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In seeing the pictures from the Kaiser-Friedrich Museum in Berlin, we are reminded of the evergreen topic of the relative position of the old masters to modern art. As a matter of fact the Berlin paintings emphasize the truism that no matter how far afield the art of our age seems to have strayed it is, and will continue to be, indebted to, and motivated by, the past. Circumstances of a new industrial age during the previous century placed the Prussian royal family in a position to be able to compete in world art markets with British and American art collectors. As a result each painting in the Kaiser-Friedrich Museum is a fine one of its kind. In such examples the basic traits that are part of the deep current of creative art are more plainly visible than in lesser specimens, even if by the same painters.

Students today are taught that Courbet, or Corot, Delacroix or David and Ingres, were the founders of modern painting. Among these pictures from Berlin are several that might have been painted by one of these; for instance, a 16th century Correggio is only distinguishable from an Ingres by its robust bad taste; a Bernardo Strozzi is much like the studies in form painted 200 years later by Corot and Courbet. The Los Angeles County Museum owns another Strozzi canvas, equally handsome in its textures that were to be echoed later in the flesh tones of Manet. Thus we see that our “founders” were themselves reworking older experiments in the idiom of their day.

A portrait by Baldung Grün, a German painter who died in 1545, forcibly reminds us of the vision of Ivan Albright. Both painters are as passionately concerned with qualities of surface irrespective of importance, and have the same respect for insignificance and ugliness as for their opposites. The shrewd, executive, middle-aged features of Baldung Grün’s sitter are presented with the same degree of accent as are his holiday clothes of fur, brocade and seed pearls. In the permanent collection of the Los Angeles County Museum is a small picture also attributed to Baldung Grün, a Virgin with Angels. At first glance the naively indicated interior, mahogany chairs, and red and white color scheme suggest a folk Valentine. But the treatment of the Madonna whose pose symbolizes the act of parturition—perhaps less attractively than Piero della Francesca’s more famous version—the physical, female pain upon her face, tie this painter into the thinking of today as it is expressed by Albright and Rene Magritte, seen here recently at the Copley Galleries.

Of portrait painters some of the greatest are included; Botticelli, Bronzino, Giorgione, Hals, Lotto, Mantegna, Rembrandt and Titian among others. It is not as a record of celebrities, or of costume, that their work most concerns us, but the testimony that their subjects were, not strange dead creatures, but people just like ourselves. The personalities of these individuals are legible to us in their portraits. Once they had a hair cut and a new suit these men in puffy doublets and quaint hats would look quite natural driving our cars or sitting at a desk with two telephones. We do not need to be told which of the models were statesmen or successful merchants and which were the mystics and art collectors, it is written on their faces. Psychic interpretations by our contemporary painters are often expressed by external symbols but the necessity for this expression of the painter’s insight, in addition to rendering the likeness commissioned by his sitter, remains constant among creative artists.

Small interior scenes by Dutch and Flemish painters are exquisite, within them all is clean, rich and cozy, a world that probably never quite happened, but which was pictured as the painter and his patron would desire it. Vermeer needs no introduction, his well-dressed, wellfed models, forever immobilized in the act of putting on a necklace, drinking, or just sitting, are seen like reflections in a Venetian glass mirror, through mysterious cool light. Ter Borch and De Hooch, contemporaries of Vermeer, took more interest than he in the material possessions of their customers, in textures of stuffs and bibelots of value. The two pictures, the “Card Party,” by Ter Borch, and “Interior With a Lady Seated,” by De Hooch, in the County Museum’s collection, are
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CONTENTS FOR FEBRUARY 1949

ARTICLES

Material and the Immaterial by Bartlett H. Hayes, Jr. 22
Why do I Paint by Robert J. Wolff 36

ARCHITECTURE

House by Gregory Ain, Architect, Joseph Johnson and Alfred Day, collaborating 25
Studio by Harry Seidler, Architect 28
Office by Aline Whalen, Designer 30
Office by Olson Designers 31
House by Lawrence Evanoff, Architect 32
House by Eugene Weston, III, Designer 34
Case Study House 1949 37
House by Rolf Skalarek, Architect 38

SPECIAL FEATURES

Weavings, Anni Albers 24
Art 6
Cinema 12
Music 14
Notes in Passing 21
Merit Specified Products 40
New Product Literature and Information 41
Index of Advertisers 50
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 ARTS & ARCHITECTURE

quite as fine as the Berlin examples by these painters. This opportunity to measure the quality of paintings owned here with important, comparable ones from the old world, is rare. In the case of these two, and the richly dignified Still Life by Willem Kalf, also owned by the Los Angeles County Museum, the California owned paintings meet the test of comparison very well.

