utility.

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 so 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 all-over growth 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 "Eyre," 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

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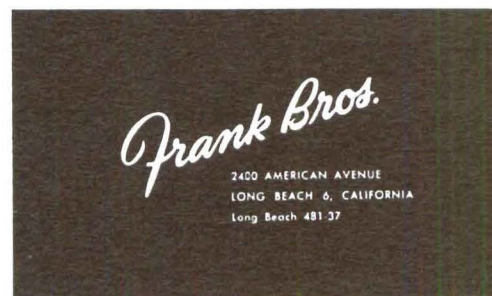
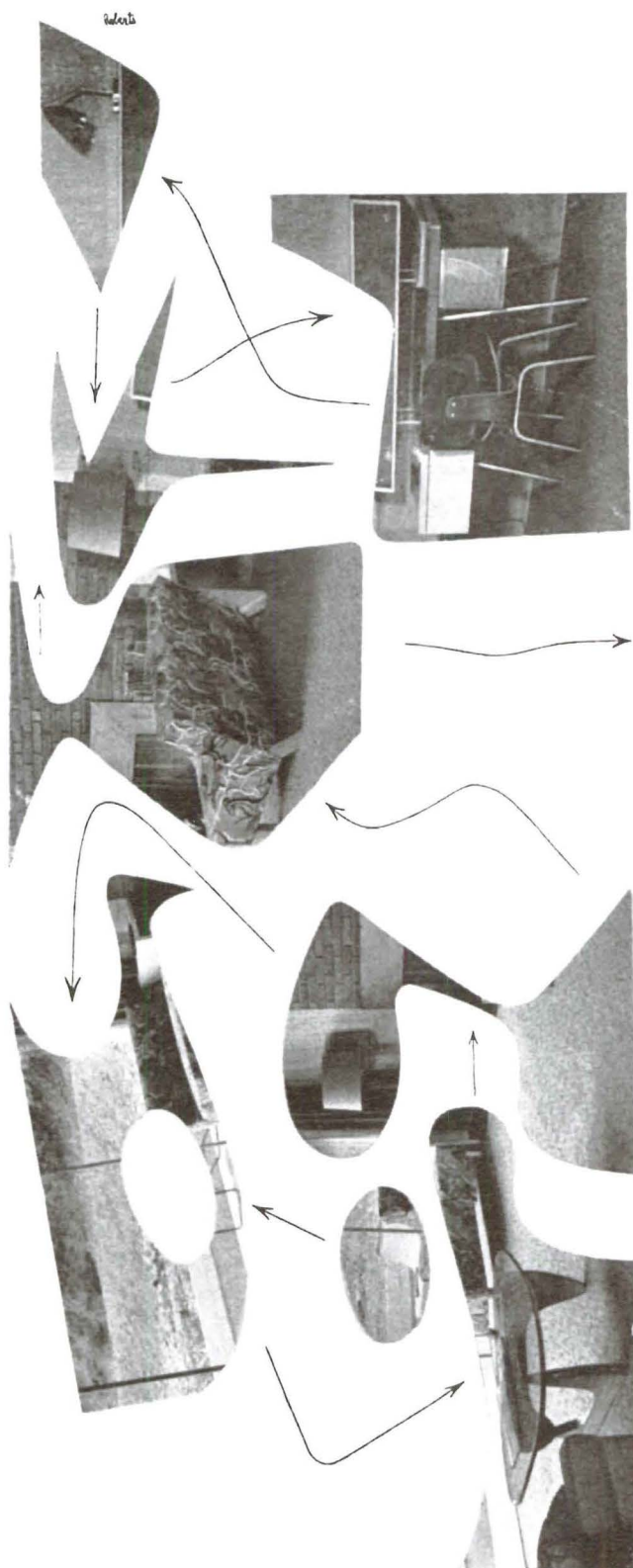
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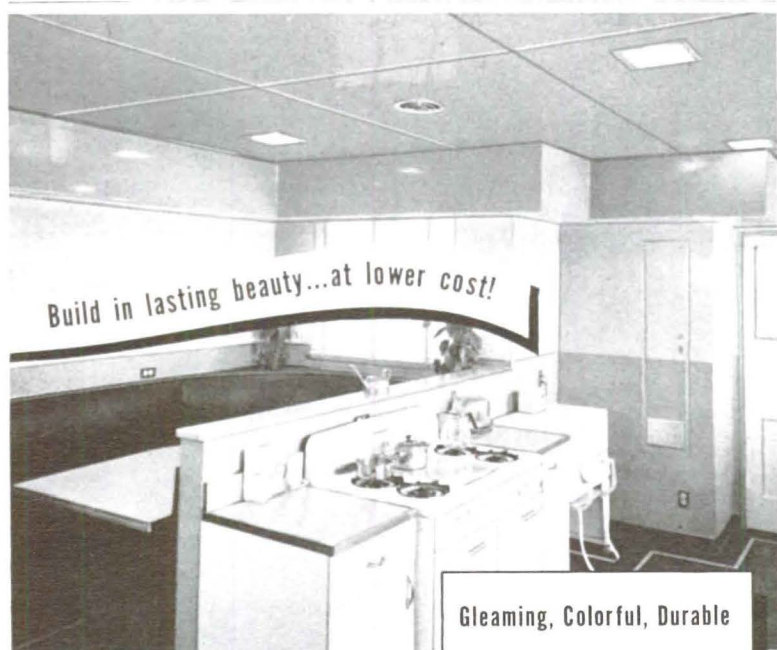


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he lives and restates his impression in symbols intact from his record. The result achieved by Charles Howard is the outcome of change and control of the minutest part. He seems to imply that the human being plays a dominant role within nature. Walter Stuempfig, on the other hand, in submitting to the authority of natural appearance, indicates that his is the more passive attitude toward man's relation to the whole.

The other painters are between the two extremes. Yves Tanguy obeys the appearance of the earth juxtaposed to air, of forms visually perceived in relation to earth and air. However, his forms are imaginative and his space is built out of a personal perspective. Finally, Ben Shahn moves another step toward the presentation of the seen; because of his distortion of volumes and brilliant use of color, so luminous, his work becomes highly plastic in organization. His psychological overtones, concerned with social content, cannot be separated from the intense harmony of his color. Sympathy for humanity combined with esthetic unity communicates a depth of feeling.

The loan exhibition entitled "19th and 20th Century Sculpture" contains works from both American and European sculptors. Along with such international figures as Lembruck, Gaudier-Brzeska and Epstein, a contemporary San Francisco group is also shown. An image in concrete by Adaline Kent, a worked boulder by Richard O'Hanlon and an open-solid wood sculpture by Zygmund Sazevich are three of the noteworthy pieces. The installation not only points up the historical aspect, but the divergent directions in style as well. Spread-metal screens and large, broad-leaf plant material related to the sculpture give the show an out-of-doors quality.

The Decorative Arts Gallery at the San Francisco Museum of Art has a most welcome and timely exhibition. "Design in the Kitchen" is the first of a series of four exhibitions to project the possibilities for good design in mass produced, useful objects. Both function and beauty have influenced the choice of material shown. The fact that the kitchen has entered the museum indicates how much the world is changing. A stove may be beautiful as well as useful. Considering the so-called **applied arts** along with the so-called **fine arts** is definitely a sign of health.

To report on the opening of a new gallery in Berkeley at this time seems pertinent. It is the third for Berkeley. Added to the two already in existence, the University of California Art Gallery and Daliel's, the California Centennial Gallery under the Directorship of Mr. Frank Joyce has just been opened in the Berkeley Public Library. Because it is easily accessible to the Berkeley public, it should have a fine attendance. The opening exhibition is composed of oil paintings of historic houses of California by Marion Parsons. Houses from our romantic past are vehicles for direct, personal statements in such paintings as "Hot Spot—Mokelumne Hill" and "House in Nevada City."

Looking ahead, a memorial exhibition honoring the work of Robert Furrer will be held in the spring at the California Palace of the Legion of Honor. Robert Furrer's achievement in sculpture is enviable in its daring inventiveness, though he had just begun to make his contribution. It was at the California School of Fine Arts that Robert Furrer's talent was encouraged, nurtured, developed. He was a student at the school from 1941 to 1946, and his record was one of success. He received scholarships while he was a student and later was a recipient of a traveling fellowship from the school. He worked and progressed in New York during the years of 1947 and 1948. A memorial fund to honor his memory is now being established by those connected with the school. The fund will be used for a collection of Modern Art slides for the California School of Fine Arts.

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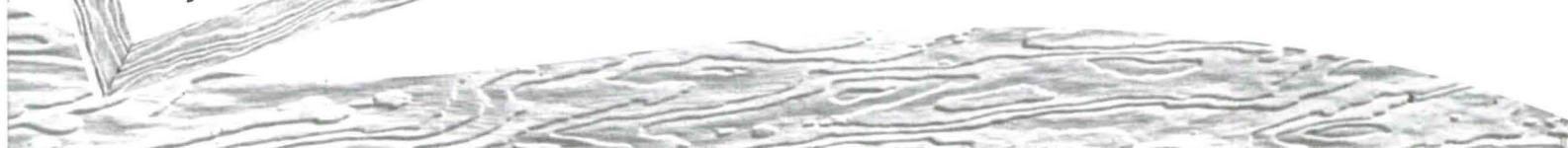
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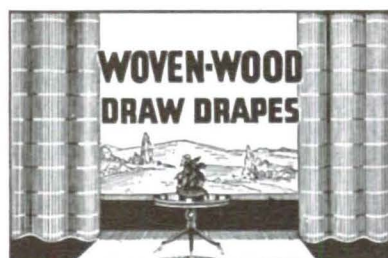
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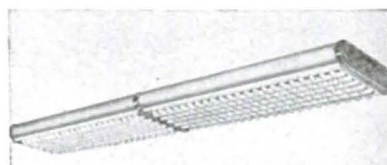
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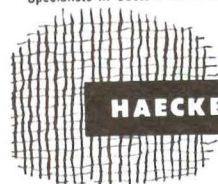
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CINEMA

ROBERT JOSEPH

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. Some twelve years ago Katherine Hepburn and Paul Lukas starred in a film version of the celebrated classic, and this we also remember with affection. I remember 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 hoke, whimsey and studied niceness that will revolt even fourteen year olds with its lack of reality and super-saccharine qualities. I like "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 scrubbed and polished Hollywood virtue, which is what 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

PETER YATES

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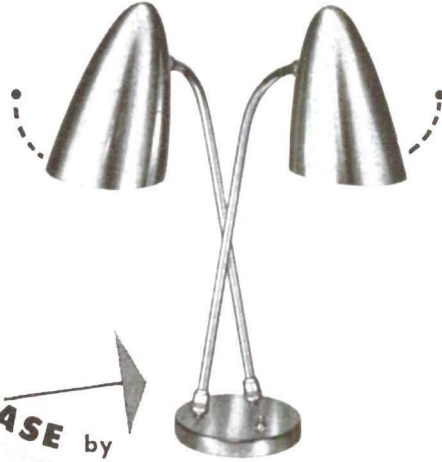
Dancing is the most intensively cultivated, the most meaningful of the primitive arts. It is perhaps the oldest of the arts, that one most closely linked with the religious and sexual magic by which awakening group intelligence tries to control or direct the awesome facts of diabolic circumstance. In 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 certain 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

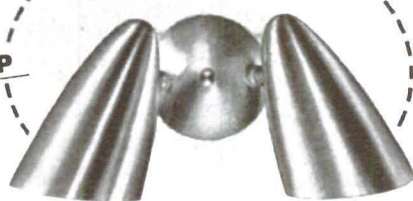
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recital by Maracci. Her peers, the leading professional dancers, and dance specialists agree that she is one of the supreme technicians of modern classical ballet and also, surprisingly enough, of Spanish styles, besides being an unrivalled performer with the castanets. The successful mingling of these separate conventions requires a choreographic mastery which makes each of her dances a unique combination of opposing idioms. To these strictly formal elements of the dance she adds a gift for dramatic expression, a control of stage space, an ability to people the stage with unseen characters, a power of facial expressiveness, and a sense of timing that could have made her a great actress, if she did not dance.

Success in any one of these fields might have come easily to Maracci, had she been less inclusively talented. Impediments that a lesser artist would take in stride become for her nearly insuperable handicaps. Like any virtuoso who is also and primarily a composer she prefers composition to performance. **Timing**, for instance, the most indispensable factor of a successful dance performance, depends to a large extent on an immediate responsiveness between dancer and audience. A composer of music may commit his manuscript to print and himself never play it. If he does perform it and suffers the indifference accorded Paderewski or Busoni under such circumstances, he is not for that reason cut off from either the present or the potential audience. He may print his own compositions and play other men's music. A dance composition must succeed or fail before the immediately present audience. It can survive only in the presence of the artist. And the more complex the dance, no matter what its quality, the less likely it is to be comprehended in the orchestra seats.

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 **Capriccio** of an aristocratic hag 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 *developé 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 implements 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 as 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 Musicale*, 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.

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FOR CASE STUDY
HOUSE NUMBER 3



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"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 rights of all men everywhere and certainly includes those in our own Deep South.

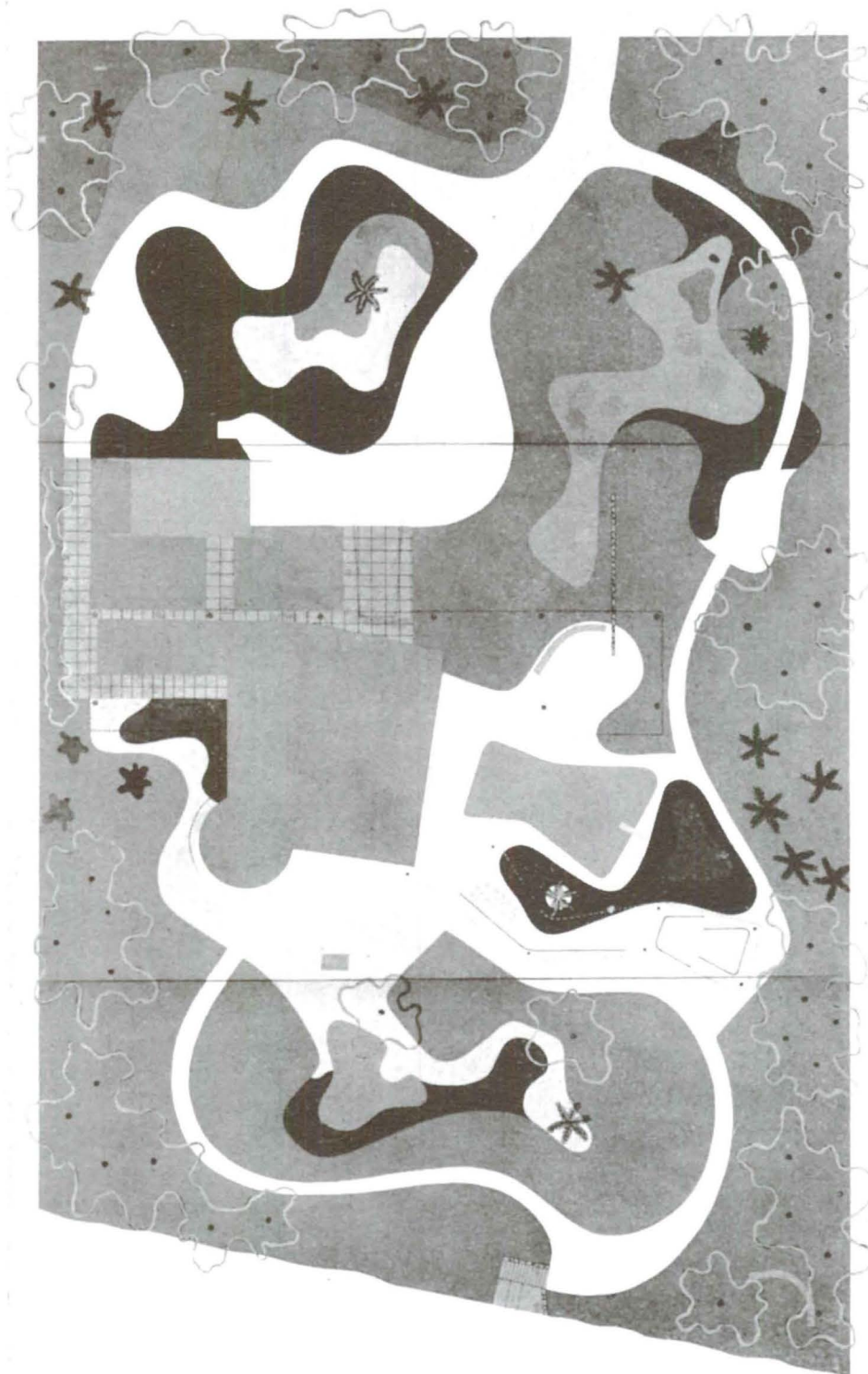
It will be hard to explain that this politicking against a civil rights program is part of a regional conflict having to do with social and economic factors that are in the long, slow process of being worked out by people of good will on both sides of the question. On the surface it looks, and certainly 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 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.



LANDSCAPE DESIGN: ROBERTO BURLE-MARX

Material courtesy of The Museum of Modern Art and the office of Lulah Maria Riggs and Arvin Shaw, III.

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.

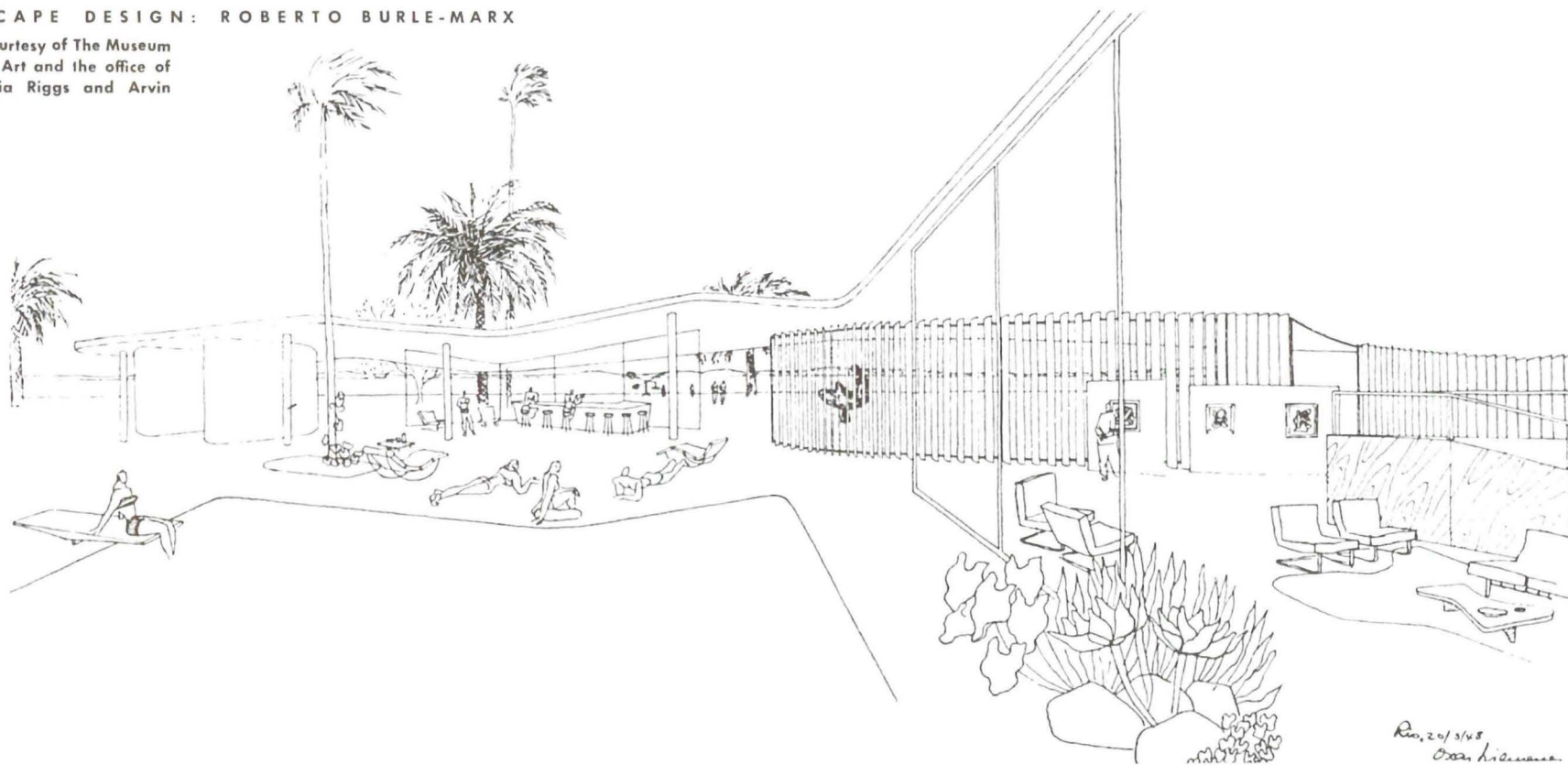
These irregular, free-flowing shapes came into architecture in the thirties in the work of such men as the Brazilian landscape architect, Roberto Burle-Marx. The Niemeyer house demonstrates the successful architectural integration of these complex and varied influences from the related arts.

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.

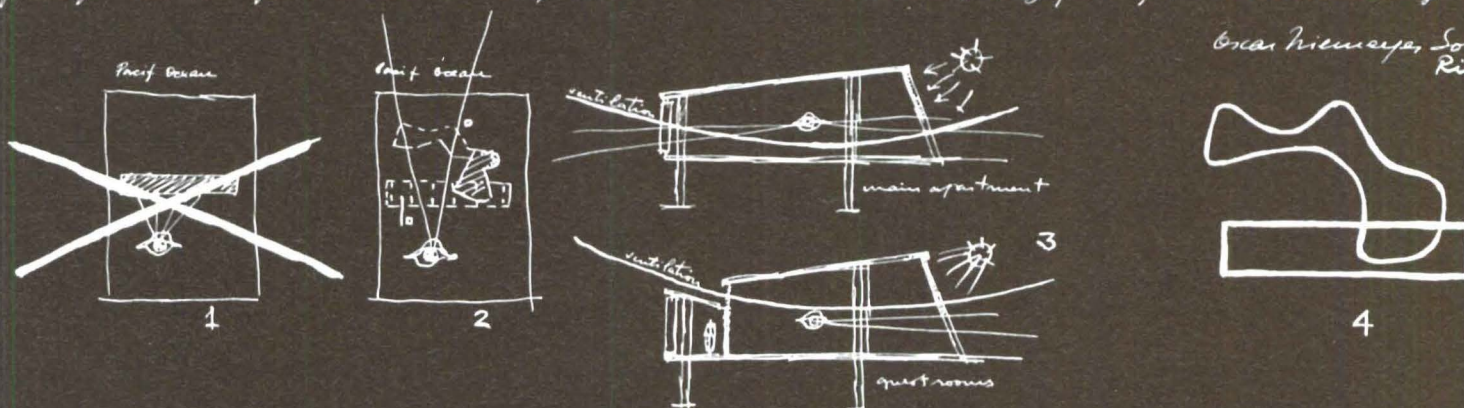
OSCAR NIEMEYER, architect
detailing and execution
LUTAH MARIA RIGGS, A.I.A. AND ARVIN SHAW, III

P R O J E C T F O R A

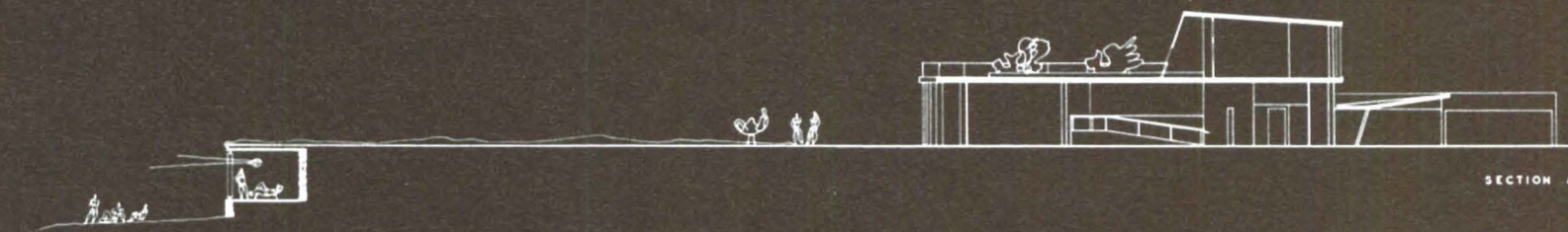


The plan

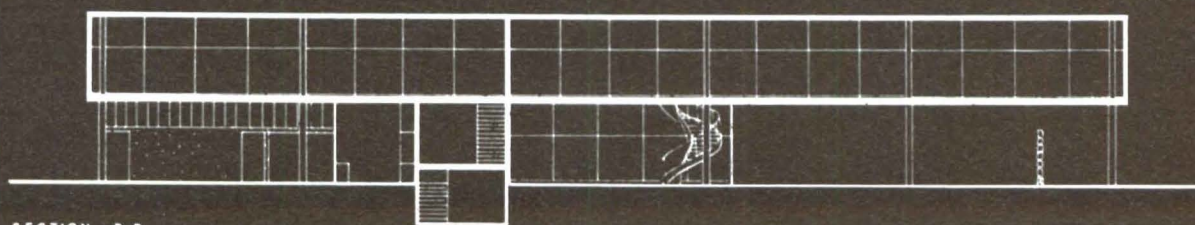
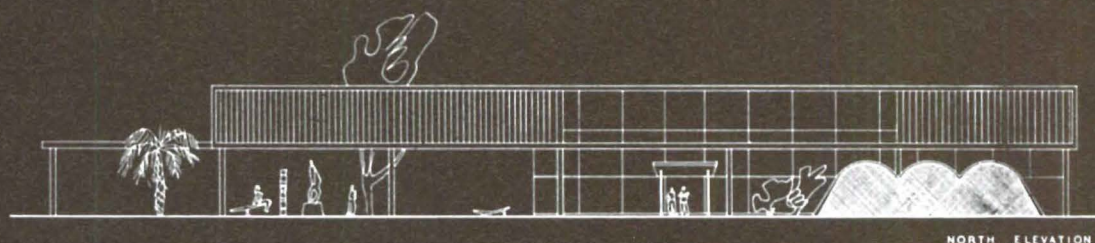
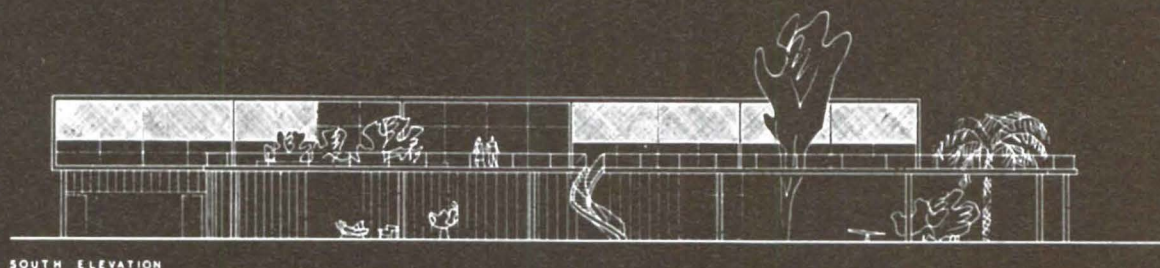
the solution adopted, in accordance with the living requirements as specified and the local conditions, is very well suited to the terrain and further, which is important, takes maximum advantage of the marvelous view offered by the Pacific Ocean. With this in mind we tried to avoid, initially, any plan dividing the property into two parts, thus shutting the view from the entrance (fig 1). Hence the adoption of "piloted" and the disposition of ground floor construction contrary to that of the second floor block (fig 2). The solution allowed the living to face the east, protected when necessary by varandas and "brise soleils". The bedrooms, which we thought should look toward the sea, were facing to the south, where provided with view to the north, thus permitting good ventilation and light (fig 3). From this standpoint we tried to provide every part of the building with pleasant atmosphere. The living and dining room in the ground floor were connected with the garden and swimming pool by a large "maquis" under which were located seating places such bars, etc., protected against the wind and fixed glass panes. A music room 3ft above the floor in the living room has also been planned which will permit dancing around the bar and the swimming pool during parties. The service reasonably distributed meets the requirements of the program; the laundry was provided with a dumb-waiter and tubes connecting it directly with the clothing-store located on the top floor. On this floor the rooms as well as the main apartment are connected to the swimming pool by means of external stairs. A wooden trellis serves as a sunshade to the rooms forming at the same time private and pleasant varandas. "Brise soleils" have been foreseen to protect externally. Easy to handle they will enable to control the rays of the sun and excessive light with shutting out visibility. In the bedrooms they will work as curtains giving light protection and privacy. Architecturally the solution is simple and pure - composed by two definite forms: one formed by a rectangular block which corresponds to the second floor and the other contrasting with the first one constitutes the ground floor construction (fig 4) sculpture paintings have been planned not as independent elements but as integrating part of the whole - enriching and completing.

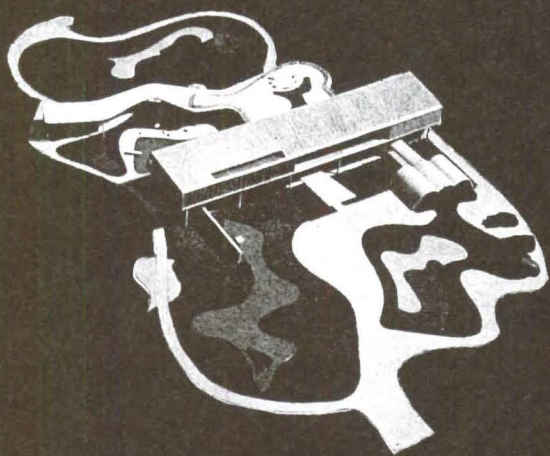


Gran Niemeyer, Soane, 1948.
Rio.



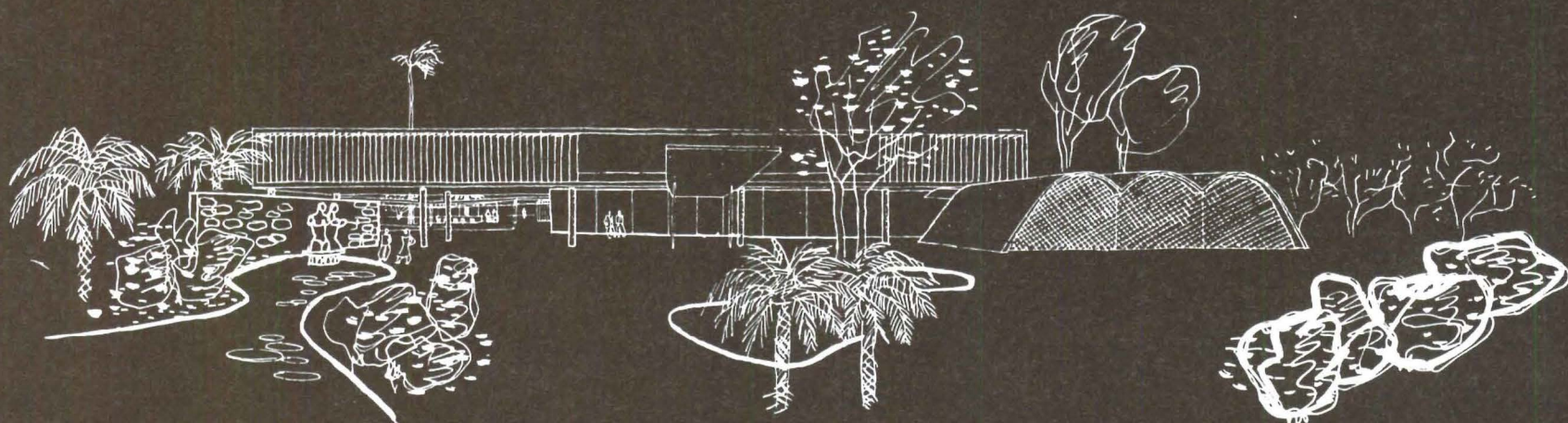
HOUSE IN SANTA BARBARA



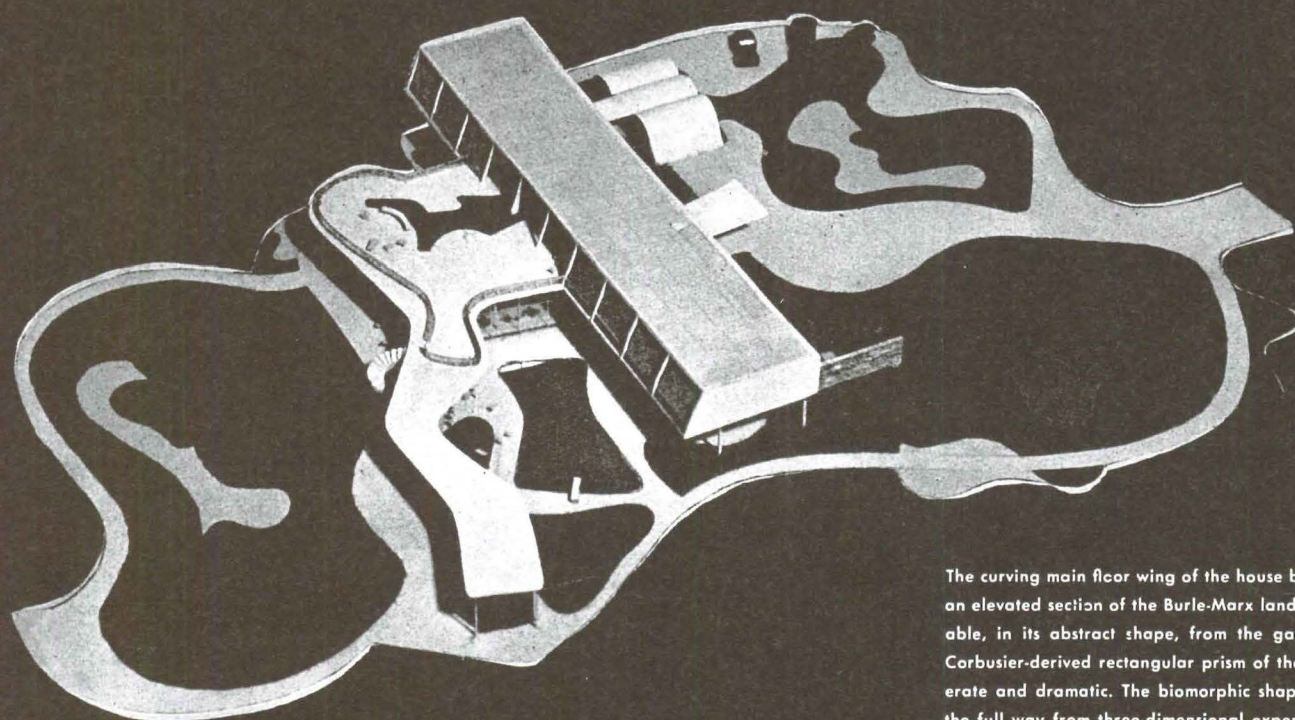


OSCAR NIEMEYER, architect

detailing and execution,
LUTAH MARIA RIGGS, A. I. A. AND ARVIN SHAW, III

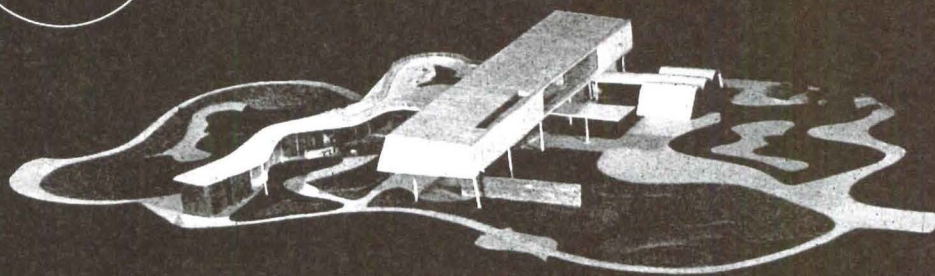
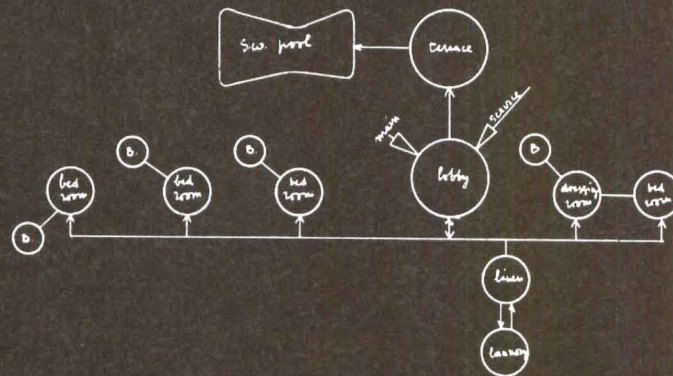
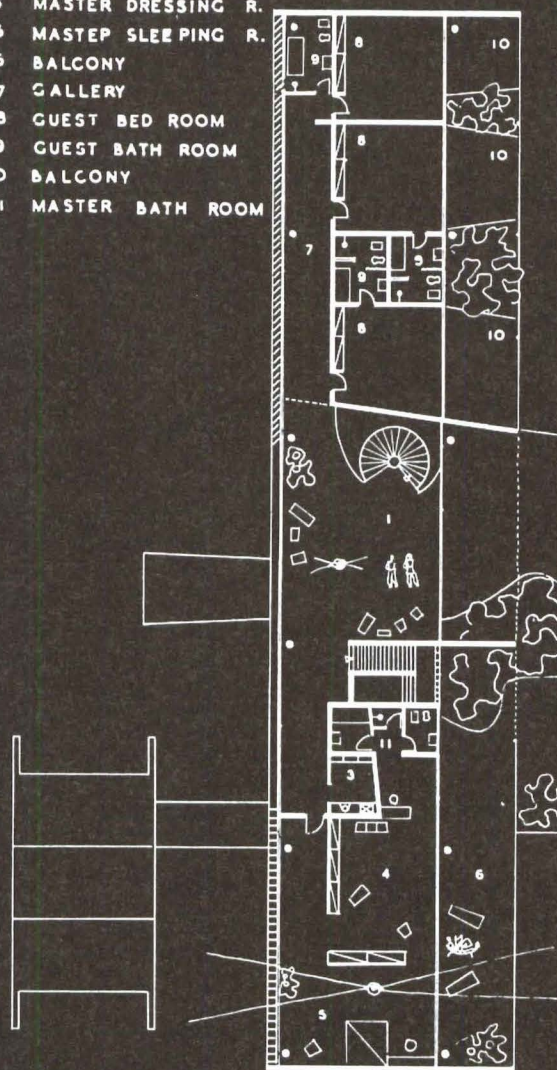


*Rio, 20/3/48
Oscar Niemeyer*

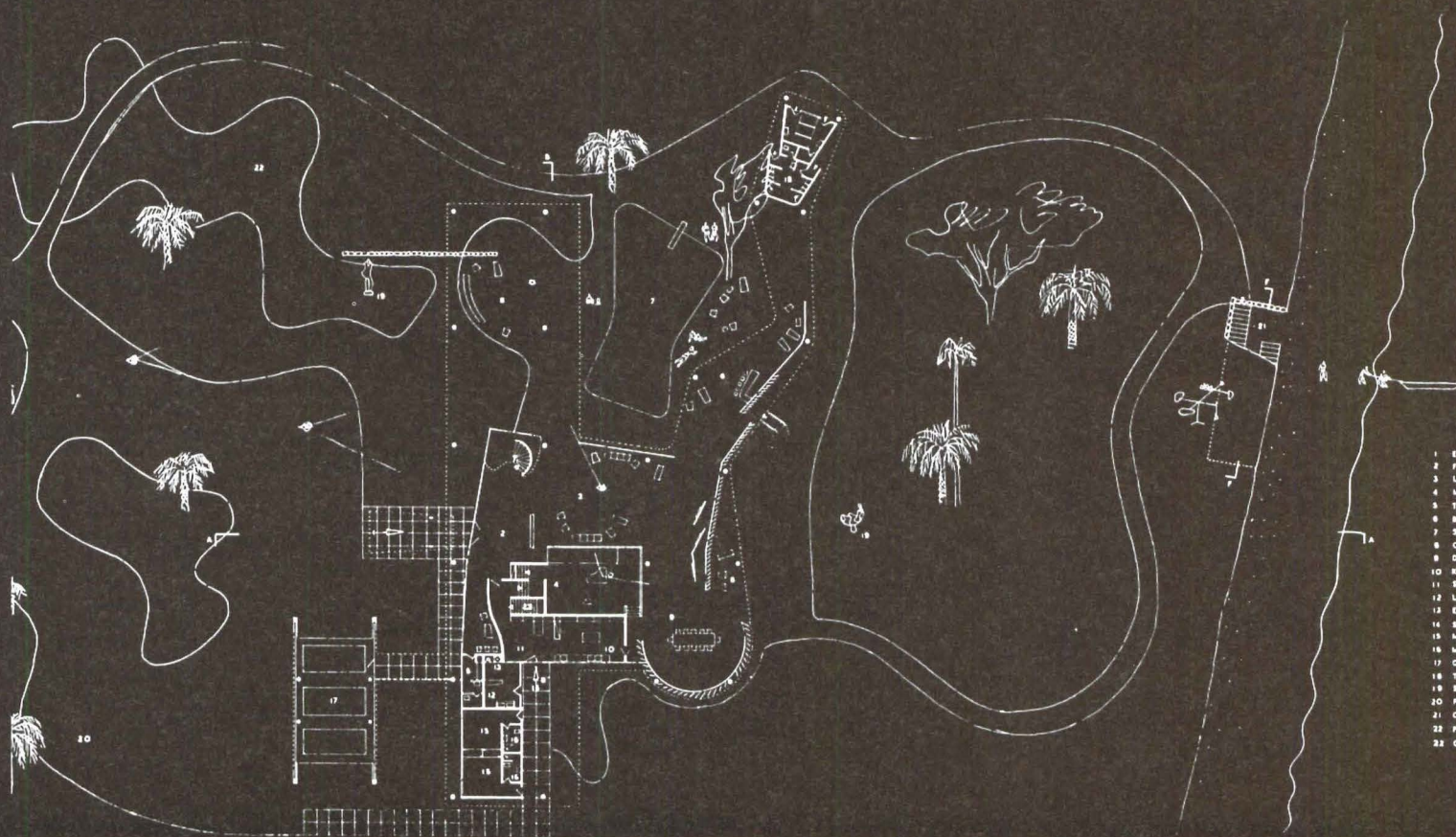


The curving main floor wing of the house by Oscar Niemeyer is almost like an elevated section of the Burle-Marx landscape plan, scarcely distinguishable, in its abstract shape, from the garden. The contrast with the Le Corbusier-derived rectangular prism of the raised living quarters is deliberate and 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.