Of great religious painters there are many; Bellini, Burgkmair, Durer, Martini, 2 Memlings, Memmi, 2 Raphaelis, Cosimo Tura, Van Eyck and Van Der Weyden—and more. Least seen in this country are paintings by the French painters, Fouquet, De La Tour, and Chardin, whose cool rationalism and unpretentious dignity were as consistently national as the restatement of classical romanticism by Poussin, Lorrain and Watteau in their respective manners, or the more recent redefinition of light and space by Renoir and Cezanne.

The fragile condition of some of the Berlin pictures has made it necessary to withdraw some of them during the museum tour of the United States. It is quite possible that some of the examples mentioned here have not been seen in Los Angeles, but as the replacements were drawn from the same collection the quality of the whole did not suffer. The scrupulous precautionary measures taken by army officials and museum experts in charge of the show were in striking contrast to the treatment of the same priceless pictures by their nominal owners, the Nazis. These first swapped some of the collection among other museums and themselves, then hastily trucked the "cream" into damp mine tunnels with tons of other valuables for protection against mass air raids. The work of the American MFAA, (Monuments, Fine Arts and Archives), section of our army was magnificent—an innovation among war techniques. The story of this organized salvage is told by the director of the California Palace of the Legion of Honor at San Francisco, in his "Salt Mines and Castles." The author, Thomas Carr Howe, was an active member of this section. In the long view of history the fate of great art has been decided by the rule: "To the Victor Belong the Spoils." The acquisition of loot as the aftermath of war was as customary as the attendant starvation of the conquered. That we are obligating ourselves to the responsibilities of feeding the hungry enemy, and also of returning the treasures of the vanquished indicates some progress in our historic attitudes.

To anyone who regards the collective art of the past as a source rather than as an end a recent round-table discussion at the Modern Institute of Art in Beverly Hills was pertinent. The topic was the art of the future—the speakers, two painters, Biberman and Zorthian, the art critic Kenneth Ross, and curator of contemporary art James Byrnes—the audience was mainly of practicing artists. The speakers side-stepped the pitfalls of the program title and discussed present trends as they saw them, ending with relatively similar agreement as to the future. It was tentatively implied that the abstract art of today is a healthy and valuable phase, that it may last for another generation, and that it will never be completely accepted by the lay public nor will it permanently replace naturalism as a major art form. So essentially conservative a conclusion, based upon historical and logical observation, was not acceptable to all of the audience.

To this listener the use of the term abstract seemed arbitrarily limited, apparently to describe non-representational art of the past 25 years. It was more specifically defined by Mr. Biberman as the abstraction of the essentials of form. That it is just as often a presentation of intangible concepts was not suggested. The current display at the Modern Institute at that time, of ceramics, textiles, ceremonial objects and figurines from primitive cultures of several thousand years had one common fact: each object was an abstraction either of form or concept. In each the abstract

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treatment was deliberate, no matter what were the differences of age, material or geographic origin. This testimony of man's perennial use of abstraction was not, apparently, connected with the immediate phases of the same process during the round table discussion.

The recent "forum" on modern painting in a popular magazine was quoted apropos of a current awareness, among artists and public, of tiniteness, or thinness, in material and treatment, with its recommendation that artists turn to political or religious themes in order to revitalize their work. The comment of Mr. Ross was that if an artist does whatever he feels he must do and does it as well as he possibly can, no matter what his subject, the quality of art will take care of itself. This broadly humanistic view gives the greatest freedom both to artist and public, in their respective roles of creator and spectator, and could very well be broadcast.