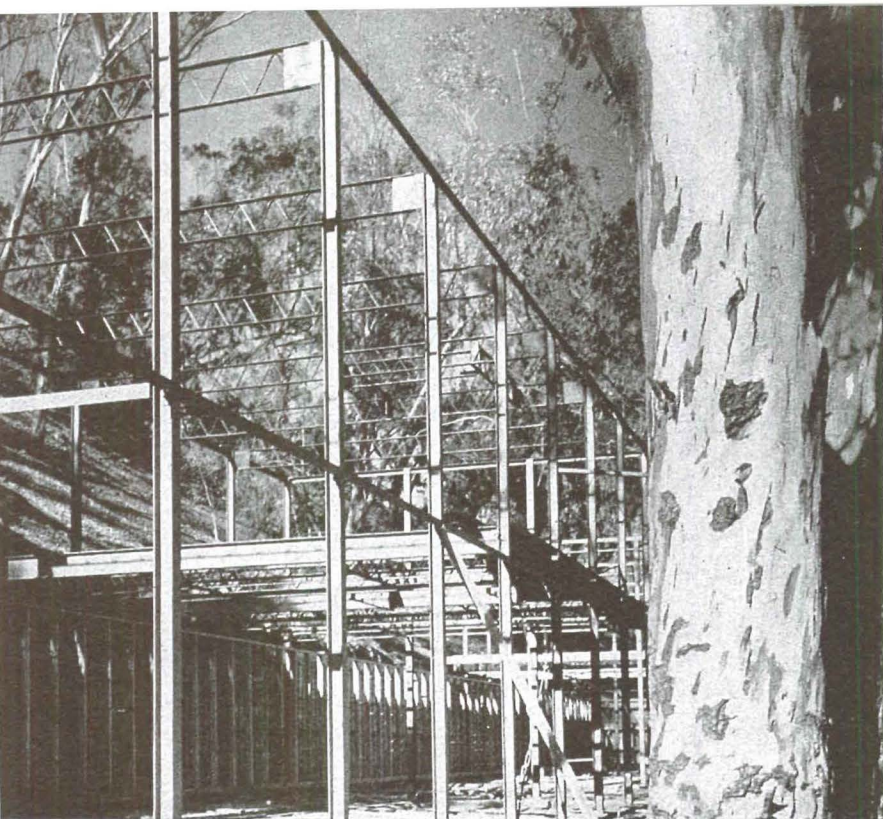
- 1 LOBBY
- 2 TERRACE
- 3 LINEN
- 4 MASTER DRESSING R.
- 5 MASTER SLEEPING R.
- 6 BALCONY
- 7 GALLERY
- 8 GUEST BED ROOM
- 9 GUEST BATH ROOM
- 10 BALCONY
- 11 MASTER BATH ROOM



SECOND FLOOR PLAN



- 1 ENTRANCE
- 2 Foyer
- 3 LIVING ROOM
- 4 MUSIC
- 5 TOILET
- 6 BAR
- 7 SWIMMING POOL
- 8 OPEN AIR LIVING
- 9 DINING ROOM
- 10 KITCHEN & PANTRY
- 11 SERVANT'S DIN & SITTING
- 12 LAUNDRY
- 13 ELEVATOR
- 14 SERVICE ENTRANCE
- 15 MAID'S BED ROOM
- 16 MAID'S BATH ROOM
- 17 GARAGE
- 18 TOILETS
- 19 SCULPTURE
- 20 PARKING
- 21 CABANA
- 22 POOL
- 23 CELLAR



Looking north toward the hill and retaining wall into what will be an 18' high living room—the roof joists will remain exposed.



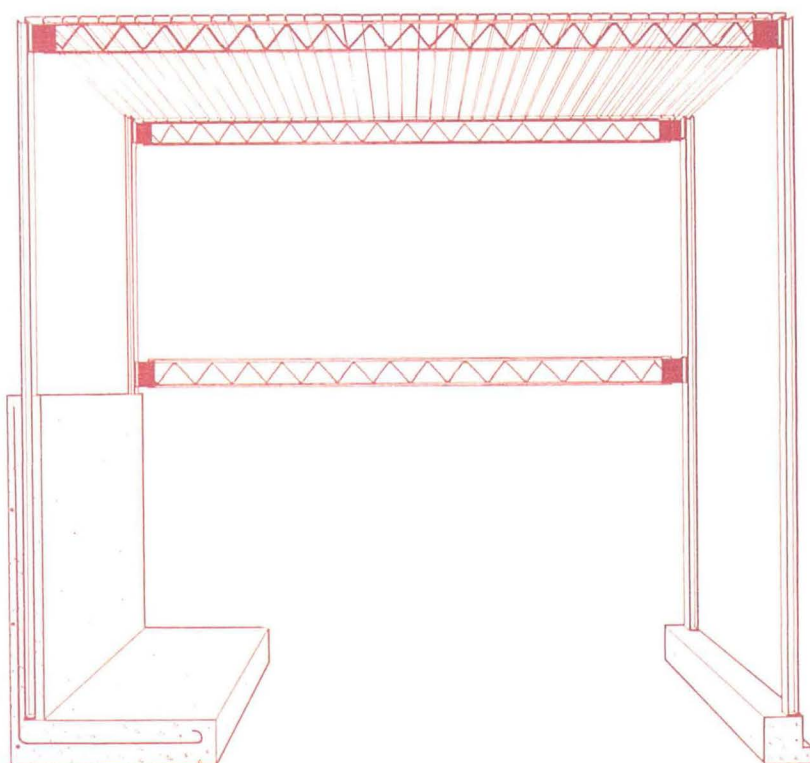
The 11½-ton steel frame shown was erected in a day and a half with a total of 90 man hours.



CASE STUDY HOUSE FOR 1949: *the steel frame*

DESIGNED BY CHARLES EAMES

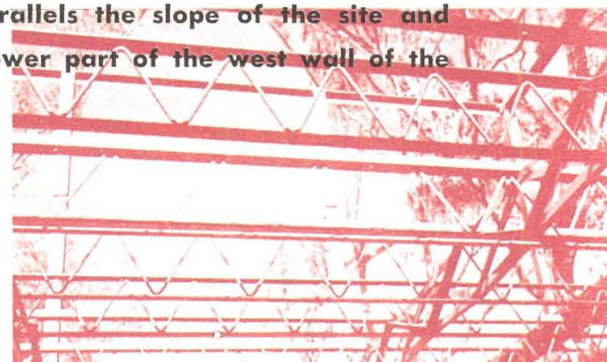
consulting architect: kenneth acker
general contractors: lampert, cofer and salzman

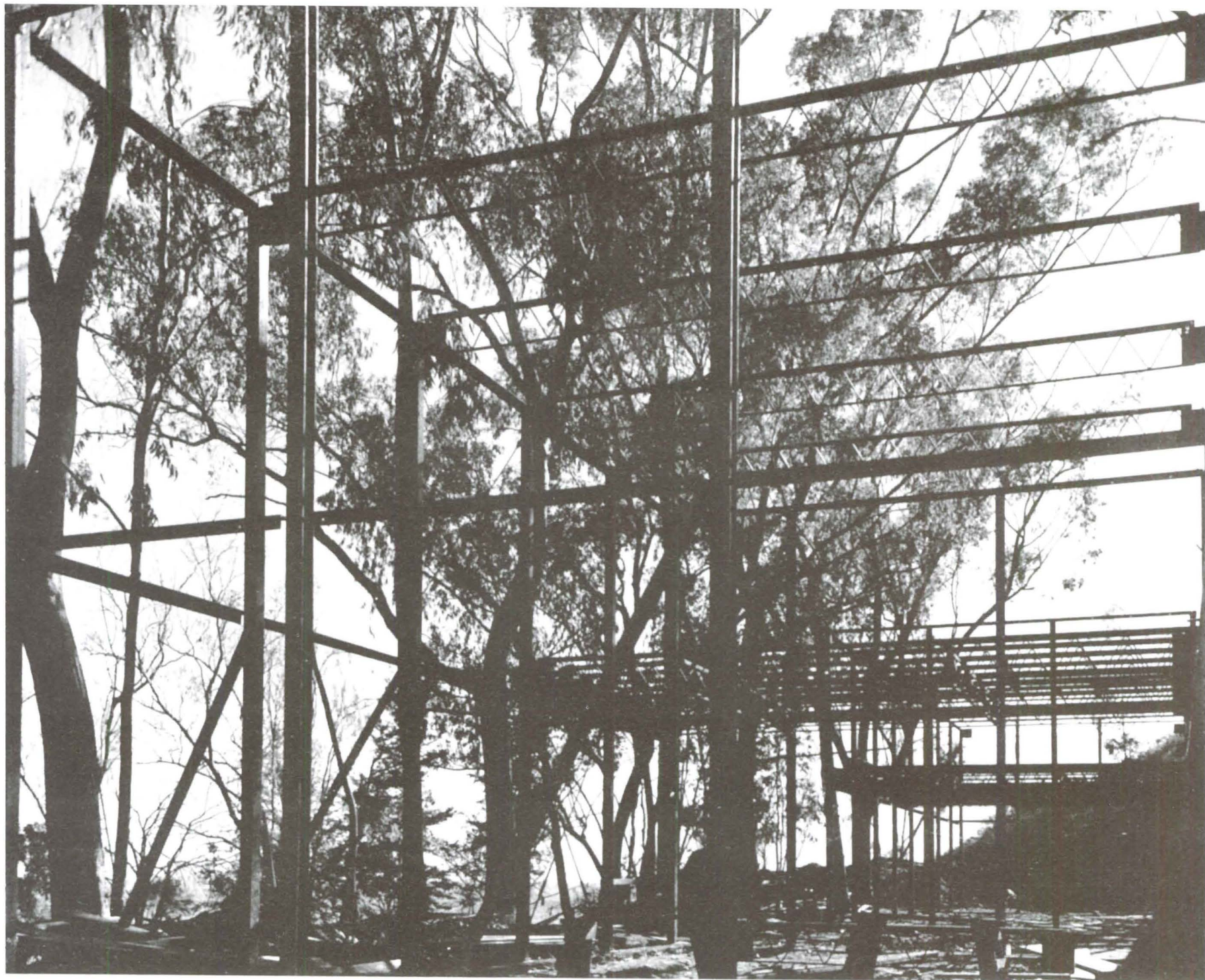


This cross-section through the structure and retaining wall shows the joists condition at both the two-story and the 18' high bay. Extending 18'0" above the finished floor lines are two rows of 4" H columns 20'0" apart—these are spaced to form 7'4" bays. The west row is half embedded in the eight-foot 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.

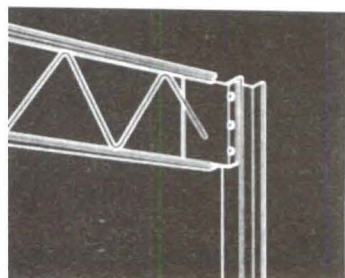
It shows itself here as a natural and unaffected development of a modern building idiom—while much of its present character will be lost, some will be saved. New elements will gradually take over—the danger comes from the possibility of many new elements taking over. The house is in two units, one of 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.

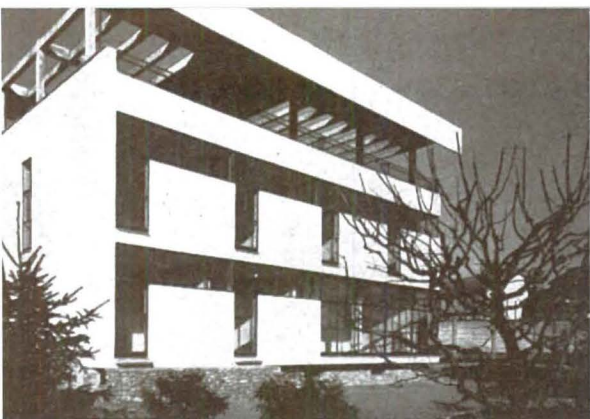




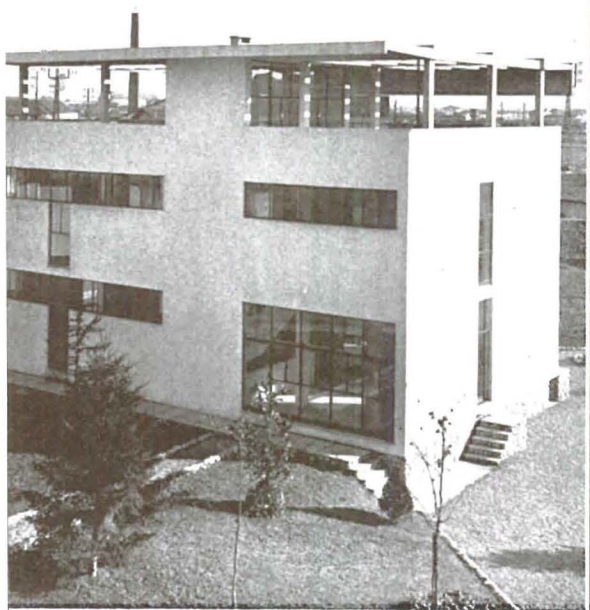
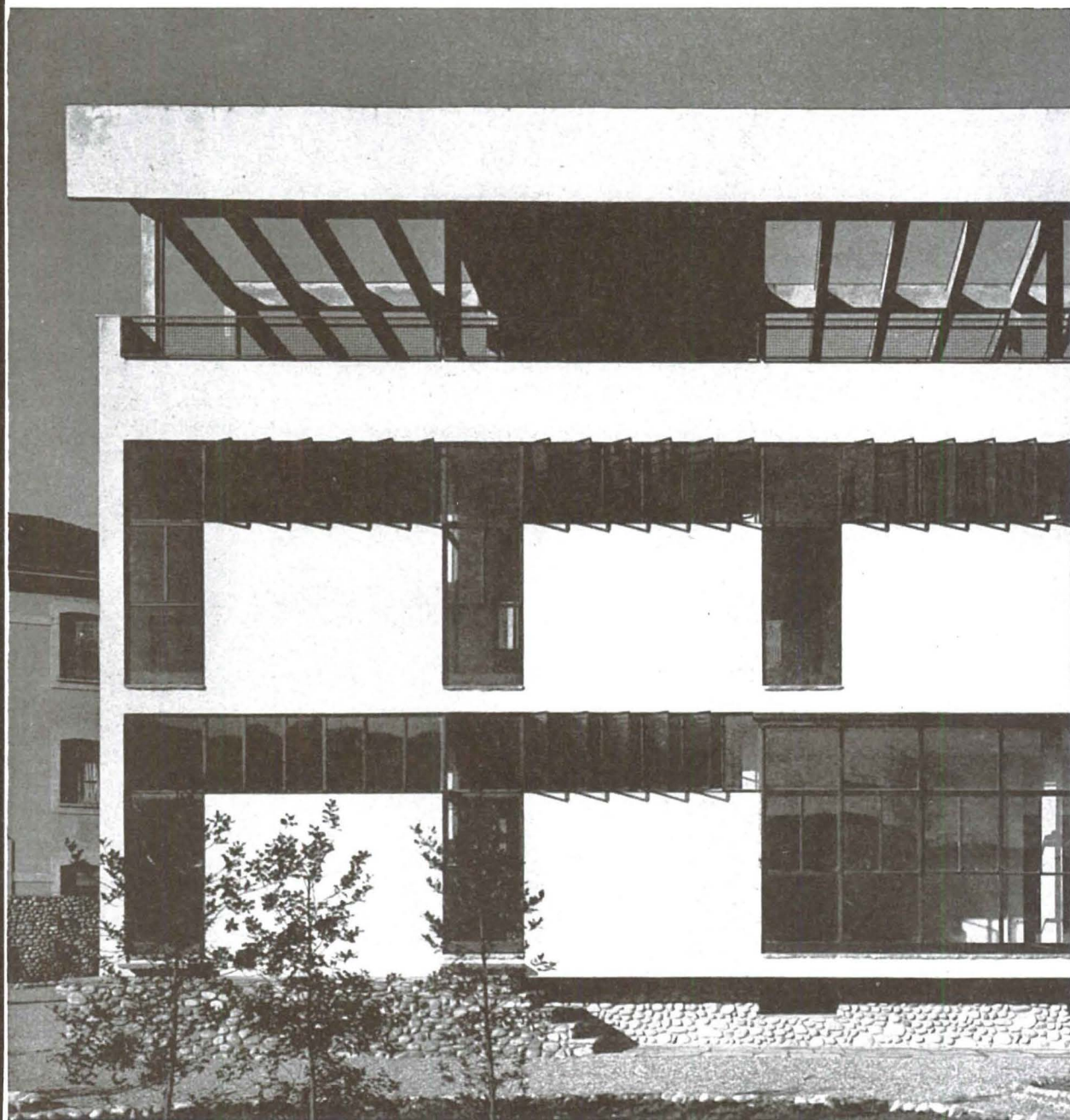
Above: looking south through the structure toward the sea—the retaining wall is on the right.

Below: the sheer connections and the open web pattern of the joists set the character of the structure.





H C



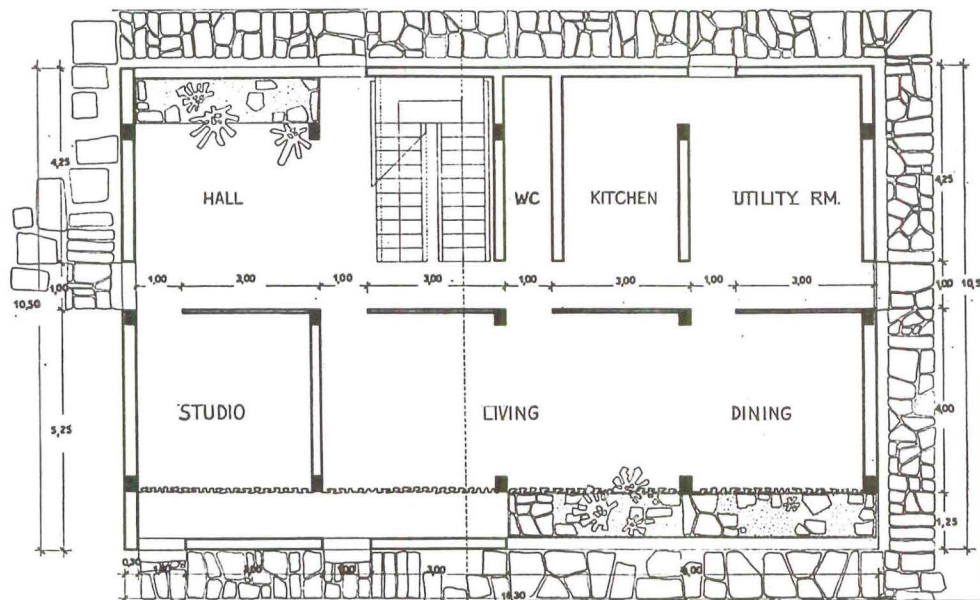
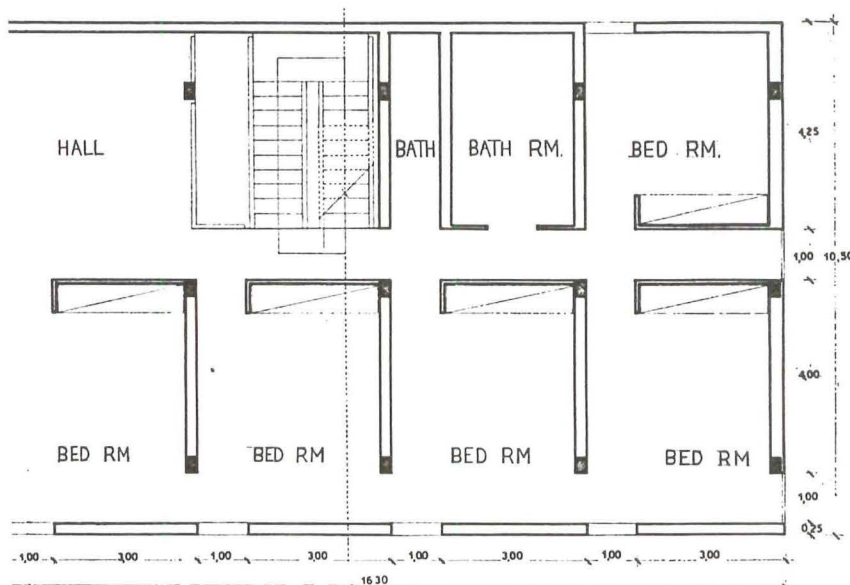
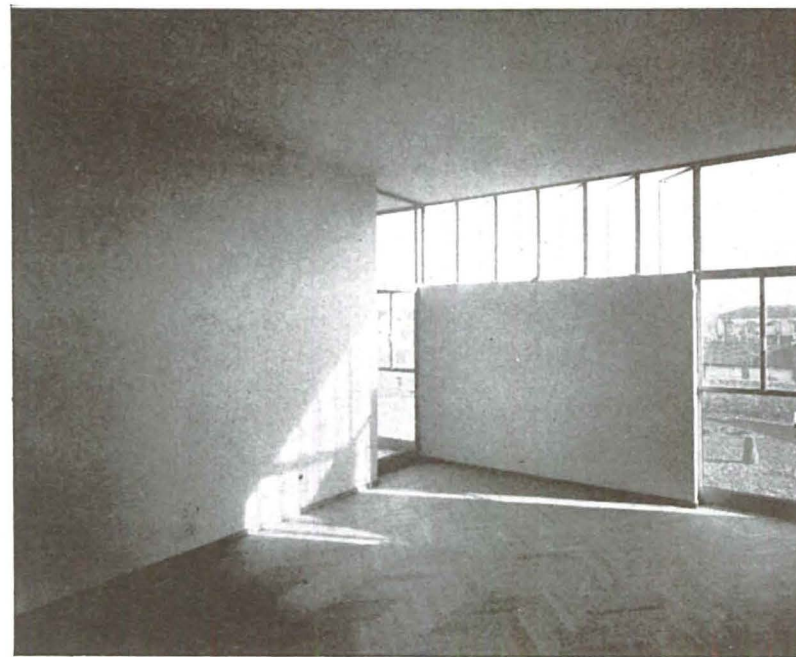
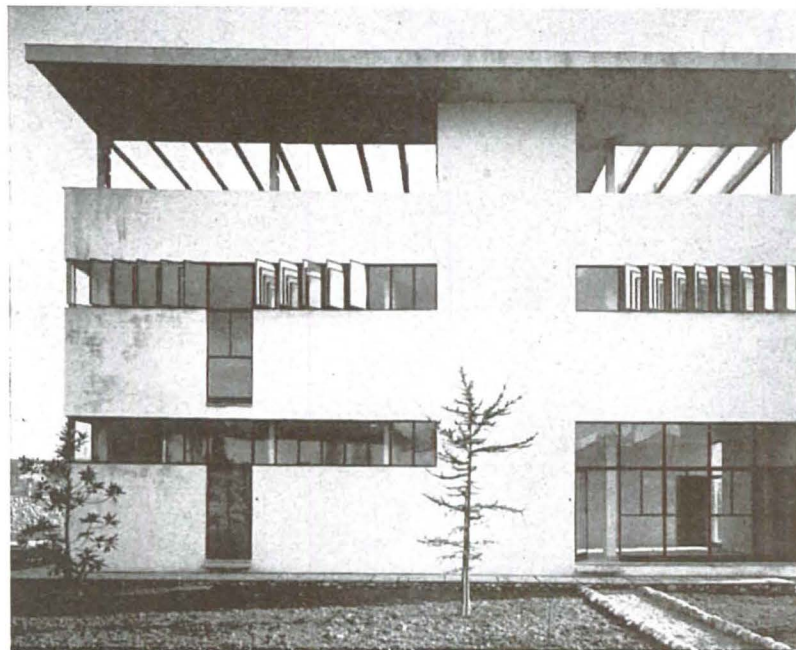
GIANNI
PATRINI
architect

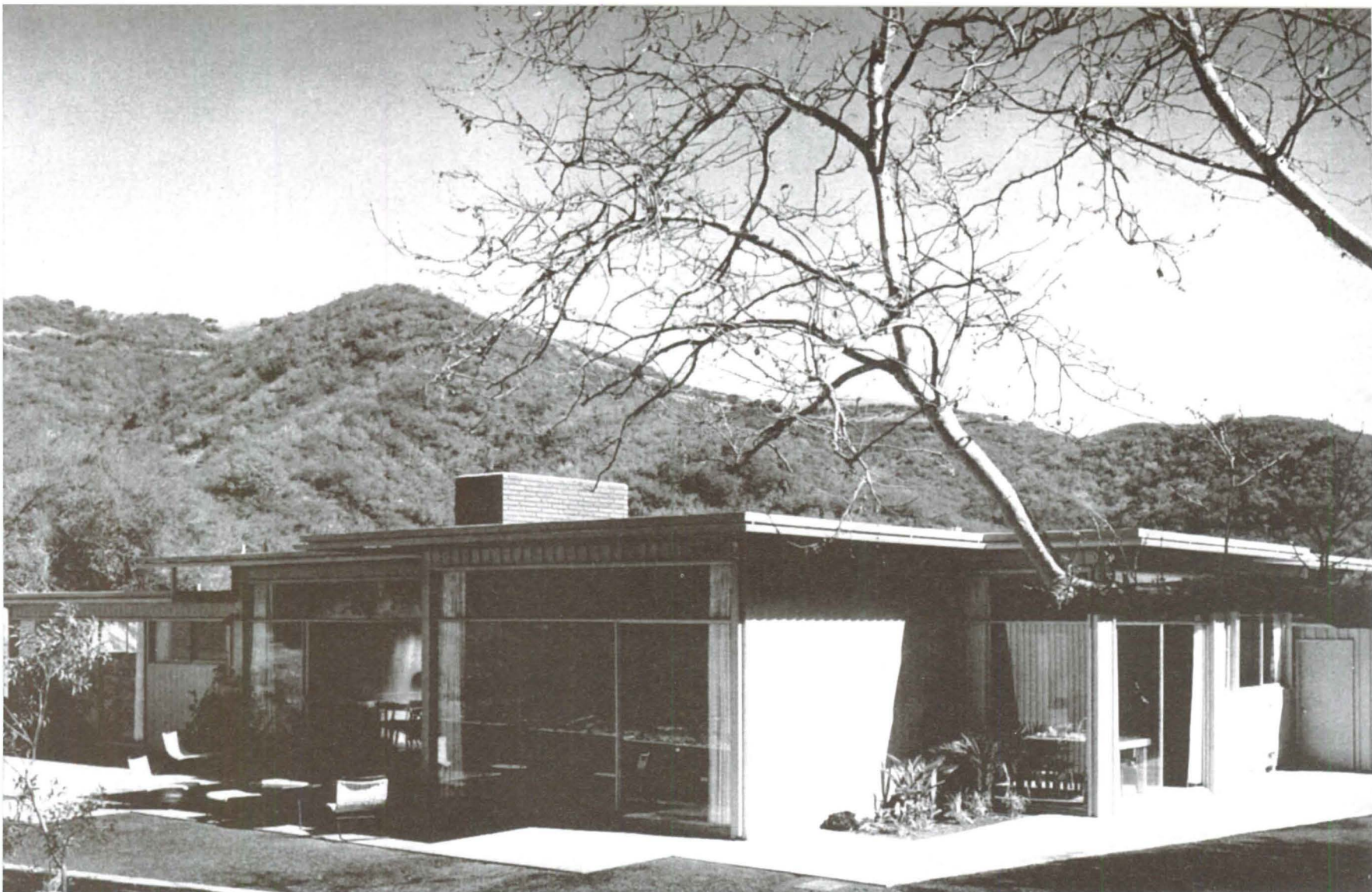
USE IN NOVARA, ITALY

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.

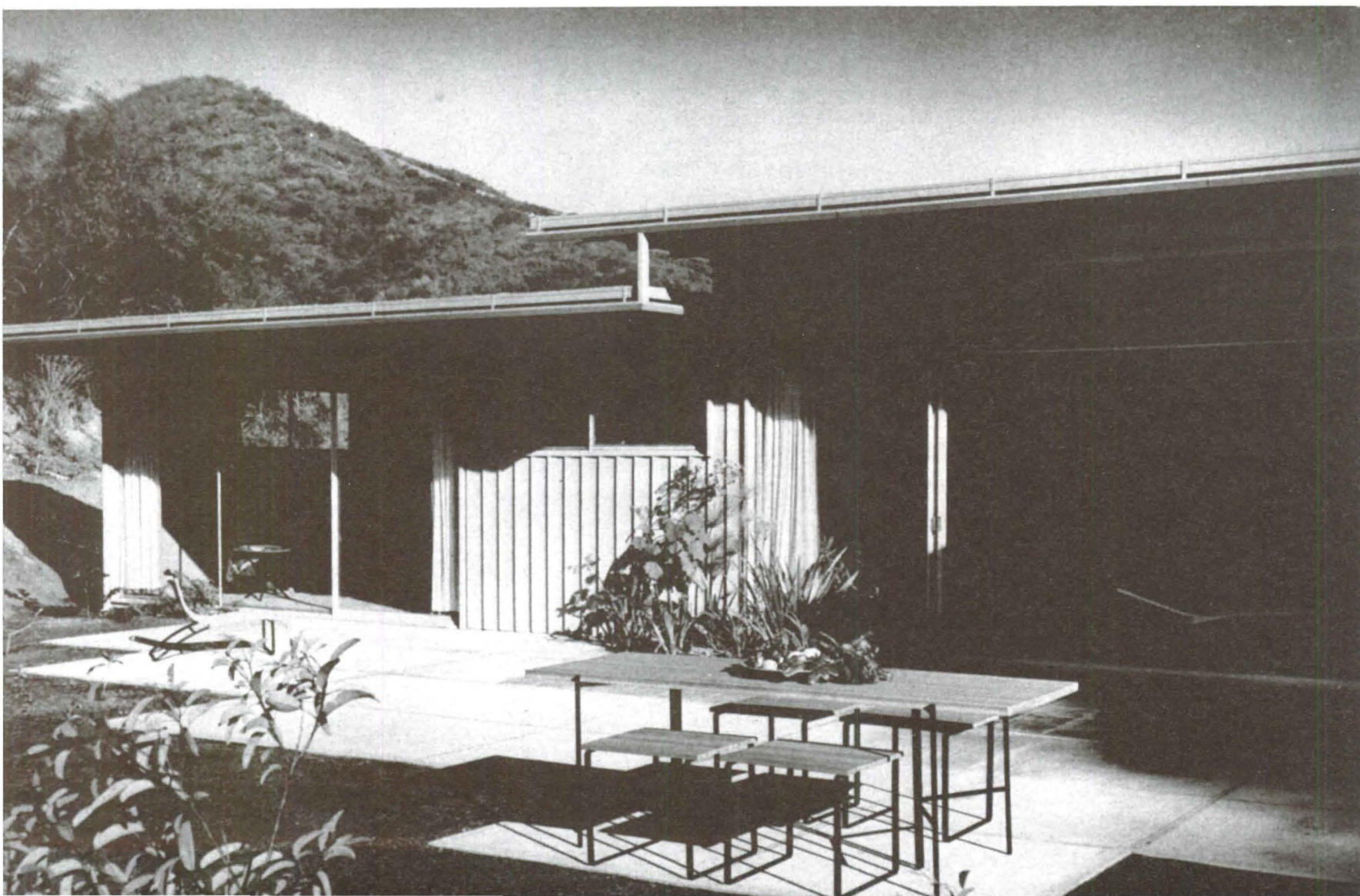
The framework is concrete. The external window frames are metallic. The pillars, moved back from the perimetral walls, allow for continuous window openings. Wooden floors are used in the bedrooms and living rooms, marble mosaic floors are used in the corridors and in the utility rooms. The outside is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