A predicted return to the old masters was interpreted, by a part of the audience, as the abandonment of invention and the resumption of copying Rembrandt. This construction of the phrase did not seem meant to be funny. The principle of return in the sense of a re-examination of the work of the past from our viewpoint is not new but is undeniably valuable. The artists who quote with Cezanne—and some of them do sound like they're driving their creative potentialities, they are throwing away the sum total of their heritage to laboriously begin from scratch.

The average man uses the gadgets already made in his daily life; he may improve on them but he doesn't throw them away and insist on using only what he has himself hacked from wood and bone. Each painter can hardly expect to toss out the hard-won experience of the past and begin all over again. The human eye does not change physically within our measurement of time but the spirit that looks out of it changes with the centuries. Our evaluation of Greek sculptures is quite different from that of the Renaissance when artists then living were so much affected by the excavation of classic sculptures. It is equally different from the evaluations of the same examples by baroque architects and Victorian aesthetes. Each period sees what is adaptable to its own uses. Twentieth century artists have appropriated as much of primitive art as could be absorbed within the framework of their problems. Such integrations have always been stamped with the thinking of the adapters and were in no sense copying. The wave of reference to pre-Columbian art among Mexican painters is already an old story, the invigorating results are evident and good. A smaller straw in the wind, the adoption of Renaissance techniques by Le Brun, Berman and Warshaw, is also familiar and has strengthened the work of these men, none of whom may be called imitative.

The dead past is a cliche. Men made the past and vanished. The material remains of men have shaped us; so long as these remains exert their force the past is not dead. Modern methods have led to the reworking of old mines and even tailings; old scrap iron is essential for new steel; in the same way the past is a vast quarry from which we, with fresh approach and new requirements, can find whatever we need to incorporate with our own concepts.

There is a new book, just out, by Walter Pach; "The Art Museum in America." Begun as a covering handbook for our museums it is much more than that. Reviewing the growth of a century in this field, which here means from almost nothing, Pach surveys the contents of the museums, how they are displayed and the aims, if any, of these institutions. He has done what he has advocated for 25 years, treated the great arts of antiquity, of Christianity, of primitive peoples, of pre-Columbian America, and modern art, all in relation to one another. This means that he has of course included the collections in ethnologic and natural history museums.

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with those of the fine arts—the physical rearrangement of the actual material on the same lines is much to be desired. It has already taken place in some institutions, as it was recently shown by Dr. Karl With, director of the Modern Institute in Beverly Hills, for instance. Dr. With arranged a display of Miro and Klee with Coptic tapestries and tapa cloth, with provocatively fresh results. Walter Pach’s mature, dispassionate appreciation of the interplay of great art through time is one of his most important qualities. He is probably the greatest living American art critic, to read this new volume is about the best introduction to the pictures from the Kaiser-Friedrich Museum we can imagine.

CINEMA

ROBERT JOSEPH

One quarter of the applicants at State Unemployment Offices in the Los Angeles Area were employed in the motion picture industry in their last jobs. State estimates indicate that the motion picture industry now employs one-third of its normal complement of artists, craftsmen and technicians. From a normal production schedule of an average of forty five pictures in weekly production, the figure as of February 1 dropped to nineteen films before the cameras, of which three were being produced abroad. There are ample statistics to prove that Hollywood is in the doldrums, that the film industry faces a sizeable crisis—indeed, a crisis commensurate with the one which it faced in 1932 when studio executives asked all employees to voluntarily accept a 50% wage cut. Hollywood, which lives on half-promises and speculation, which operates on hearsay and conjecture, and which thrives on gossip and rumor, is more rumor-ridden than a post-war European capital.

Official statements, often contradictory, about studio closings and openings, which set the date for full production for the first of any month between now and the end of the year, have put the town on edge. Add to these elements the recent court decision in the Lester Cole case; statements by Ellis Arnn, the new spokesman for independent producers; the behind-the-scene struggle for control of the television field by radio networks and the wholesale dumping on the Hollywood literary scene by studios of hundreds of screenplays—all these factors and more have conspired to add to the current tension.