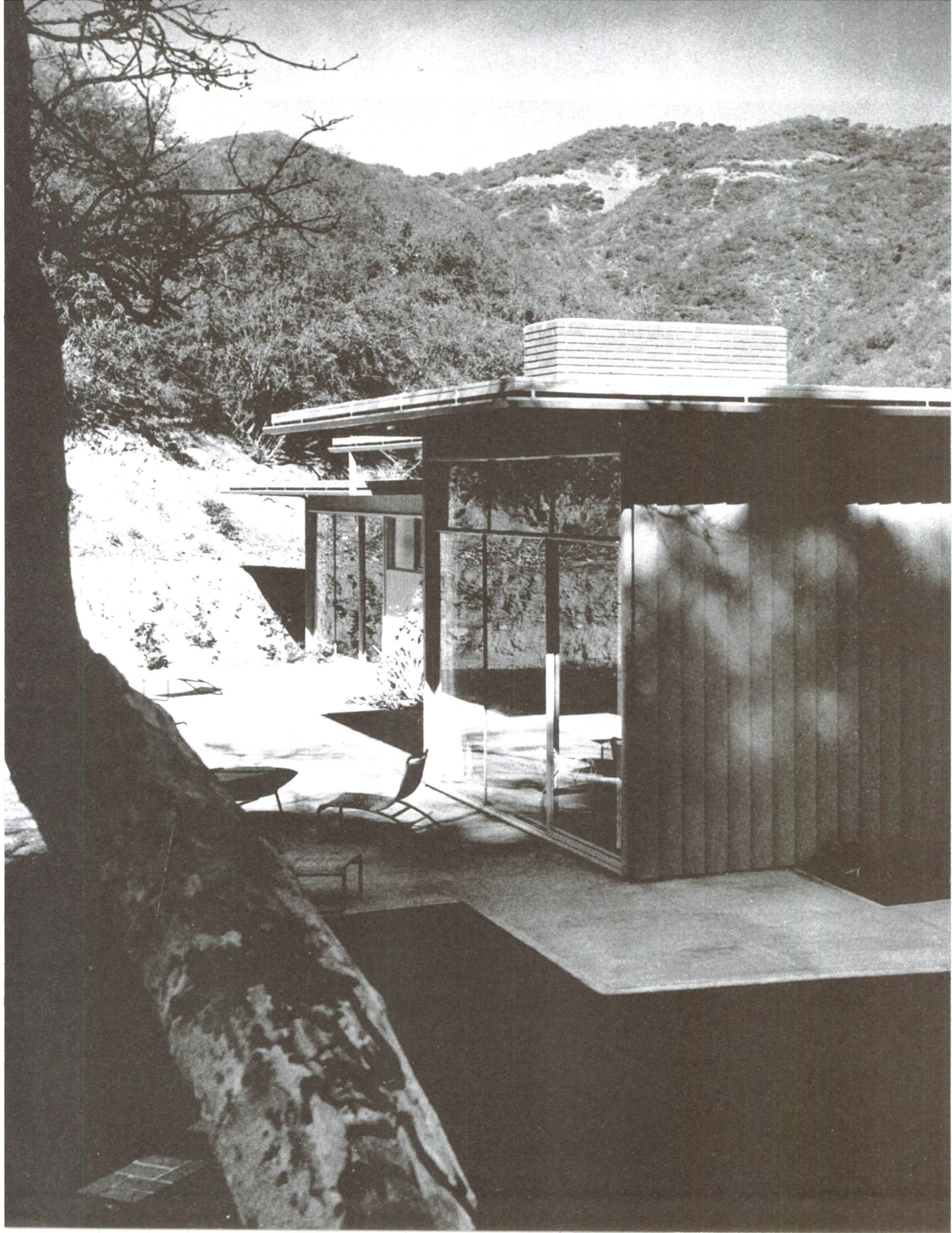


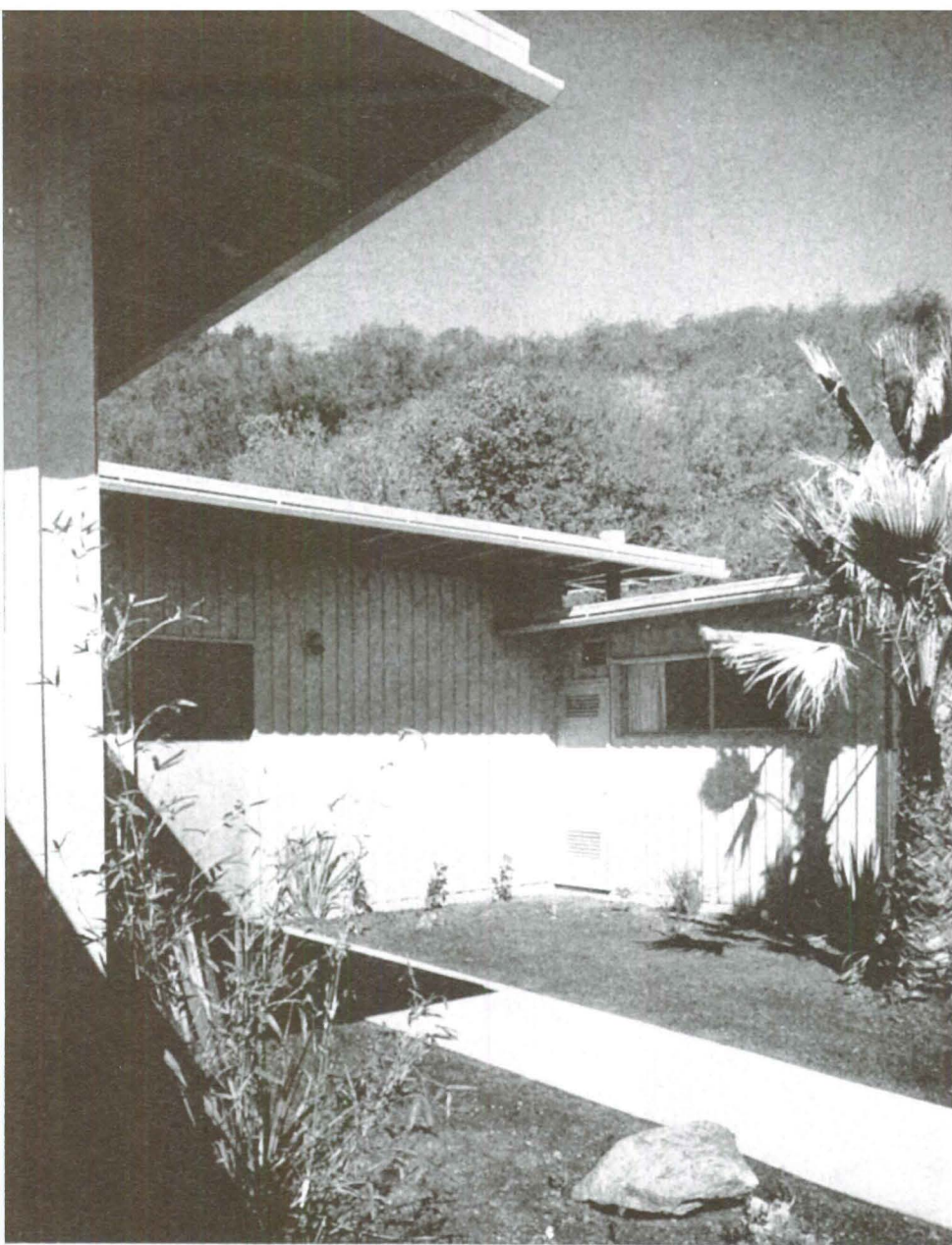


CASE STUDY HOUSE #3

WURSTER, BERNARDI AND EMMONS
architects

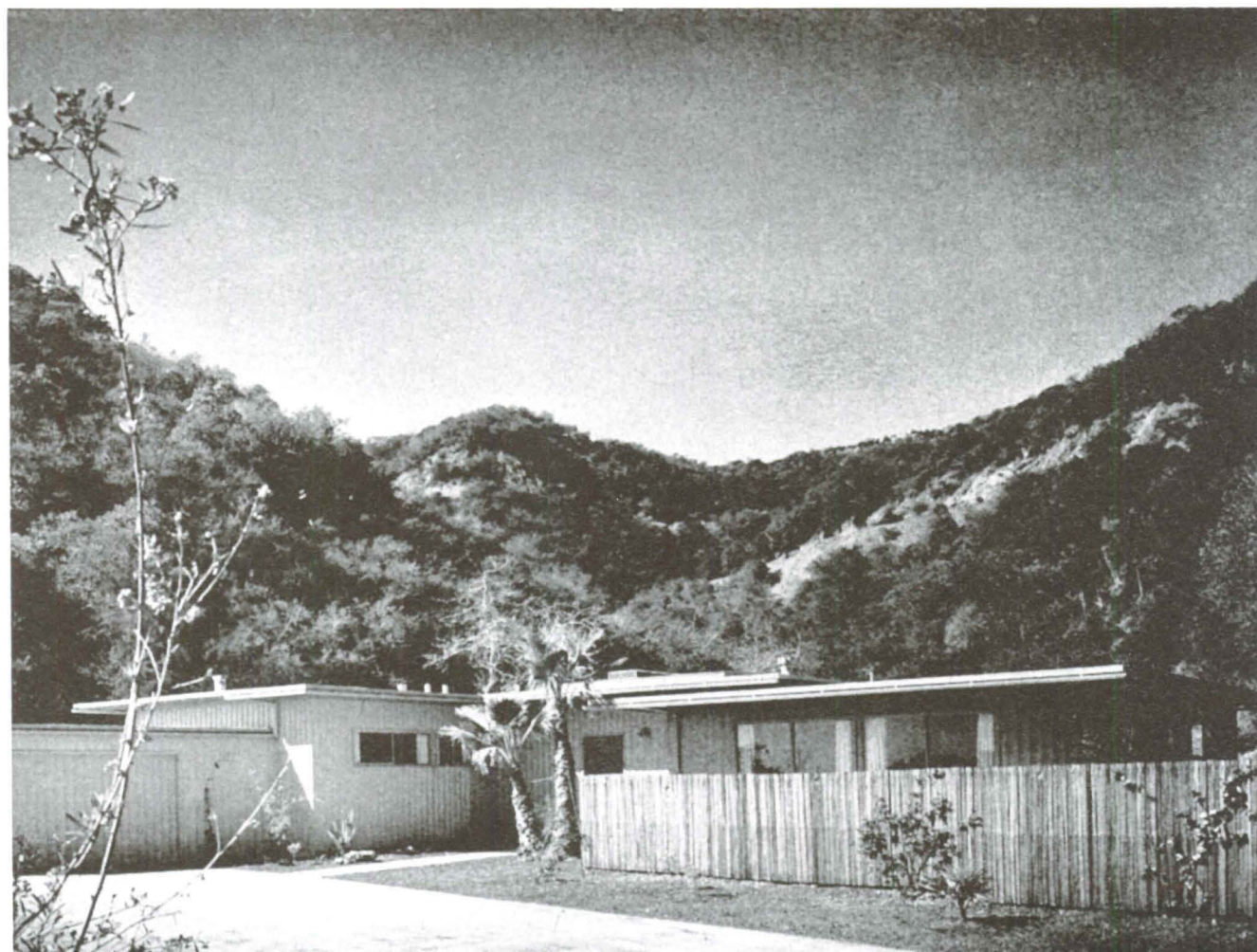


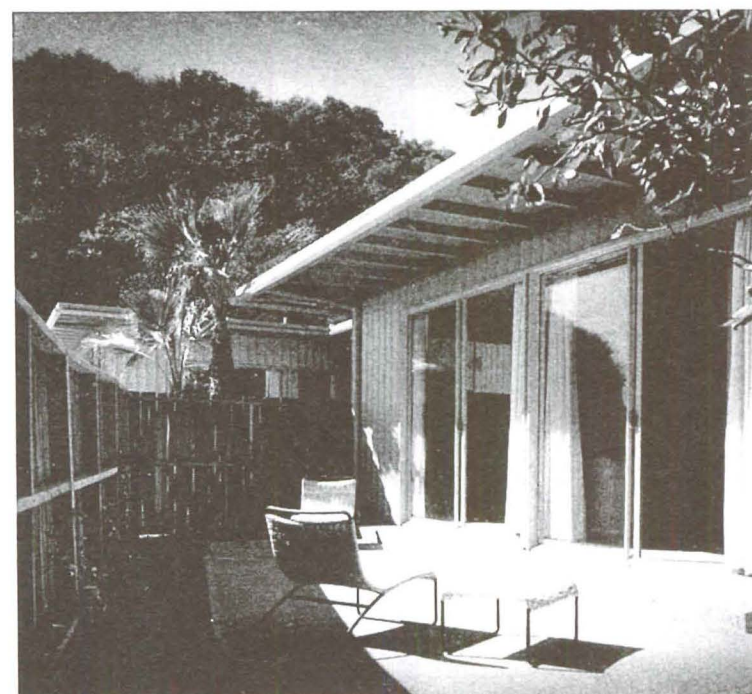
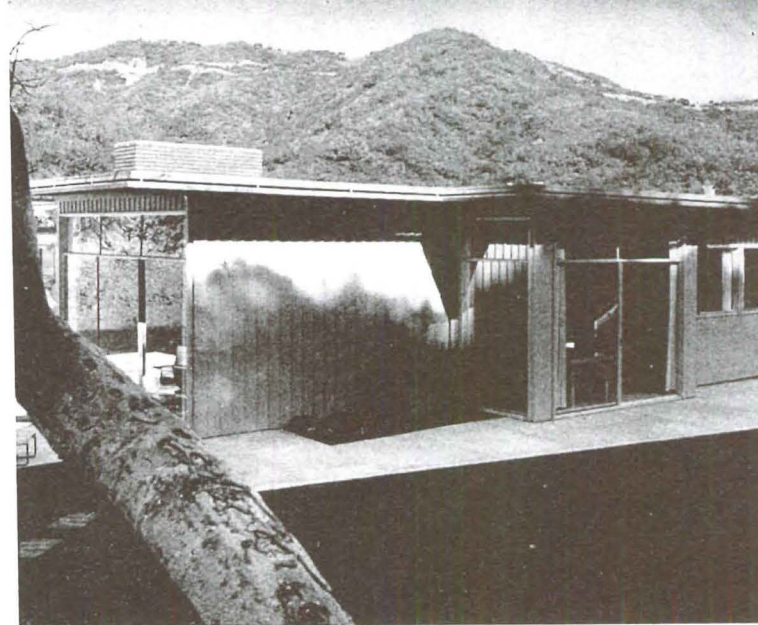
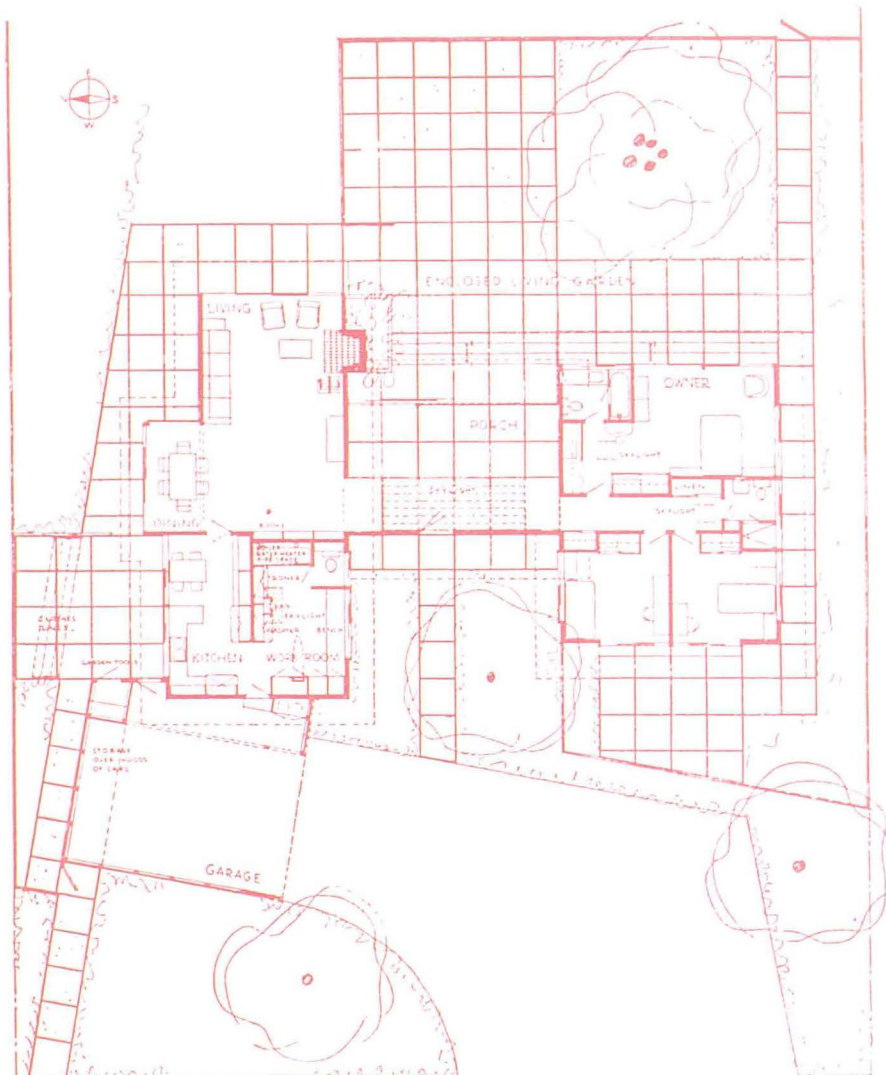




The street side of the house is well designed to protect its inner privacy. A grape stake fence creates the private area for the children's bedrooms.

ALL PHOTOGRAPHS BY JULIUS SHULMAN





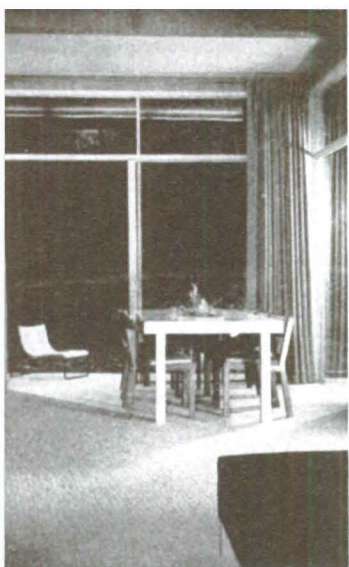
This house, originally intended for the flat area of the La Canada district, was subject to an unavoidable circumstance which changed its location to a two-acre site which opens to views through canyons to the distant mountains. It is now in Mandeville Canyon in a section which was once a botanical garden. 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.

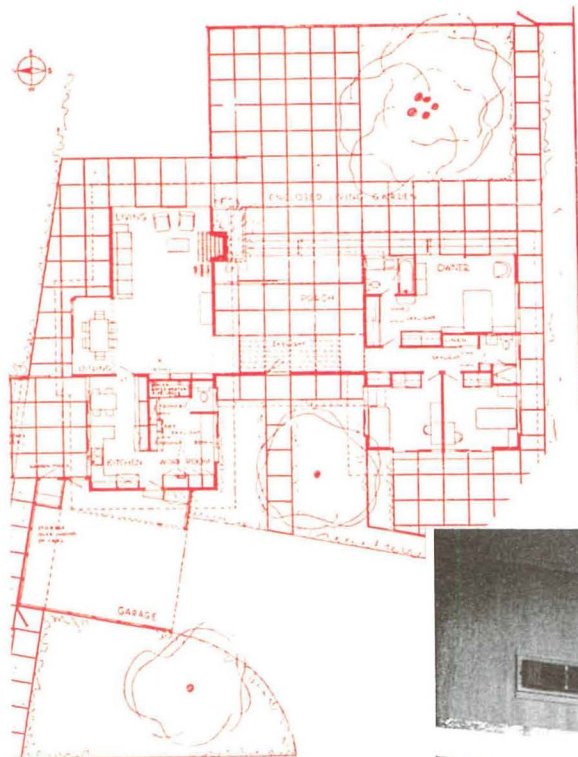


Left: The dining area, out of the general traffic line, borrows a richness of space when in use. The draperies in this area are of the same fabric and color as those of the living room. Below: The free relationship of the living and garden room adequately separates the social activities of both parents 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.



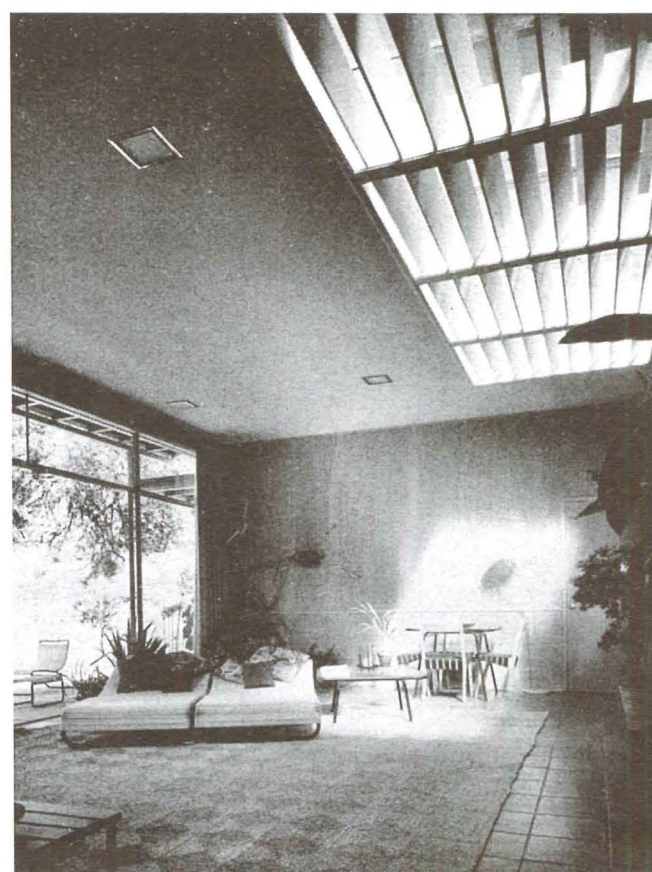
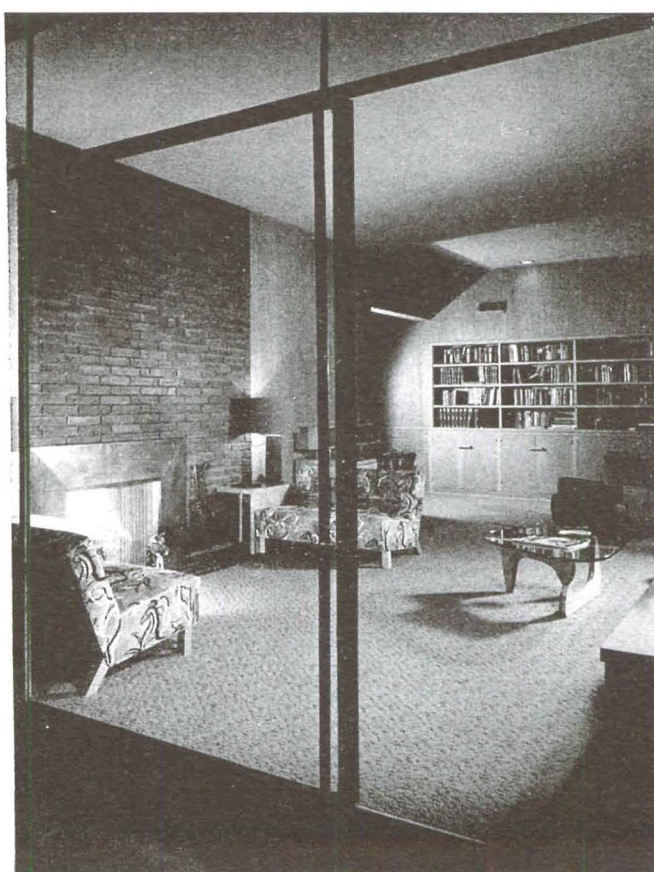
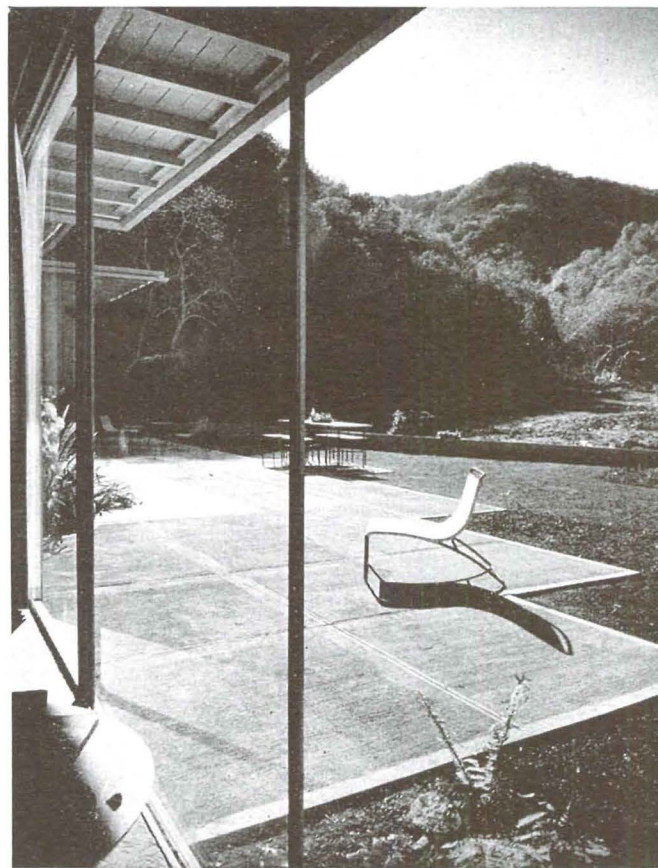
case study house #3

Interiors: Esther Miller
Consultants: Frank Bros.
Fabrics: Cohn-Hall-Marx Co.
Rugs: A. & M. Karaghuesian, Inc.



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.

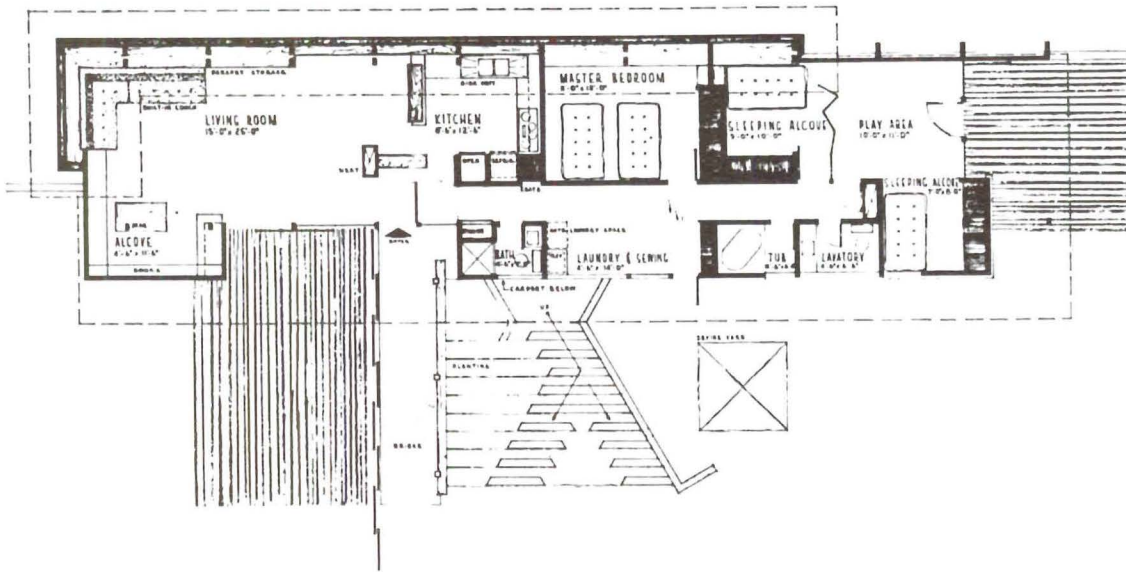


Opposite page: Views of the garden room. It is here that the informality of the house is most clearly defined, since it is a common meeting ground for the general social activities of the house.

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 home and the other 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 for the various hill-side 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.

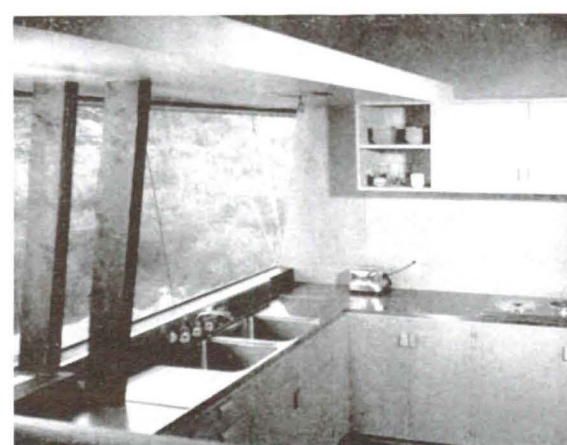
Plan: Living room circulation is restricted to the corner which meets the ground and thus leaves the view seating alcove and study alcove free of disturbance. A generous kitchen allows space for movable tables for food preparation, children's and guests' meals. From here, the building reaches back to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

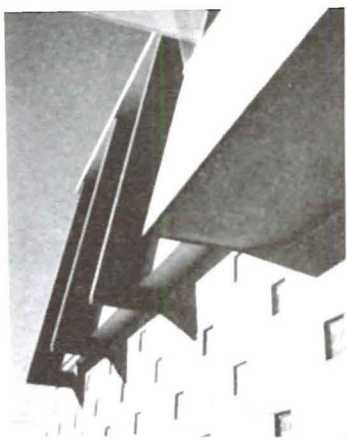
Living Room: Combined within one room is the social activity zone consisting of the living, dining, and study areas. Built in the living area is continuous parapet storage, and a part fixed-part flexible lounge. Both direct and indirect light is provided. The study is a corner combining a built-in desk, 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.

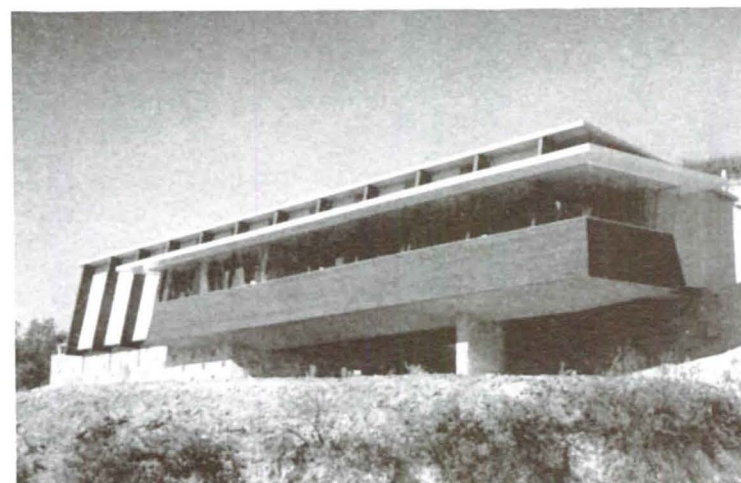
photographs: Garber-Sturges



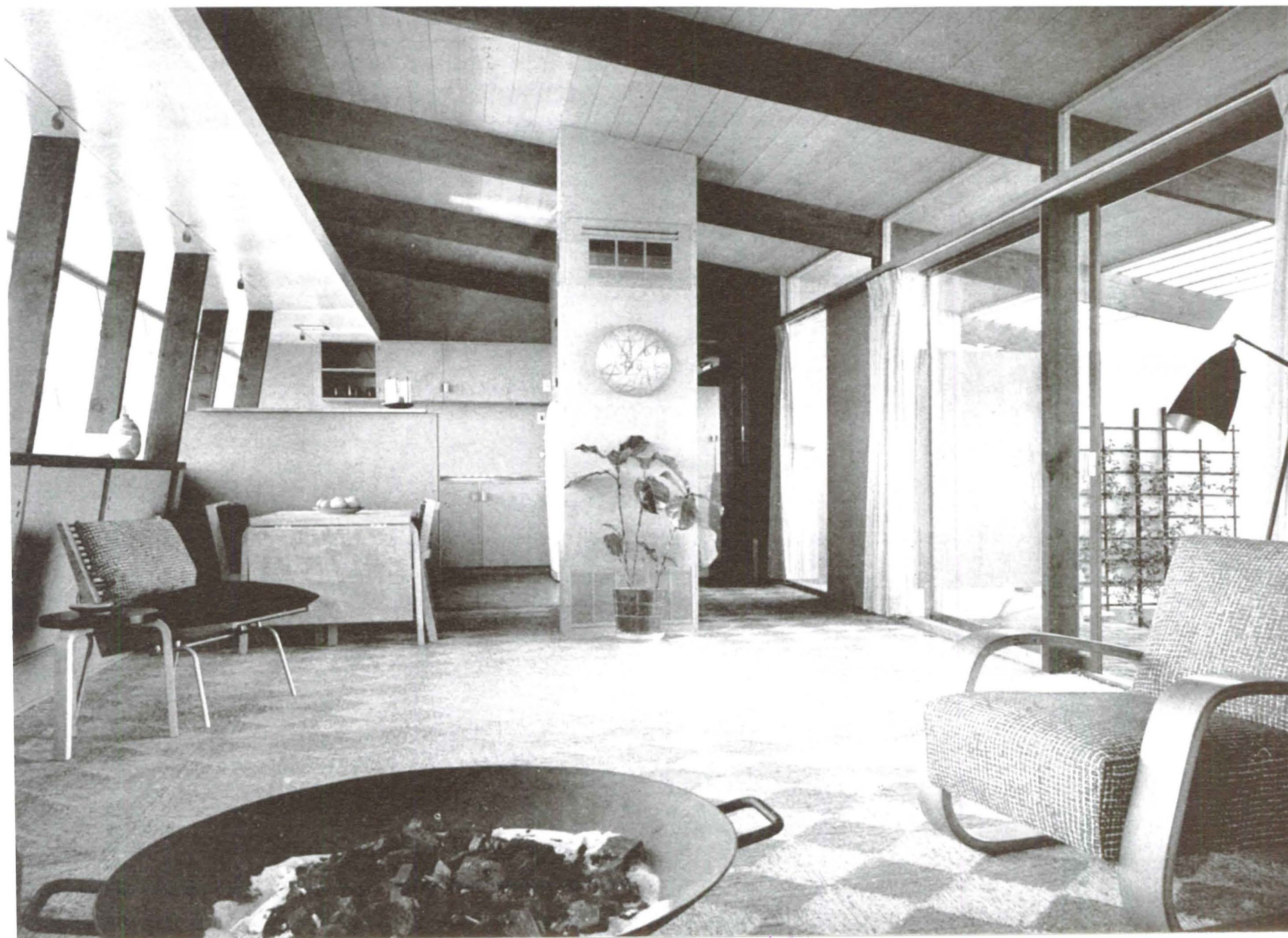


A. QUINCY JONES
WHITNEY R. SMITH
EDGARDO CONTINI

*architects
and
engineers*



MUTUAL HOUSING'S PILOT HOUSE



merit specifications

Following is a brief review of the products which were merit specified for use in Case Study House Number 3 by Wurster, Bernardi and Emmons, presented in this issue of Arts and Architecture:

The Utility Forced Air Furnace, used in CSHouse Number 3, meets exacting standards for filtered warm air heat in the winter and air circulation and ventilation in the summer. Fully automatic temperature control, compactly designed with minimum space requirements, the unit will give economical and trouble free operation for many years.

The blowers in this furnace were designed especially for the unit, coordinating wheel diameter, wheel width, and blade and angle. They are stamped from one continuous strip of steel, are tested in accordance with the ASHVE test codes. The burner is a stamped, stainless steel ribbon port grid design, with fully porcelainized body.

The controls provide fully automatic 24-volt thermostatic control, fan and limit 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, obviating 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-top sink combination 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 uncut tufts. The swirling pattern heightens texture interest. Symphony is woven on four levels of heavy looped yarn. Its deep texture gives a 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 Corporation, 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.

case study house no. 3

Available in standard lengths cut by photoelectric eye to maintain close tolerances, the siding comes prime coated, with pre-punched nail holes and requires just half as many nails as wood siding. 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 and, 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 cushion 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 bottom utensils, kitchen tools and other kitchen needs have been designed with an eye to beauty as well

continued on page 50



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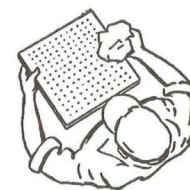
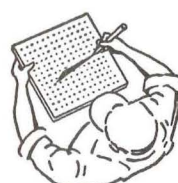
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CURRENTLY AVAILABLE PRODUCT LITERATURE AND INFORMATION

Editors note: This is a classified review of currently available manufacturers' literature and product information. To obtain a copy of any piece of literature or information regarding any product, list the number which precedes the item about it on 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 merit specified in the Case Study House 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, ant-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, requires only six feet of wall space; rated best by Consumers Union; very good design; should be investigated for contemporary kitchens.

•(469) Coolerator Company: Brochures unusually well designed, engineered 8½ cubic foot refrigerator; gives maximum storage space, including 40# built in frozen food locker, 5 ice trays; also 15 cubic foot heavy duty home food freezer; thermostatic controlled temperature 5 degrees below to 5 degrees above zero; includes 5 year food insurance policy; both used in CSHouse Number 18.

(364) Ecko 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 Holliswood electric table appliances, including grill, broiler, waffle-grill; well designed, well engineered; merit specified for CSHouses Numbers 1, 3, 20.

(690) General Electric Company: Two-color booklet demonstrating new Heat-wrap Calrod heating unit in General Electric Automatic Water Heaters.

•(586) Kaiser-Fleetwings Sales Corporation: Information new Kaiser Timesaver Sink, unit combining Kaiser water-powered dish-washer and Kaiser disposal unit in 48" steel cabinet to retail \$369.50; porcelain work surface, four access doors; dishwasher and disposal unit will still be sold separately as well.

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

(642) Kelvinator Division, Nash-Kelvinator Corporation: Folders, catalogue sheets covering Kelvinator refrigerators, electric ranges, electric water heaters (including counter-top style), frozen food cabinets (both home and commercial); precise, well presented information one of the best lines of appliances.

(702) Magic Chef: Catalogue new Magic Chef line, different models illustrated with mention of individual features, dimensions and operational data.

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

•(587) Servel, Inc.: Complete set brochures, folders, data Servel gas refrigerators, including information "twin-six" dual 12-cubic-foot model; no noise, no moving parts; merit specified in CSHouses Numbers 11, 15, 16, 17, and 7.

•(365) Sunbeam, Inc.: Data, information most complete line kitchen appliances — Mixmaster, Wafflemaster, Ironmaster, Sunbeam Toaster; well designed, highly efficient.

(739) Thermador Electrical Manufacturing Company: Folder reviewing Thermador electrical appliances for finer living, interesting kitchen layout suggestions for built-in electric ranges; review of heaters and cooling fans; prices listed.

•(535) Utility Appliance Corporation: Brochure Gaffers & Sattler gas ranges, all sizes; automatic low-temperature oven control, no-tilt racks; sizzle-roasting broiler; triple-click top burner controls; divided top with griddle; CP; well engineered, designed; merit specified CSHouse Number 1.

(740) Western Stove Company: Folder on Western-Holly ranges explaining "Choose Your Own" features by which specifications of any one of 500 models can be duplicated; custom styling at competitive prices; top notch engineering and designing; immediately available; merit specified.

BOOKS

(491) Kurt L. Schwarz: Catalog of fine and rare books; early editions of literary, artistic and scientific importance; choice collection of unusual interest.

(345) Zeitlin & Verbrugge: Catalogs books on architecture, art; imported, domestic, new, out-of-print.

CABINETS, COUNTER TOPS

(399) American Central Division, Avco Manufacturing Corporation: Detailed 16-page, 4-color brochure one of best contemporary designed lines kitchen cabinets in stainless steel; all edges, corners rounded; very little visible hardware; brochure shows sample kitchens.

•(643) Berger Manufacturing Division, Republic Steel Corporation: Folders, brochures steel kitchen cabinets; merit specified for CSHouses Numbers 8, 9; efficiently designed; drawer glides on ball bearings; removable adjustable shelves; insulated against metallic sound; bonderized finish, two coats of enamel.

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

•(119) Formica Insulation Company: Folder Formica cabinet tops; colorful, spotproof, durable, sanitary; does not chip, crack, break; not injured by alcohol, fruit acids, ordinary alkalis; withstands 275 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 and of connecting Hotpoint appliances in a kitchen; particularly valuable to architects, builders.

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

DRAFTING ROOM EQUIPMENT

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

(482) Cowhig Industries: Folder E.Z.C. Scale rule size of cigarette package with 6' flexible tape with built-in flashlight to illuminate it; snap-back rule, etched figures; interesting product.

(483) Listo Pencil Corporation: Information new drafting pencil with full vision at point; leads propelled through spring tension point which prevents turning, wobbling, slipping; has colored top to indicate degree of hardness of lead being used; only one operating part; good drafting room tool.

(494) Rapidesign, Inc.: Information new detailer template containing all most commonly used plan and side view hexagon bolts, nuts, screws; circles from 3/16" to 1" diameter, 9" scale graduated in 32nds; plastic.

(495) Triple "E" Products Company: Information new pencil sharpener with ball-bearing indicator cap producing any kind of point from long-lead blunt to long-lead sharp; Bakelite plastic with hollow-ground blades; portable, size of salt shaker; handy gadget.

(724) The Varigraph Company: Brochure illustrating the use of new precision instrument which produces professional hand lettering in one-tenth the usual time; looks practical and efficient.

ELECTRICAL EQUIPMENT

•(449) Cannon Electric Development Company: Folders, information Cannon Pathfinder Light designed to illuminate driveways, gardens, steps, pathways, etc.; light below eyelevel is thrown downward; well designed, engineered; practical.

(496) Emerson Electric Manufacturing Company: New master catalog Emerson fans, ranging from table 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) Fluorescent Fixtures of California: Literature new Allbrite of California "Lifemaster" fixture designed for individual or continuous mounting; surface or drop; made for two, four or six slimline tubes; spotlight units for accent lighting; heavy gauge metal chassis, cast aluminum ends.

(528) General Electric Company: New 48-page catalog GE wires and cables; all GE thermoplastic, braided, leaded building wires and BX, entrance, Braid X, PVX cables listed, along with many other wire and cable products; information National Code requirements; NEC tables printed in full.

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Panelair operates on new principle. Delivers steady flow of warmed air, at floor level, directly to 3 or more rooms . . . ends cold 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.

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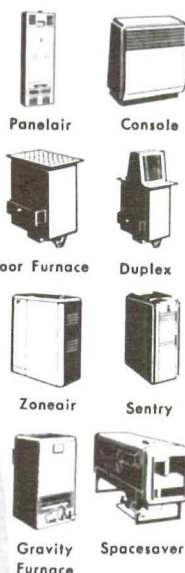
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☐ A.I.A. Panelair File
☐ A.I.A. File on Complete
Payne Line

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City.....Zone.....State.....



(533) Ilg 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 Ilg built-in, portable and "packaged" units and stand-type ventilating fans; "must" data.

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

(402) Northern California Electrical Bureau: Data-packed 16-page, two-color brochure electricity in house plans; check lists, 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-Lites for outdoor night use; plugs in easily as toaster; weather proofed, corrosion resistant aluminum; light when and where you want it for safety, pleasure and protection; 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.

(697) The Wiremold Company: Brochure illustrating installation and many uses for Plugmold, wire raceway with plug receptacles on 6" or 18" centers, fits 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) Brunswick & Fils: Information one of best sources of contemporary fabrics; wide variety of textures, colors, designs; Worth appraisal.

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

(549) Frannie Dressel's Studio: Information one of best sources fabrics hand printed to specifications of architects, decorators; fabrics have won solid recognition contemporary circles.

(567) Goodall Fabrics, Inc.: Folder Goodall wrinkle-resistant bedspreads in wide range textures, designed, color styled by Dorothy Liebes; contain Angora mohair, are not bulky, color fast, pre-shrunk, custom hemmed; standard 72x106 and 88x106 inch sizes; special widths to 92 inches.

• (486) Greeff Fabrics, Inc.: Information wide line exciting contemporary fabrics; interesting textures, designs, colors; merit specified for CSHouse 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) Lumite Division, Chicopee samples Lumite woven plastic fabrics that can't fade, stain, scuff; wide range colors homogeneously integrated, many weaves, patterns; ideal for furniture upholstery, especially garden furniture; handles easily and does not "cup."

(733) The Masland Durable Leather Company: Recently developed "Duran Adhesive" merits consideration of architects and decorators; permits lamination of DURAN to woods, metal, plywood, wall-board, 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 Leather Corporation: Brochure Tolex upholstery, wall covering plastic leathercloth; tailors well, cleans easily, stain resistant; wide color range.

FLOOR COVERINGS

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

(219-A) Gladding, McBean & Company: Folder Mission Red Floor Tile; hard burned, smooth texture; ideal for paving patios, terrace, walks, loggias, facing walls, garden seats, stair treads and risers; 12"x2 1/2"x3/4" to 12"x12"x3/4"; western manufacturer, available.

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

(434) Oregon Flax Textiles, Inc.: Descriptive brochure Flax-text all-linen rugs; unique texture from "twist-tite" strands fine flax; long wearing; seven warm colors, no patterns.

• (388) Paraffine Companies: Pleasant 4-color booklet "Pabco 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 Floor Coverings: Information one of best retail sources contemporary rugs, carpets from foremost looms; new weaves, textures, colors.

(487) Alexander Smith & Sons Carpet Company: Well executed 24-page four-color brochure on Alexander Smith &

Sons rugs, "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.

• (670) Tile-Tex Division, The Flintkote Company: Printed color charts, 4" x 4" samples Tile-Tex asphalt tile, featuring new line of colors; colors based on 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-unit 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 CSHouse Program; worth investigation.

(568) Cabaniss of Denver: Information source of good contemporary furniture in five Rocky Mountain states, including Aalto, Eames, Van Keppel-Green; also lighting fixtures by Versen, 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 the wrist to a four-inch-higher level; ideal for growing children and workshop usage; test-proven upholstery, no sharp edges.

(645) Claywood Design Products: Brochure line inexpensive modern furniture for homes, offices, stores, clubs, institutions; tables, chairs, desks, woods 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.

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

• (313) Ficks Reed Company: Catalogue contemporary Malay 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 tops 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 Maximilian, complete line, dining, living and bedroom furniture, something new, modern, sturdily built.

• (316) Herman Miller Furniture Company: Information top lines contemporary 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 of contemporary, functional, inter-matching 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 150 combinations plus foam rubber upholstered pieces, occasional tables, fabrics, accessories; makes good sense.

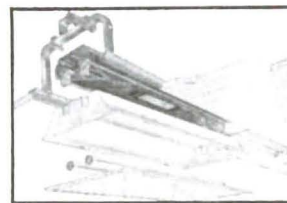
(646) Pacific Desk Company: Information good line exclusive furniture for executive and professional offices; also complete coordinated office planning, decorating service; special service for architects, decorators through which clients can inspect stock.

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

(723) Royal Metal Manufacturing Company: Listings and specifications for Royalechrome, established line of distinctive metal furniture.

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

(730) John B. Salterini Company: 1949 catalog Salterini line of wrought iron furniture guaranteed not to rust for six years, at once exquisite and rugged, smartly and serviceably upholstered, luxuriant but styled for wear and tear.

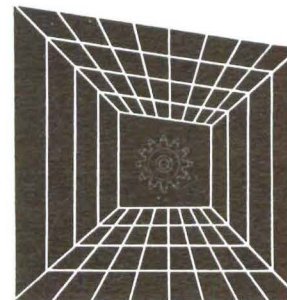


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The electric, 3-unit apartment at 4500 Tujunga, built by Mr. R. F. Townsend, one of the most progressive contractors in the San Fernando Valley.

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.

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"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.

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MERIT SPECIFICATIONS—CASE STUDY HOUSE NO. 3

continued from page 44

as utility and outstanding durability. Ekco has designed hang-up racks for kitchen tools and hardwood wall holders for cutlery. Placed near the work areas, these added conveniences save time and space in the modern kitchen. The most recent methods of food preparation by pressure cooking and "waterless" cooking in copper bottom utensils are available in Ekco's progressive line. The dignity and simplicity of modern styling is embodied in sparkling New Era crystal by A. H. Heisey & Company, used in CSHouse Number 3. Designed for informal living, New Era reveals its free, uncluttered lines from every angle, and harmonizes with modern silver, dinnerware and other appointments. Famous for design, brilliance and clarity, New Era and other Heisey patterns are hand-made by skilled American craftsmen. Styles range from New Era and exquisite rock-crystal cuttings to delightfully practical colonial patterns. Sold from coast to coast, Heisey Crystal is produced in a wide selection of stemware and matching accessory pieces.

Guardian presents new under-kitchen cabinet fluorescent fixtures for easy installation under kitchen cabinets in CSHouse Number 3. These small, compact light fixtures flood counter tops with indirect light, brightening the entire kitchen. Fixtures are available for either permanent or portable use. Knockouts are provided for permanent installation or cord and plug for portable installation. They come in 8 and 15-watt sizes; can be furnished with one or two standard convenience outlets eliminating use of hazardous extension cords; and are useful for connecting small kitchen appliances. These fixtures are manufactured by Guardian Light Company, Oak Park, Ill.

Unique in concept and design, the Lewyt vacuum cleaner, used in CSHouse Number 3, has no dust bag to empty and operates on a triple filter principle. It is equipped with a new type rug nozzle known as the No. 80, which was recently developed by the company. This new nozzle has an automatic comb valve action that grooms out lint, hair and threads from the pile of the rug, thus enabling the Lewyt to do the work of two vacuum cleaners. The nozzle also has a floating brush which adjusts itself to the contours of the rug, and is equipped with a dial control that allows for instant adjustment of the brush to two heights or use without the brush. The triple filter action extracts down to microscopic dust. There is a chemically treated paper filter, a permanent chemically treated cloth filter, and a micro-dust filter. When the cleaner needs emptying, dust is poured from the metal container. The cleaner, its hose and attachments, when not in use, are stored in a convenient French blue and silver carrying and storage case.

Convenience of draw draperies was provided through Kirsch Equipment in CSHouse Number 3. In developing functional perfection in traverse equipment, Kirsch has solved the problem of appearance by concealing all operating parts within the rod and eliminating unsightly, drooping cords. Draperies can be drawn open or closed at the touch of a hidden cord, and they glide silently into place and overlap at the center to insure absolute privacy.

Supper trays used in CSHouse Number 3 are made and decorated by the American Art Works, Inc., of Coshocton, Ohio. Their finish is the result of over a half-century of continuous experience in the decorating of metal. The trays are of steel, coated and decorated. They are water, alcohol and chip resistant and impervious to nearly all food acids and alkalies.

All horizontal sliding steel doors and window units were custom fabricated for CSHouse Number 3 by Steelbilt, Inc., of Los Angeles. The wide areas of horizontally sliding glass used to face the lanai room and the living room to the patio posed a problem of moving great weight easily. This was successfully solved and is a strong argument in favor of the use of steel for this purpose.

Probably the most outstanding decorative item on the interior of CSHouse Number 3 is the Etchwood paneling manufactured by the Davidson Plywood and Lumber Company of Los Angeles. Surfaces of this material are rubbed satin-smooth, all soft wood removed, leaving the natural hardwood grain exposed in pleasant relief. The panels have no sharp edges or grooves to splinter or catch dust. They resist scratches, do not mark or mar, and are inexpensive.

Used in the living room and lanai room, the paneling gives the house a warm feeling. The wall surfaces catch highlights and shadows and yield a pleasant texture. It presents a new idea to architects and builders, as well as to furniture manufacturers.

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 CSHouse 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 CSHouse Number 3. This is due to the fact that carpets were laid through the use of Smoothedge Gripper, which consists of plywood strips $\frac{1}{4}$ " thick, 8' long and $1\frac{1}{8}$ " 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 $\frac{1}{2}$ " apart in two rows, so that the warp is gripped every $\frac{1}{2}$ " 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 CSHouse Number 3 include:

Micarta—Used for kitchen cabinet tops, manufactured by the United States Plywood Corporation, New York.

Laundrerall—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 Pryne & Co., Pomona, Calif.

Shower Receptor—Aluminum, manufactured by the F. W. O'Morrow Company, Los Angeles.

Paints—Manufactured by the Frederick O'Brien Company, Kokomo, Ind.

Gas Range—Magic Chief, The American Stove Co., St. Louis, Mo.

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.

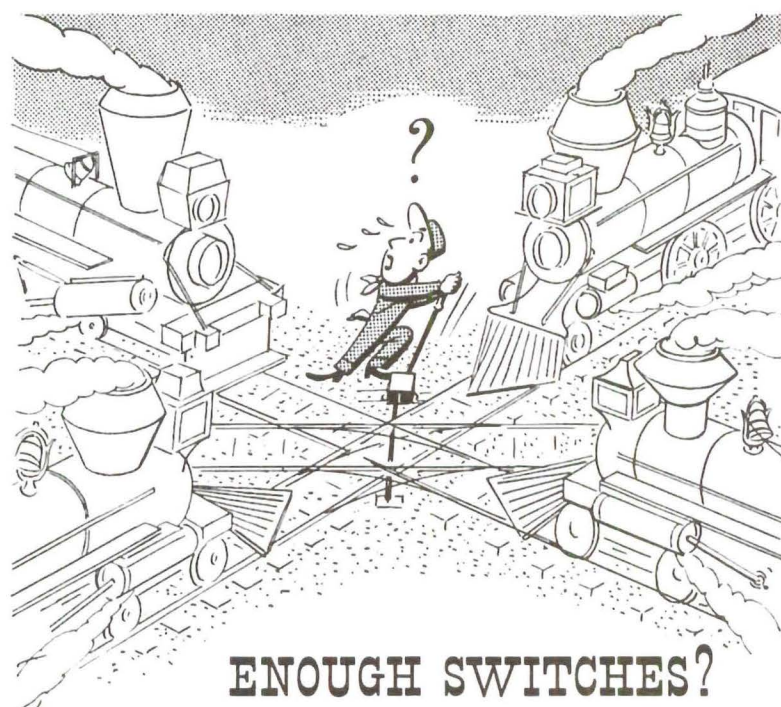
Shower Doors—W. D. O'Morrow Company, Southgate, Calif.

Water Heater—Day & Night Manufacturing Co., Monrovia, 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.



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

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•(460) Everett Sehring Furniture: Well prepared brochure illustrating line contemporary low tables; large single tables or groups of small tables assembling into one large table; wide range of finishes, wood, cork, or leather surfaces; also incidental pieces; available through decorators or architects exclusively.

(540) Tappan-Keal: Brochure well designed line contemporary California furniture; includes photographs, record cabinet, buffet, bookcases, tables, desks, chests, night stand; one of best West Coast lines; price lists included.

(438) Thonet Brothers, Inc.: Illustrated catalog new clean-cut line modern furniture; chairs particularly well designed.

(735) H. H. Turchin Company: Manufacturers of brilliant glass furniture now present booklet "The Decorator Touch," discussing design, color and lighting; factually written, thoroughly illustrated; costs 10c but worth much more.

•(323) Van Keppel-Green, Inc.: Information complete line contemporary metal, wood furniture; designed by Hendrick Van Keppel, Taylor Green; available nationally.

(707) Waldron Associates: Package of sheets illustrating available lines of modern furniture and lighting equipment, flexible reference file which can be supplemented by additional sheets as new items are added, sizes and specifications given.

GENERAL

(6) Libbey-Owens-Ford Glass Company: Well illustrated brochure solar houses, 24 pages of fundamentals of planning "open" houses; gives good examples; technical data.

(686) Otis Elevator Company: Vertical transportation review, illustrates autotronic elevator controls for commercial installations, specifications for hospital, apartment house and private residence elevators, recommended sizes and capacities given; escalator layouts illustrated; dumb waiter data given.

(443) Pacific Shop: Contemporary accessories for the home; jewelry by modern designers and craftsmen; one of best sources in Northern California.

(571) Philip Carey Manufacturing Company: Good four-color catalogue Carey roofs, side walls, floors, partitions, foundation materials, heating system materials and bathroom cabinets and accessories; excellent presentation of products by one of oldest national manufacturers.

(462) Lamps, Ltd.: Information good line of contemporary lamps; well designed.

HARDWARE AND FIXTURES

•(589) Adams-Rite Manufacturing Company: Complete information well designed contemporary line hardware for sliding doors; features new Rite-Lock, adjustable to any door thickness from 1½" to 1-15"; easily installed by notching stile; five surface finishes available; merit specified in all current CS Houses.

•(393) American Cabinet Hardware Corporation: Folder, data sheets Amerock line contemporary cabinet hardware; Beauty-Seal platings, matched ensembles, easy-working catches; includes semi-concealed hinges, friction catches, pulls, sash lifts, sash locks; full technical, installation data.