Yet, despite these indeterminates and the slow mist of misfortune which seems to be enveloping the industry, there are those who are hopeful of the industry’s chances. There are some happy factors: the apparent quietness of the Motion Picture Alliance for the Preservation of American Ideals, an organization founded to purge the industry of its heterodoxical personalities; the recent creation of the Motion Picture Council, an all-front, all-purpose organization, founded to ‘resell’ the industry to the public; the relative hush on what used to be a lively internecine labor front—these are some of the happier manifestations that the industry will come back and that the public may expect improved film fare. To understand what Hollywood is and how it functions requires the special knowledge of an economo-aesthetic-technician, a combination of a business man, a creative artist and craftsman, plus the incisive mind of a combined Senecius-Darwin. Such an individual might pass easy judgment on what the motion picture industry is and how it operates. In general terms, however, it is easier to show with clarity what Hollywood lacks. The three basic lacks of Hollywood explain much of what the industry is and how it functions.

There is first in Hollywood an obvious and appalling lack of political maturity in management circles as well as in labor. Hollywood has always been an eager beaver for political causes of
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the right, center and left. Hollywood is inevitably called upon to be a Vice President, a Southern rabble-rouser, an investigating Congressman, a grassroots spellbinder, a cross roads postmaster, and any man with a cause no more nor less objectionable than anti-vivisection. And the stars, directors, writers, producers and others will give their name, their time, their services and their money for any kind of political hoopla without a clear realization of what it is they are backing, and, without realizing the necessity for political repayment—primarily in terms of favorable legislation and secondarily, in insisting on the usual political emoluments and the right to make local or national political decisions in concert with the political representative. Hollywood has not learned the basic lesson of the war clubhouse that you work for the Boss for a Christmas basket; and he works for you for the vote. A second lack is that of the basic misunderstanding by Hollywood labor of trade union thinking, trade union strategy and trade union action. First, writers, directors and other white-collar craftsmen abhor time clocks and abhor the notion that they are labor, and that they have some connection with the UAW riveter, the ILGWU machine operator or the NMU fire-tender. Second, in the political sphere Hollywood labor unions are notorious backers of the wrong political candidates. In the Hollywood and Beverly Hills precincts, the Hollywood studio worker sent Taft-Hartley proponents to the Eightieth Congress. Third, some guilds and unions find themselves debilitated because of excessive extra-curricular non-labor activities which take them far afield and perilously near the Party line, and this, too, has often served to either alienate or bore the rank and file. But in general terms, much of Hollywood labor's labor apathy is the result of an almost complete absence of trade union education among trade unionists—and this, in turn, has resulted in intramural strife, strikes, work-stoppages, and all that jurisdictional disputes connote.

Finally, Hollywood has suffered within the last year or two because of the lack of ideas and reality in its current motion picture output. The apparent predilection of film reviewers for foreign pictures—their titles are legion—does not show, as some film trade papers would have its readers believe, either critical per-

versity or a lack of patriotism; these foreign films better fulfill the elementary requirements of a motion picture because they express current problems in filmic terms with universality and realism. The absence of content and realism is a result of management's current decision to avoid controversy, pressure and investigation. And it is a noteworthy and somewhat discomforting fact that of all American industries—including press, theater and radio—the motion picture industry is the one least sensitive to consumer pressure, and the most subject to pressure from non-industry sources: Congress; censorship boards, self-appointed guardians of American morality; religious lobbies; and numberless organizations devoted to defending womanhood, the home, and our minds.

Notes & Comments "Red Canyon" is a good out-of-doors western with lots of color, well used and not too garish. There's a horse-race, but not as objectionable as film horse-races go. And there are some refreshing performances by Ann Blyth and Howard Duff and John McIntire, who gives one of those rare, stand-out performances that often makes an otherwise average picture worth sitting through. . . . Recommended reading the January 31 special issue of "New Republic," which the writer edited, and which is a thoughtful and thorough analysis of the motion picture industry in the economic, political and creative spheres, with pieces by Lewis Milestone, Ernest Pascal, Kenneth MacGowan and others. . . . Stay away from "Lucky Stiff" which is not as good as its title, and "The Brides" which is heavily cast and lightly written and directed. "Red Shoes" is, of course, recommended, and "Red Pony" is another John Steinbeck picture worth seeing.

MUSIC

PETER YATES

MUSIC IN THE BAROQUE ERA, from Monteverdi to Bach, by Manfred F. Bukofzer, Professor of Music, the University of California; New York; W. W. Norton & Company, Inc.; 1947.—"The fun-

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damental turn from intervillar to chordal harmony, from prepared to unprepared dissonance, took place around 1600. Dissonances, notably sevenths and ninths, needed no preparation, if justified by affective words. . . . The chromaticism of the earlier madrigal had paved the way for melodic dissonances. . . . Such is the beginning of modern music as we know it, a music made of harmony, in which the gradual exploration of all consonances by the evolution of the tempered scales and modulation through all the keys put pleasantness, in theory, ahead of expressiveness as the criterion of any tonal combination. During these three centuries the conception of melody itself was subordinated to an increasing appetite for consonance, until a time arrived in the full luxuriance of nineteenth century musicology when no valid definition of melody was any longer possible. Melody had been swallowed up in harmony, and its affective qualities, though still central in the best melodic practice of Schumann and Chopin, had to be rationalized by musicologists as personal aberrations of genius, as phenomena not necessarily valid for correct musical practice. Against these accepted conditions of musical education and normal musical practice, the reappearance during the present century of an art of dissonance has been made to seem arbitrary, unpleasing, and in spite of many strong supporting arguments meaningless.

To describe what has happened during the beginning of the twentieth century the previous quotation may be reversed. One may say that the fundamental return from chordal to intervillar harmony, from unprepared (Debussy) to prepared dissonance (Bartok, Schoenberg) took place around 1910. Dissonances, notably sevenths and ninths, having become accepted in theory as harmonies, needed no preparation. . . . The chromaticism of Chopin, Wagner, and Liszt had paved the way for a renewal of true melodic dissonance.

Not many years ago, when Donald Tovey was summarizing with unrivaled art the musical understanding of his lifetime, he was able to dismiss the entire experience of seventeenth century com-
the names are convenient handles. One might better divide the
two periods by calling one of them expressive and the other af-
factive. Expressive music is the voice of the emotions, their musical
abstraction like the mass, the drama; affective music explicitly
describes the emotions, characterizes them in the idiom of indi-
viduals. So understood the change from Renaissance-expressive
to Baroque-affective music becomes plain, paralleling the counter-
change from Romantic-affective to Twentieth-Century-expressive
music. To understand the Romantic-affective in its relationship to
Twentieth-Century-expressive music one will be well advised to
study the earlier contrary relationship. And this comparison has
been notably enlivened and made easier by the inclusive volume,
Music in the Baroque Era, written by Manfred Bukofzer and pub-
lished by Norton.

Although the terms expressive and affective lend themselves to
clarifying the distinction between the Renaissance and Baroque
periods of music, they do not assert the important continuities.
From the versets of Cabezon and the fantasies of Gibbons to the
polyphony of Bach, the finale of Mozart’s Jupiter Symphony, the
fugues of Beethoven, the passacaglia of Brahms Fourth Symphony,
expressive music continues its unchanging purpose. As early as
Machaut and as late as Schoenberg’s Pierrot Lunaire affective
music continues its idiosyncratic effort. In truth music wavers like
any art in emphasis but not in determination to embody in one
medium all sorts of content.

The breakdown of the objective formal conception of Renaissance
music into the multitude of subjective formalistic styles of Baroque
music has been thoroughly catalogue and examined in engross-
ing detail by the first section of Bukofzer’s massive text. The
enormous variety of Baroque experiments and the smaller number
of its undeniably successful styles are studied by countries, by
composers, by interpenetrative influences, by types of style and
types of instrument, in terms of purpose and environment. The
entire evolution is summarized in relation to the works of the two
chief Baroque composers, Handel and Bach. This summary is then
abstracted into general formal and stylistic principles, method-

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ology of thought, and social and institutional significance. To criticize the whole of this immense examination would require a knowledge as great as that of its author, but it is possible to add information concerning certain significant details.