(439) Bennett-Ireland, Inc.: Illustrated folder Flexscreen fireplace metal curtains; hang in folds; easily opened, closed; one of best contemporary lines fireplace equipment.

•(561) Custom Hardware Inc., Los Angeles. Fine finish hardware custom made. French Georgian, Colonial and Modern periods. Cast brass, bronze and aluminum. Colonial rim locks. Special pulls, push bars and plates for structural glass and other entrance doors.

(741) H. S. Getty & Co., Incorporated: "Butt Hinges for Builders' Hardware Trade," explanation of extrusion methods of hinge manufacture; catalogue of Getty hinges and price lists for loose and fixed pin models.

•(366) Grant Pulley & Hardware Company: Data one of best lines sliding door hardware; makes large areas of glass slide with finger-tip pressure; quiet, efficient; this data belongs in all architectural files.

(698) Latching Corporation: Information new self-latching, self-aligning cupboards, etc., permitting hardware and labor savings up to \$71.94 for seven-room house; practical new development.

(708) Magic Mirror Door Detective: New safety device for doors, utilizes two-way glass which permits observer on the inside to scrutinize visitors but presents only a shiny mirror surface to those on the outside; modestly priced.

(710) Maximoff Research: Recoil Door Bumper with self-engaging holder that keeps doors open; designed for beauty and serviceability, can never wear out; merits investigation.

•(565) Mitchell-White & Company—Modern design Brake-O-Matic door check for use in the best homes, finest hotels and offices, write for literature.

•(325) Parlyn, Ltd.: Brochure remarkable new finger-tip push-pull control Parlyn door lock and latch; light finger pressure opens or closes door; contemporary design; zinc alloy; no visible screws.

•(408) Sargent & Company: Folder new Sargent Intergralock; well designed, knob keyhole, pressure formed metals; available in number of bronze, brass chromium finishes; full technical details.

(372) Security Lock Corporation: Brochure new keyless push-button combination door lock; locked by flick of lever, opens by pushing proper combination four small buttons.

•(326) Soss Manufacturing Company: Remarkably well prepared 24-page manual on Soss Invisible Hinges; permit streamlining door by eliminating visibility of hinges; gives full details of construction use.

(722) Sturdee Steel Products: New 1949 line "Easy to Lift" overhead garage door hardware, standard and lo-head jamb, pivot and commercial track types, merit specified for use in Case Study House.

(727) Tulson Distributing Company: Illustrative folder new Tulson Sliding Hinge; saves space, eliminates gap left by conventional hinges, presents new possibilities in furniture design, airplane fixtures, galleys and built-ins; good new idea.

HEATING & AIR CONDITIONING

•(381) Horace F. Allison: Information on radiant heating; firm engineers, installs systems in Los Angeles area; one of best sources of practical information, installation service. (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 ten years; gives engineering preference methods, materials mostly used; geographic statistics.

(572) Philip Carey Manufacturing Company: Brochure Careyduct all asbestos air conduit for heating, ventilating, air conditioning; is both conduit and insulation; hushes fan noises, permits higher air velocity due to flush joints; easily installed, economical; worth study.

(414) Chase Brass & Copper Company: Full color brochure on brass and copper in residential planning, emphasizing copper tubing for radiant heating; also covers hardware, screen, 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 Glomaster bath heater featuring direct infrared heat radiation; one piece die-formed aluminum alloy reflector; well engineered, designed; worth investigation; uses convection flow of air.

(510) Fraser & Johnston: Brochure new Lo-Boy shallow model furnace, dual or floor; 26½" deep overall; dual models feature "bi-flo" register head, eliminating floor grilles; single rod control valve; streamlined heating element of pressed steel; gas fumes cannot escape into room.

(684) 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.

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

•(541) Montag Company: Electric furnace, manual and circular, provides continuous filtered all-year ventilation; M-H modulating thermostatic controls for eight blower speeds, 12 heating steps within two degrees of room temperature; full data available.

(542) Payne Furnace Company: Information new Payne Panelair forced air wall heater; occupies floor area of only 29½"x9½"; room air drawn in near ceiling, discharged through outlet grilles at floor level into one or more rooms; built in thermostatic fan controls provide two-speed fan operation; 55,000 btu; worth investigating.

(446) Payne Furnace Company: Folder new Cooler Air evaporative cooling unit for residential and commercial cooling; 14 major innovations and features; Fiberglas evaporative filter; true air delivery from 2,300 to 8,000 CFM claimed.

• (330) Penn Electric Switch Company: One of best manuals showing wiring diagrams for heating systems; loaded with technical data, diagrams for all types of systems; this is "must" for all files.

• (647) Radiant Heat Engineering, Inc.: Brochures and folders complete radiant heating engineering and installation service in Southern California; firm thoroughly experienced by many major installations, now installing radiant heating CSHouses Numbers 8, 9; good source of information.

• (331) Revere Copper & Brass: Spectacularly good non-technical discussion radiant panel heating in 36 well-illustrated pages; this is a down-to-earth manual and no architectural file is complete without it; can't be recommended too strongly.

(699) L. N. Roberson Company: Information installation methods, materials and costs radiant electric heating with Roberson Heatsum Cable, special applications for green houses; practical for low power rate areas.

(511) Surface Combustion Corporation: Twenty-six pages of specifications for Janitrol gas boilers for radiant, hot water, steam heating; includes ratings, dimensions, engineering data, illustrations; good source material.

(490) H. A. Thursh & Company: Well prepared and illustrated brochure Thrush forced circulating flow control hot water heat; emphasis on radiant heating, with good technical data simply presented; equipment used in Kaufmann house by Frank Lloyd Wright; worth study, file space.

(648) Trade-Wind Motorfans, Inc.: Folders Trade-Wind small room ventilator that installs in the ceiling; easily cleaned blower, totally enclosed motor, quiet air inlet, partition keeps greasy air from motor; built-in conduit box, plug-in receptacle; includes hood of good design over stove when used in kitchen.

(693) The Trane Company: Solutions of special problems in air conditioning and residential heating; piping diagrams and heat calculation graphs included.

(649) Trane Company: Fifty-four page brochure "Merely a Matter of Air" featuring Untrane air conditioning for multi-room buildings; one of the best presentations of air conditioning; good descriptive, technical matter, well illustrated with drawings; simply written; worth having.

• (544) Utility Appliance Corporation: Brochure Utility forced air furnace, gas fired; provides complete forced air circulation, fully automatic temperature control, glass fiber filters; modern compact cabinet design; well engineered; full dimensional, performance data; merit specified CSHouse Number 1.

• (545) Utility Appliance Corporation: Brochure Utility Wall-o-amic built-in circulating heater, gas fired and vented; can be used all types construction, installation remarkably simple; fits into any standard 4" stud wall without furring; high velocity discharge assures over-all room heating; well designed; merit specified for CSHouse Number 1.

INSULATION AND ROOFING

(546) Acoustical Materials Association: New brochures on sound absorption coefficients of architectural acoustical materials and theory and use of architectural acoustical materials; data-packed, well illustrated; undoubtedly best source of information; worth file space, study.

• (334) Babcock & Jones, Inc.: Brochures, data on Ferro-Therm Steel Insulation; exceptionally good with radiant heat—reflects 90-95% of radiant heat; vermin-proof, no moisture, easily installed; one of best new products and merits study.

(650) Basalt Rock Company, Inc.: Folder for architects, builders on Stresterete roof and floor slabs, telling what they are, how they are made, and what they will do; well presented material, worth file space.

(573) Phillip Carey Manufacturing Company: Brochure specifications Carey built-up roofs; one of best sources roof information, including tables, architectural and construction sketches, application data; good service material by one of oldest national manufacturers

(221) Gladding, McBean & Company: Brochure Zonolite concrete insulation; interesting for use in portion concrete slab below radiant heating pipes; prevents heat loss into ground; normal concrete should be used above pipes.

(716) Infra Insulation, Incorporated: "Simplified Physics of Thermal Insulation" brochure giving good, thorough discussion of heat transfer, conduction and density, radiation and rejection, condensation and temperature calculation tests; discusses advantages of aluminum foil insulation; gives installation details.

(691) Johns Manville Products: Sound control pamphlet gives construction methods for Sanacoustic units, fluorescent lighting with Sanacoustic units, fibertone noise traps, transite acoustical materials and special installations for broadcasting studios and industrial noise problems.

(652) Owens-Corning Fiberglas Corporation: Manual, 36 pages, illustrated, to assist architects, engineers, others, to solve problems of heat flow through roof structures; new data derived from field experience; features Fiberglas insulation; extensive charts; good source of information.

(695) Pacific Lumber Company: Palco wool insulation for increasing temperature control comfort in old and new houses, makes fuel savings possible.

• (95) Pioneer-Flintkote: Information-packed 120-page manual built-up roof specifications; invaluable detail, source material; features P-F Built-up Roofs, answers any reasonable question with graphs, sketches, technical data.



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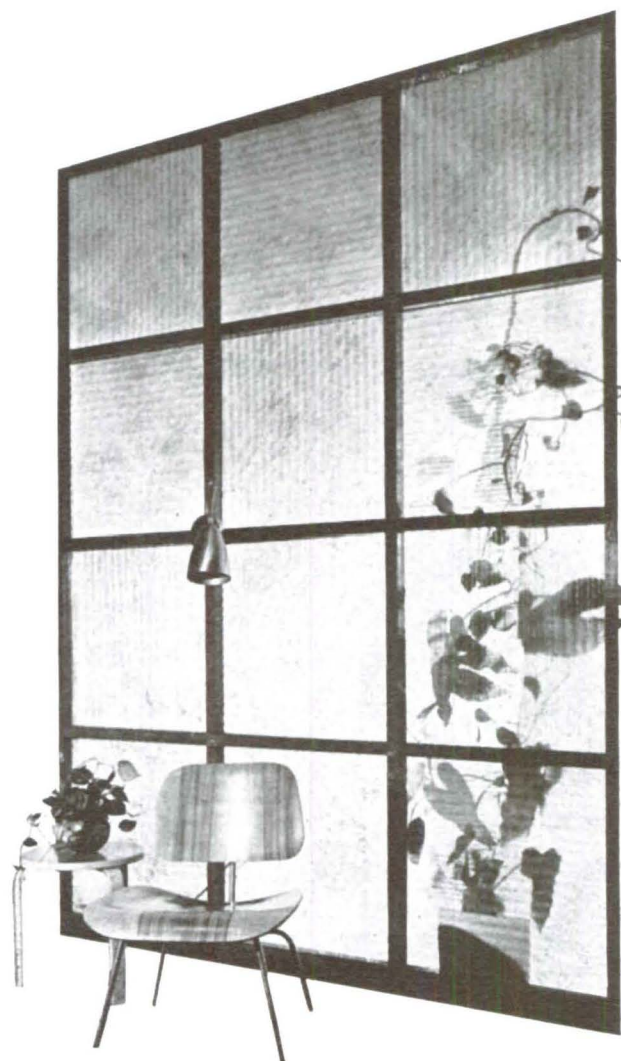
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• (97) Simpson Industries: Unusually well prepared two-color 12-page booklet Simpson insulating board products, including insulating building board, insulating decorative plank, insulating decorative tileboard, insulating lath, and roof insulation; combine structural strength with insulating values; well presented installation, specification data; worth investigation.

LIGHTING EQUIPMENT

(448) 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 shaving 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 "Dramalite" 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, demi-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 6200-6400 louvered fixtures; feature full depth metal lou-

ers, translucent side panels of Polystyrene; finished natural satin aluminum with "hi-baked" white enamel louvers; two or four lights in each fixture.

(337) Globe Lighting Products, Inc.: Very complete 56-page catalogue 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 troughs, illustrates flat, curved, diffusing and louvered lenses; lamp types shown for household and commercial use, specifications given.

• (656) Gotham Lighting Corporation: Brochure (GLC-10) 7 Streamlites, 13 Downlites, 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 areas 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.

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

(500) 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.

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

(657) The Miller Company: New revised edition "Ceilings Unlimited," illustrating and describing Moler fluorescent troffer lighting systems; complete engineering, installation details, illumination performance; good examples of combining light and ceiling equipment; well prepared, worth close study.

(591) Pittsburgh Reflector Company new 52-page catalogue presenting complete line fluorescent luminaires, troffers, strips, accessories, together with companion incandescent equipment; complete section on planned lighting

through use combination fluorescent and incandescent; full technical, installation data.

(658) Pressteel 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.

• (375) Pryne Company, Inc.: Illustrated bulletins Prylites, complete list, recessed lighting fixtures, including specialties; multi-colored dining room lights, automatic closet lights; adjustable spots; full technical data.

(392) Smoot-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, starters; individual or continuous mounting; opens either side for servicing.

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

(270) Supreme Lighting Company: Comprehensive 23-page catalog well designed line fluorescent fixtures; hanging, open and glass covered; recessed fixtures with egg crate louver or diffusing glass; industrial, reflector, window types; strip, circline; kitchen fixtures, vertical mirror lamps, bed lamps.

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

MISCELLANEOUS

(555) 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.

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

• (405) Custom Cast: Information remarkably good andirons 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.

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

(726) The Kemode Manufacturing Company: Information new Quik-Shot Soldering Irons, inexpensive and have interchangeable tips from 3/8" to 1" or more, heated by package heat element in 5 seconds; has no breakable parts. Good idea.

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

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

• (474) Modern Designers: Full information good lines 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 Filmosound projectors for use in homes, schools, churches, industry; gives full technical information regarding equipment, installations, use, operation; practical, interesting sensible.

PAINTS, SURFACE TREATMENTS

(463) Amercoat Division, American Pipe & Construction Company: Information new Amercoat vinyl coating which is a pigmented vinyl resin dispensed 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 paint products 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.

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

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

• (457) Frederick O'Brien Paint & Varnish Works: Folders O'Brien Penchrome 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.

(659) Soc-Co Plastic Coating Company: Information Albi-"R" 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 paneling suggestions for Douglas Fir Plywood; how to panel for interiors of industrial, commercial residential structures; practical ideas well illustrated, explained; merits study.

(660) Formica Insulation Company: Folder new Moonglo Formica pattern, together with small samples showing colors; six colors; pattern has third dimensional depth appearance; is avail-

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... Says Mrs. Customer!

- Rugged steel throughout
- Perfectly balanced for finger-tip operation
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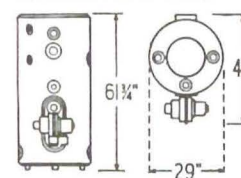


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Put built-in telephone facilities in your plans

The **Pacific Telephone**  and Telegraph Company

able in all Formica grades, including cigarette proof; good new product, worth investigating.

(729) Lehighwood Corporation: Suggestions for inexpensive, luxuriant-looking, "business as usual" applications of Amerwood rustic paneling; comes in even widths 6" to 12" and even lengths of 8' to 16'; provides a wide variety of patterns.

• (514) Marsh Wall Products, Inc.: Attractive new 1948 catalog complete information Marlite, plastic-coated wall board; shows uses, specifications; includes color chips; also contains information Marsh aluminum Presdwood plastic mouldings and new line Marsh bathroom accessories; good presentation of good products.

(703) National Electrical Manufacturers Association: Standard for Laminated Thermosetting Decorative sheets; explains standard wear, heat, stain, light, moisture and expansion tests for laminated sheets, and gives recommended method for application.

(346) National Lead Company: Folder painting specifications "Dutch Boy" white lead, paints, varnishes, enamels; chip form color samples available; valuable information for treating exterior, interior surfaces.

(112) Pittsburgh Plate Glass Company: Exciting, informative, factual 32-page full-color brochure color dynamics, scientific utilization of energy in color to promote efficiency; authentic study.

(502) Stephenson Air Brush Paint Company: Folder new compound for insulation, acoustical treatment, anti-sweat protection, "Perma-Dri"; may be applied by brush, spray, bonds firmly to metal, wood, concrete, masonry, wallboard, plaster; can be tinted any color; good product with many uses; merits investigation.

(689) United States Plywood Corporation: blotter-size sample of Kalistron, new furniture and wall-covering material, together with a nail file to prove color indestructible; recipient invited to make test for himself.

(577) United States Gypsum Company: Brochure USG Sheetrock, fireproof gypsum wallboard, paper coated, in plain or decorative surfaces; full specification, installation data, including full color photographs wood-grained surfaces; charts, tables.

• (382) United Wallpaper, Inc.: Information Varlar stainproof wall covering, in price range good wallpapers; resists grease, oil, fingerprints, lipstick, crayons, vermin; restored soap and water; 90 patterns, design by Dorothy Liebes.

• (476) Val-Porter Company: Brochure Acoustipulp plastic sound absorption acoustic plaster; applied same as any plaster, comes in most any color; fire resistant, vermin proof, sanitary; about same cost and weight as ordinary plaster; used in CSHouse Number 20.

(465) Wesco Waterpaints, Inc.: Well prepared four-color folder with color samples on Rocktite one-coat cement-base paint for stucco, cement, rough concrete, unglazed tile, etc.; comes powder to mix with water; ten ex-

cellent soft pastel colors; particularly well adapted to contemporary architecture.

PANELS AND WALL TREATMENTS

• (585) Davidson Plywood & Lumber Company: Literature Etchwood, a "3-dimensional plywood" for paneling, furniture, display backgrounds; soft grain burnished away leaving hardwood surface in natural grain-textured surface; costs less than decorative hardwood plywood; entirely new product, merits close consideration.

(681) Douglas Fir Plywood Association: Pamphlet giving commercial standards for douglas fir plywood as established through the U. S. Department of Commerce and the National Bureau of Standards; markings for wood types and grades illustrated and explained.

(349) James Kemble Mills: Information collection contemporary wallpapers; designs, by 15 leading contemporary artists; custom designs available; definitely worth investigation.

• (661) United States Plywood Corporation: Brochure, color samples, decorative Micarta, used in CSHouses Numbers 1 and 3; wide range colors, textures, veneers; marble-hard, chrome-smooth surface, non-fading color; heat resistant, easy to handle; good for counter tops, fronts, walls, panels; readily available; one of best precoated panel materials.

(574) United States Gypsum Company: Brochure Acoustone Audiotone acoustical tiles; mineral fibers made into lightweight, highly sound absorbent tile form; fire resistant, incombustible, paintability, rodent and vermin resistant; full technical, application data.

(575) United States Gypsum Company: Folder USG Weatherwood decorative insulation; rigid wood fiber board made into predecorated interior wall and ceiling units, either in tile or plank measurements; full data, including tables of heat transmission coefficients.

PLUMBING FIXTURES, ACCESSORIES

• (515) Air Cushion Sales Company, Inc.: Folder new Air Cushion Arrestor to stop water hammer in plumbing pipes; separates air from water entering home system; low installation cost, no breaking into walls; reduces wear on washers, valves; simple answer to nagging problems.

• (593) Aldrich Company: Folders, technical data Aldrich Boiler-Burners for steam and hot water heating systems and hot water supply; verticle fire-tube unit; full information specifications, dimensions, capacities; merit specified for radiant heating system CSHouse Number 13.

• (516) Beneke Corporation: Series two-color folder Beneke water closet covers; white, mahogany, oak for any size, shape bowl; simplicity of design; seamless kiln dried hardwood; full specifications available.

Velvatone

WALL FINISH has been

merit specified

THE CASE STUDY HOUSE
PROGRAM OF THE MAGAZINE

arts & architecture

Velvatone interior and exterior colored wall finishes—insultone insulating plaster and Acoustiflex acoustic plaster—have been added to the carefully selected list of products merit specified for use in the Case Study House Program—a distinction they have earned. The best pastel colors combined with the best finishes and great insulation values, both thermal and acoustic.

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Los Angeles 44, California

For information write—or call AXminster 7167

(662) Briggs Manufacturing Company: Information new stainless steel preformed moulding for flatrim built-in fixtures for kitchen and bath; provides watertight seal between linoleum, wood, other top materials; one piece, preformed to fit making it unnecessary to cut, shape; interlocking frame, fastening clamps.

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

(578) California Shower Door Company: Folder excellent line alu-maloy and bronze chrome showerdoors, tub enclosures; simply designed, mechanically good; doors have full-length piano hinges; manufactured, readily available in Northern California.

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

(419) Crane Company: Information "pint-size" bathroom (6'x5') through use corner lavatory, small (42"x31"), low tub; tub has spacious corner seat; possible to get bathroom down to 3'6"x6'6".

• (477) Harvey Machine Company, Inc.: Brochure full information new line bath accessories in good contemporary design; clean, efficient, practical; used in CSHouse Number 18.

• (420) The Kawneer Company: Folder new shower doors, tub enclosures; doors have full length piano hinges riveted on, rubber seal; enclosures sliding or swinging; both made of extrusions of special aluminum alloy; precision engineered.

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

(663) Los Angeles Water Softener Company: Brochures, folders Suds-master Water Softener; uses black, resinous synthetic zeolite, producing better tasting water; both automatic and semi-automatic models; features Time-o-Matic clock-controlled hydraulic 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 brochure presenting Miami-Carey bathroom cabinets, mirrors, accessories; all items clean design, well manufactured; this brochure is of more than usual value; products merit specified for all current CSHouses.

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

• (566) H. B. Salter Mfg. Company: new catalog detailing, Salter-Glauber all brass plumbing fixture-feather-touch-drip proof.

• (595) Tracy Manufacturing Company: Information new de luxe porcelain sink, cabinet unit; added to Tracy line of all-steel cabinets featuring sink in lifetime stainless steel; 54" double drainboard sink top in white, acid resisting porcelain enamel with crumb cup strainer, streamlined spray; under-sink cabinet.

• (422) J. A. Zurn Manufacturing Company: Complete catalog, folders Zurn drains, interceptors, traps, wall fixture carriers, swimming pool equipment; emphasis on wall-hung toilets basins; good source of information.

RADIOS

• (517) Altec Lansing Corporation: Information new, basically improved line general purpose speakers; improvements include reduction of crossover frequency to 1,000 cycles assuring low frequency cone operates as stiff piston and not "break up" operating range; greatly increases acoustic efficiency; one of best lines speakers available; all sizes.

(701) Altec Lansing Corporation: Specifications new AM-FM Tuner and Amplifier for home use, utilized tuned radio frequency circuit, said to be freest from distortion.

(384) Magnavox Company: Detailed 16-page brochure Magnavox radio-phonograph, including three well designed contemporary cabinets; gives full specifications.

• (350) Motorola, Inc.: Information, brochures Motorola FM/AM radio-phonograph in cabinets of good contemporary design; shadow-silent record changer, automatic shut-off; push-button tuner; dark or blond; worth investigating.

• (518) Nielsen & Neilson: Information regarding installation of home television and custom radio sets in Southern California area; reasonable costs and completely qualified work; worth investigation, installed television CSHouse Number 18.

(385) Scott Radio Laboratories, Inc.: Good 16-page brochure new Scott radio-phonograph Series 800; gives full details of sets, shows several cabinets, including bleached mahogany contemporary.

• (351) Stromberg-Carlson Company: Brochure Futura Model (1121-M1-0) radio-phonograph combination; AM-FM, push-button control; connection for wire recording; one of best contemporary design cabinets.

• (532) Twentieth Century Design: Information one of best sources custom-built, limited production and built-in radio-phonographs of contemporary design; western manufacturer.

ROOFING

(529) E. K. Wood Lumber Co.: Full information several of best lines of sash, doors; includes Druwhit metal doors, windows, Super-Vent awning type windows, Harvey sliding door hardware; Win-Dor integral hardware for shutters; Schundler Fesco Board roof insulation, Grand Rapids Invisible sash balance, Woodlife wood preservatives, Truscon residential steel windows, Timm aluminum windows, Rylock tension window screens, and ic-tator combination screen and storm doors.

SASH, DOORS AND WINDOWS

• (548) 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; no mortising required; all exposed parts solid brass, four finishes available; good answer to old problem.

(519) Aluminum Building Products Company: Information new type combination screen-storm door in aluminum; extruded hollow aluminum sections; screen, storm inserts immediately interchangeable; come with aluminum frame in all sizes for quick installation; good product.

(549) American Structural Products Company: New brochure Insulux Glass Block showing use in schools, hospitals, plants; shows typical installation daylight schools, hospitals, sewage disposal plants where glass block was chosen for fenestration because of insulation value and light transmission values; worth seeing.

(712) Arcadia Metal Products: Side sliding steel sash and doors for residential and commercial use, high quality, fully guaranteed, assembled at factory and delivered ready for installation; standard types and sizes illustrated and installation details given.

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

(30) Ceco Steel Products Corporation: Data-loaded Pacific Coast catalog covering 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; includes plans, perspectives of houses; a good working piece of literature.

(521) Druwhit Metal Products Company: Data, sketch packed brochure Druwhit metal windows, doors, both stock, custom built; nearly all types of metal windows, doors, including casement, sliding, pivot, store front windows; good source technical information.

• (506) Casement Hardware Company: Bulletin well engineered Win-Dor integral hardware for shutters of wood or glass; wood slats 4 1/2" x 5/8", glass slats 4 1/2" x 7/32" to 1/4"; can handle openings up to 4' x 10', worm gear operators; slats held in place without screws, nails; weather stripped; offers wide range contemporary design uses, either vertical or horizontal; good product.

• (416) J. Royden Estey & Sons. Folder Aluminex puttyless glazing skylights, single or double pitch; extruded aluminum roof glazing; makes long spans possible; full technical, installation data; illustrated.

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LIGHTING FIXTURES

42 DISTINCTIVE STYLES
LISTED AT \$5.50 to \$19.50

Prescolite Fixtures—residential and commercial—are designed to conform to the smart simplicity of good modern decoration. Three rich finishes...*Chrome, Satin Brass, Satin Aluminum*... will blend with any decorative scheme.

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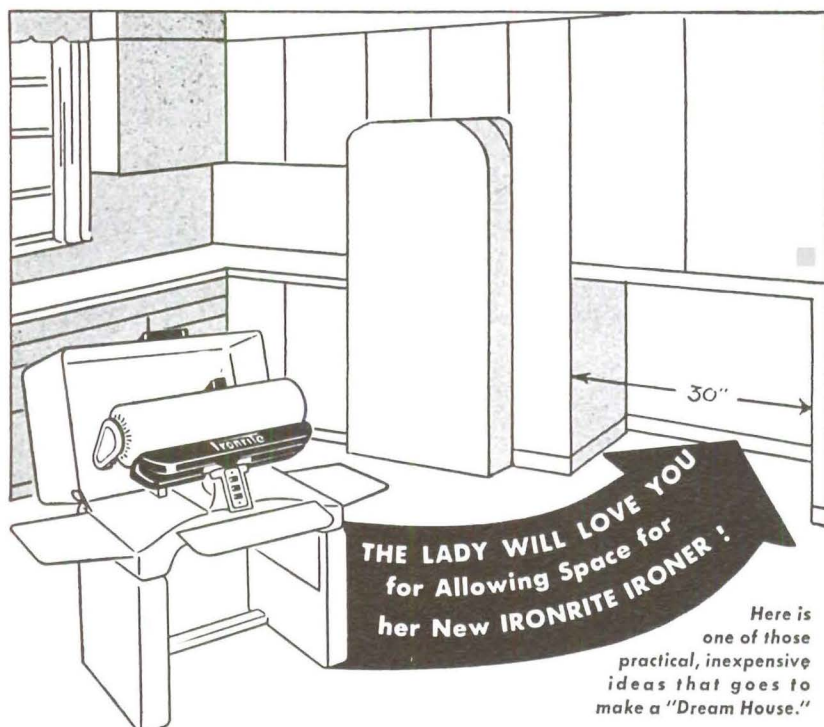
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Many times in small home planning the Laundry gets too little consideration. In forthcoming plans, why not allow a space, alcove or recess 30"x20"x36" to accommodate an IRONRITE Automatic Ironer. It has terrific "sales appeal."

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BASALT ROCK CO., INC., Napa and Stockton, Calif.

ROCKLITE

ROCKLITE PRODUCTS

1800 N. Ventura Avenue, Ventura, Calif.

3927 W. Jefferson Boulevard, Los Angeles

(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, scuff stripped, precision made; full specification, technical data.

(522A) Gate City Sash & Door Company: Brochure 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 sash; 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: Roddiscraft Flush Doors, smooth, modern, finished in beautiful veneers, adaptable to any interior design; permanent Roddiscraft construction guarantees long life and lasting warm beauty of fine woodwork; Architects and designers should acquaint themselves with this excellent modern craftsmanship.

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

(728) 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-Lang 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 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 3/8" x 2' downs merit investigation.

•(356) 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 & C Manufacturing Company: Brochure Johnson Safety Vault, steel safes for floor or wall installations in houses, apartments, offices, varying sizes, pick-proof key or combination locks; insulated or non-insulated; merit specified for all CSHouses current.

(665) Basalt Rock Company, Inc.: Information, facts for architects, builders on Basalite light weight concrete masonry building units for residential, commercial industrial construction.

(744) Belico, 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.

•(357) Colonial Shops: Information contemporary fireplace fittings; 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 study, file space.

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

(738) Stromberg-Carlson: "Better Than Being There" review of Stromberg-Carlson 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.

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(475-A) Tony Hill — Wilmer James: Additional catalogue sheets Tony Hill Ceramics; illustrated.

(737) Kempkes' Meubelfabrieken N. V.: Superflex, a fascinating new product by Dutch concern, flexible veneer plate presenting economical design possibilities limited only by imagination of the designer for curved surfaces, many suggested applications.

• (51) Libbey-Owens-Ford Glass Company: Full color brochure, 12 pages. Vitrolite glass facing; section on modern baths, kitchens; commercial applications well illustrated.

• (378) Lumite Division, Chicopee Manufacturing Corporation: Samples, brochures Lumite plastic insect screen cloth; remarkable improvement in screen cloths; no wear, can't bulge, no paint, easy to clean; comes in colors.

(523) Marble Institute of America: Brochures, information uses of marble for homes; includes suggestions for floors, stairs, fireplaces, counter tops, shower stalls, flagging in gardens, and many others; worthwhile information.

(534) Minneapolis-Honeywell Regulator Company: Information new "plug-in" clock thermostat that can be installed by householder in less than five minutes; replaces manual thermostats, can be used all types automatic heating plants; automatically changes temperature at predetermined times; good product well worth investigating.

• (599) The Nurre Companies, Inc.: Twenty-page catalogue Nurre Mirrors, "Living Pictures;" wide range standard sizes and patterns, including good modern items; mirrors are of high quality, flawless and guaranteed for one year; merit specified in all current CS-Houses.

• (524) NuTone, Inc.: Attractive brochures probably best line contemporary door and door-clock chimes, exclusively merit specified in all CS-Houses; single to eight note chimes, self-contained or with brass tubes; worth investigating.

(360) Pacific Telephone & Telegraph Company: Information for architects, builders on telephone installations; features built-in telephones; definitely should be in all files.

• (596) Frank L. Pollard Company: Folders, information Polly-Matic automatic aluminum indoor-or-outdoor clothes dryer; aluminum lines revolve overhead for easy access; arms designed like aircraft ribbing for strength stiffness, requires practically no floor, ground space; merit specified for CS-Houses 1, 3, 6 and 13.

(580) Prest-Glass Corporation: Literature entirely new translucent sheets Fiberglas with thermosetting resin weighing less than 8 pounds per 24 sq. ft. panel; stronger than aluminum or steel by weight; flexible, won't shrink, warp, buckle; cuts with shears, knife, power tools; can be used inside or out, structural or decorative; comes in colors; remarkable product.

• (396) Rohloff & Company: Folder Kemiko permanent concrete stain; penetrates to full depth of pores; 12 natural colors; guaranteed not to crack, peel; will not fade; ideal for exposed concrete slab floors, eliminates need of coverings; can be used inside, outside; folder gives color chart, application data; applied to concrete floors of any age.

(742) Rosti: Ceramic lamp bases and vellum shades; wide variation

of sculptured forms, glaze treatments and shade combinations possible; lighting and decorative requirements discussed and individual lamps illustrated; very interesting.

(715) Southern Barbeque-Grill Company: "The Way to Perfect Barbequeing" tells how to barbeque chops, steaks, spareribs, chicken, roasts, fish and other specialties; gives recipe for proven barbeque sauce; also illustrates Southern Barbeque-Grills; makes your mouth water.

• (441) Tropicraft: Folder woven wood screens, 1/2" slats, 6' high by 7' long; natural finish or colors; also 2" slats and smaller overall dimensions; good for screens, shades, draw drapes, etc.; best contemporary treatment.

(581) United States Gypsum Company: Folder technical information 2" solid Rocklath and plaster partition; studless, non-loadbearing partition; fireproof, lightweight, space saving; installation methods, tables, detail sketches; specifications.

(525) Western Pine Supply Company: Attractive new catalogue Ponderosa pine moulding patterns available in Northern California; company one of largest wholesale distributors Ponderosa pine moldings.

STRUCTURAL BUILDING MATERIALS

(680) Chase Brass & Copper Company: Catalog solder-joint and flared copper tube fittings and tools; shows how to make solder joints in copper pipe.

(743) Durisol, Incorporated: Folder describing construction and application methods for Durisol 3-in-1 insulated roof plank, combining roof deck, thermal insulation and acoustical ceiling, fire-proof, easy to install, permits savings up to 20%.

(736) Marble Institute of America, Inc.: "Stores Modernize with Marble" gives many commercial uses of marble, gives installation drawings for applying exterior marble veneer; valuable file information for architects and contractors engaged in commercial construction work.

(552) Marble Institute of America: New handbook providing complete information for specifying interior, exterior marble; describes, illustrates classifications, finishes, uses, recommended setting materials, procedures; probably best source information on subject; lists members of MIA in various localities.

(455) Pacific Coast Aggregates, Inc.: Information, folders variety of building materials distributed Northern California; includes accoustical, concrete, insulating, masonry, plaster materials, paints, precast units, wall-boards; good source of supply.

(732) Permanente Products Co.: Installations of Kaiser Aluminum ductwork, recommended specifications for construction and installation noted; FHA requirements given.

(721) Meilink Steel Safe Company: Hercules furnace-tested closet vaults for private homes, a small, fire-proof, theft-proof safe, easily installed; a wise investment.

• (467) Master Metal Strip Service: Information well engineered, fabricated weatherstripping, sections, thresholds;

also remarkable No-Draft sash balance; latter eliminates pulleys, weights; prevents air, dust leakage; 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) Wailes-Bageman, Inc.: Brochure (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.

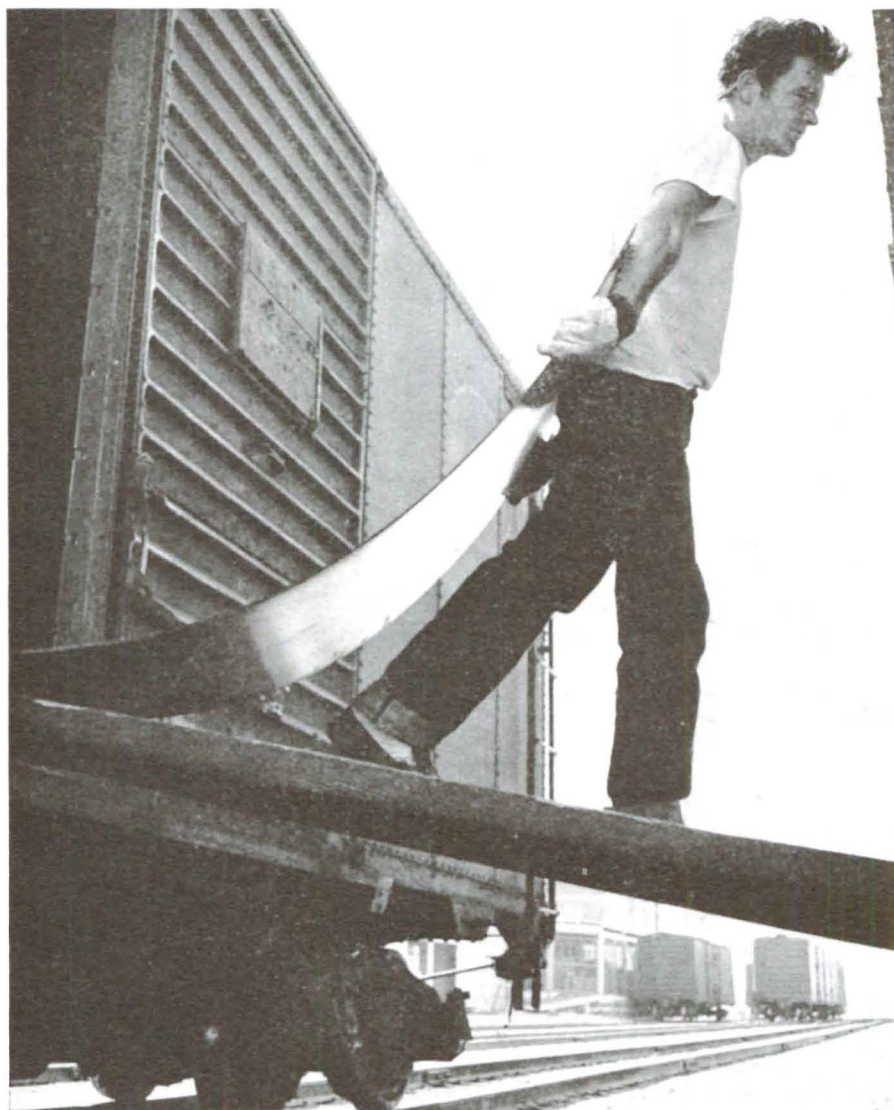
WALL COVERINGS

• (666) 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.

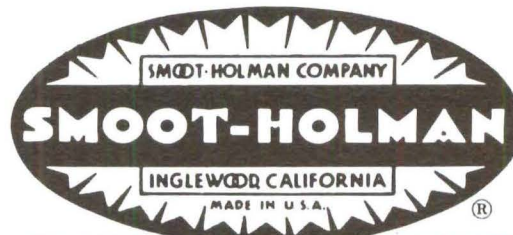
• (468) The Pantasote Company: Brochures in color remarkably practical new wallcovering called Lifewall; comes in rolls, applies with special cement; is vinyl resin, will not crack or peel; is abrasion, fade resistant; impervious to all ordinary stains; wide range of plain colors; this products merits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



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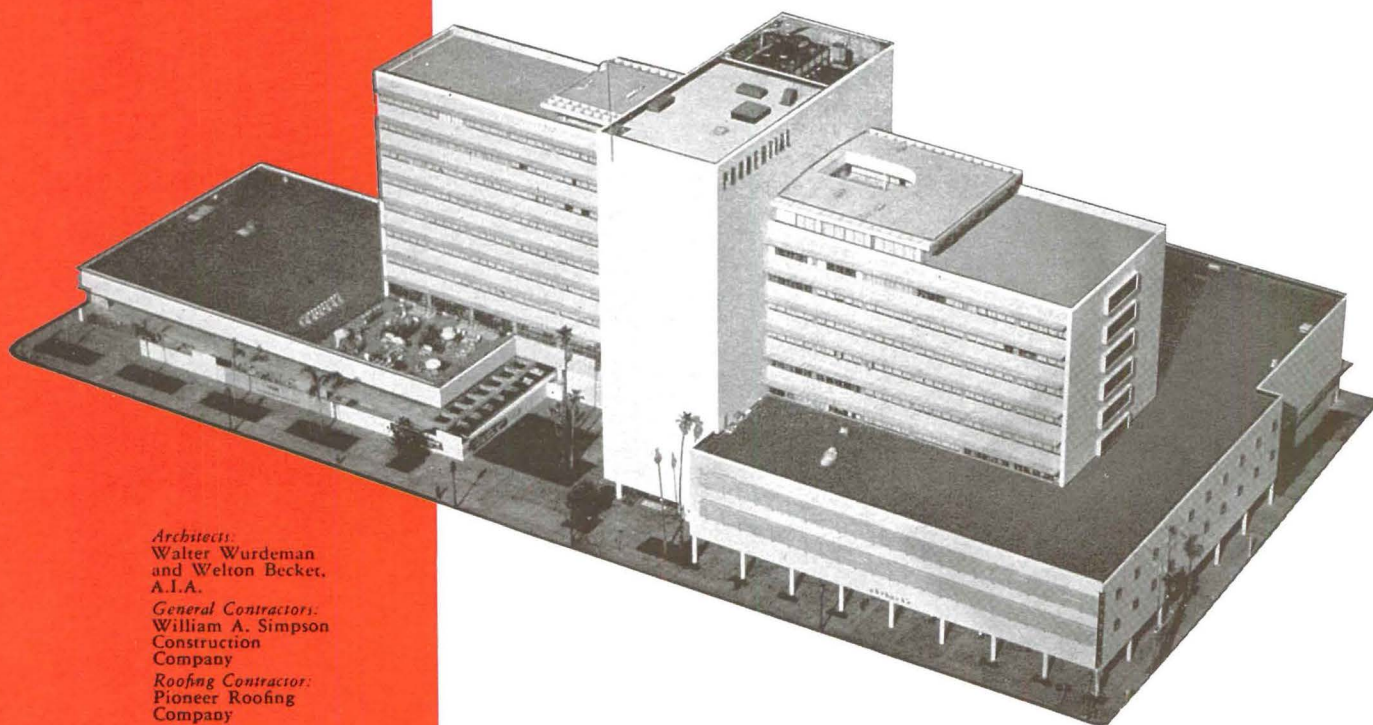
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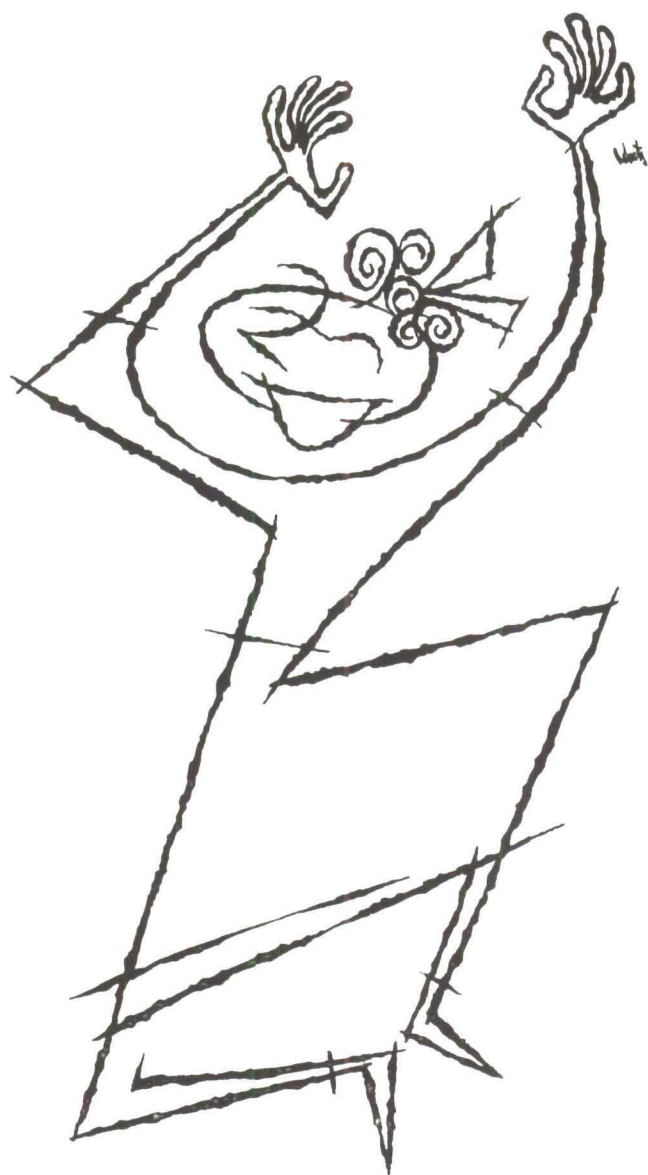
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