Last August and September a group of local musicians in Los Angeles came together as the New Friends of Old Music, under the sponsorship of Evenings on the Roof, to present four programs of Baroque compositions. For these programs the violinist Sol Babitz had obtained from the Dolmetsch Workshop a bow copied after one built in 1740 and identical with one shown in the contemporary illustration to Leopold Mozart’s treatise on violin playing. With this shorter bow and a flattened bridge he was able to play chords and counterpoint on three and even on four strings. Played thus, the Bach Chaconne resounds as a true dance character, implemented by phrasing according to the rhythmic practices of the period. Such practical experience discredits not only Schweitzer’s tale of the bowstrings controlled by the thumb but also Bukofzer’s cautious inference that “in Bach’s time also the multiple stops had to be executed in arpeggiated form.” Such slight arpeggiation as did undoubtedly occur resembled that in keyboard playing, to emphasize the momentarily leading voice.

Professor Bukofzer also throws doubt on the authenticity of the embellishments shown in a preserved example of Corelli’s Ninth Sonata as it was actually performed by Geminiani. The playing of the sonata in this version by Mr. Babitz, with Wesley Kuhnle at the keyboard, was a revelatory experience to the audience which had heard it played first in modern legato-vibrato concert style. At a later program they played Corelli’s own ornamented version of his Fourth Sonata. Comparison of the styles shows clearly the increase of virtuoso performance from the rather brusque ornamentation by Corelli to the suave and very elaborate embellishments used by Geminiani. I think there can be no question that, properly rhythmed, the Geminiani version is authentic and not in any way extreme.

“Properly rhythmed”—and there’s the rub. “As to bowing and tonguing the general rules can be stated that all notes were sep-

(continued on page 49)
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All right, all right, so maybe we are going to have peace; so maybe we are not going to have peace. It is just that it might be a good idea to test the wind velocities in the twilight zone between two stools if that is where we are going to have to sit until good sense becomes a measure of solution. One fights to find reality in the day-by-day parade of events that make the history of our time, and one knows, as a reasonable being, that nothing need be irrevocable or inevitable. It is only in the complex of events, over which we have so little control, that it is difficult to maintain any kind of ordered thinking this side of the widest generalities. However, that way lies other-worldliness and a kind of personal withdrawal that adds up to the intellectually capon.

It would seem that we now face an adversary that admits no compromise but will, by all and every means, temporize instead at every possible twist and turn of events. It is a little like fighting one's way through a Chinese theater and encountering the same identity behind a lightning change of masks representing innumerable faces to suit any momentary scene. Perhaps we have mistaken the game we are playing. Imagine our surprise to find that it is not chess at all but jack-straws. There is a perilous line between the dream and the nightmare, and if, indeed we are to continue to dream of hope and peace we cannot go on for too much longer with this business of waking up screaming. Granted that our value system and the manner in which it is to be applied is an invention concocted out of the necessity for some kind of form in human dealing, we must not assume that we are the only reasonable people in the world. But it is, of course, very disturbing to make one's manners and have them shoved down one's throat by someone who obviously has no use for them.

In a world in which we have developed so many pat answers it is very upsetting to find ourselves dealing with people who play the current situation by ear toward a conclusion that so obviously cannot include our way of thinking. To circumvent this horrid thought we go through a kind of self-induced hypnotism within a dream of chicken-every-Sunday as though that happy fact were a part of the cosmic order of things that must happen because we will it so.

At all events, as we recede from reality we must at some point find that everything comes into acute perspective and there, perhaps, we will be able to develop a point of view upon which to base a real policy. Until then we will no doubt continue building walls around ourselves and our possessions and our feelings until we realize that we can make no progress if we are to be imprisoned within our own rigid little moralities. Perhaps that is the nature of the perspective that will free us, and until that moment we will have to suffer the unendurable and dubious pleasures of indefinite postponement.

It would be an immense relief if one could find somewhere between Spengler and Toynbee a pat answer to apply as a vanishing cream to our present world problem. A quiet evening with the political philosophers should, it says here, put one's mind at ease; but ease, like the carriage trade, is evidently becoming a museum piece and only remains to be looked upon as a regrettable appa-ration from the past.

Of course, it never occurs to us in our vanity that probably the new world calls for an entirely new kind of people. Perish the thought that we could just possibly be obsolete in terms of our own time. It might be that our little rules can make sense only in a kind of tinker-toy world that will not outgrow our peculiar sort of childish play. Maybe in our rather singular conception of life as a game, we can no longer find a valid premise upon which to proceed into the future. Willfulness however good-hearted may no longer be a means by which any real end can be accomplished. That of course, is a sad thought and a very disturbing one.

But while we are in the midst of this project of redesigning a world, it might be that we attack the problem from the wrong end. It might, indeed, be that the only real answer is a redesigning of the human being.
At least twice in the past, Western Civilization has altered its solid appearing environment to emphasize the world of the spirit; it overlayed the structure of early church architecture with the intangibility of color provided by the Byzantine Mosaic. It converted the heavy stones of the Romanesque church into the mystical glass of the Gothic Cathedral.

In his search for inner truth, modern man has penetrated the structure of solid matter and finds there space and energy of which his five senses give him no inkling. Has the modern artist found in the product of the laboratory a means to give esthetic conviction to this search?

There are several specific points of esthetic importance which the discerning eye may discover and make use of in formulating an answer to this question:

An oil painting on galleria by Moholy-Nagy, 1926, illustrates pictorial space which is actually constructed on successive layers of translucent material instead of being dependent on the two-dimensional surface of a canvas for presenting the illusion of space; I. Rice Pereira, represented by several examples, carries this construction of pictorial space several steps further by increasing the actual depth between layers, occasionally making use of a corrugated glass surface which alters the pattern as the angle of vision changes and in one instance, through the use of polarized light, achieved a picture in which the colors, as well as the pattern, alter with the angle of vision. Time and actual space thus become elements in the emotional assimilation of a picture. The material presence of the picture is no longer the sole source of the emotional reaction.

Gabo, represented by a sketch for a war memorial, 1922, and by two other recent examples, affirms the reality of constructed space when he points out that, contrary to Platonic philosophy, his works of art are in no sense a representation of ulterior ideas. They are, themselves, the ideas constructed in visible terms and have no existence until so constructed. This interdependability of thought and matter seems indicative of a current trend in esthetics; for, surely, one feels while contemplating the slowly resolving light forms created by James Davis (see Arts and Architecture, October 1948, page 24), that these reflections, or shadows, are in themselves the esthetic reality. Remove the screen, or the surface upon which they appear and the precise thought, as well as the satisfaction of their fluctuating existence, is gone.

But if there are profound overtones to the exhibit, there is also gaiety: here, it is fused with a semi-mathematical feeling for order, represented by the luridly brilliant "Torsions" by Toni Hughes; there, by a nursery-like, internally lit "Beach Carnival" motif constructed of laminated plastic by Emmy Lou Packard. There is a technical interest in the materials and processes for their own sake, which is incidental, nevertheless, and there is, above all, a dominant impression of the fact that fifteen different personalities are represented, from the clean cut plexiglass carvings of Claire Falkenstein to the more sculpturally conventional use of translucent materials by Hesketh. In an age wherein society tends to mass-produce its emotions, as well as its thoughts, this is a welcome and progressive sign. A healthy difference in point of view must not be mistaken for confusion, or esthetic vapidity.
From an exhibition at the Addison Gallery of American Art, Phillips Academy, Andover, Massachusetts.

Photographs: Andover Art Studio

Above: Zamar Schatz—“Little Pleasures” • Center left: Alexander Archipenko—“Onward” • Center right: Moholy-Nagy—“Rho 60, 1937” • Below: L. Rice Pereira—“Polarized Painting”
In fabrics it is often too great a temptation to deal exclusively with esthetic values not realizing that, while the media is certainly a legitimate activity for the imaginative mind, the designer is only free with color, texture and pattern to work within a conception of usefulness.

Fabrics must combine with their own beauty a collaborative responsibility to those other things that also serve, and in that purpose the objective must be to achieve a balance between mere decor and dull utility. While they can be regarded as architectural elements they must also possess a pliability and fluidity in the control of light, in the control of space, in the control of color that avoids weight or bulkiness and, within reasonable limits, consider the facts of maintenance.
HOUSE BY GREGORY AIN, ARCHITECT
JOSEPH JOHNSON AND ALFRED DAY, collaborat ing

The site of this house is an old eucalyptus grove, sloping gently to the south, and overlooking the city and the sea. East and west boundaries are marked by native tree-filled ravines. The approach, along the north side of the property, is a semi-private road across which is seen a nearby range of steeply rising mountains.
For the family of three for whom the house was designed, a moderate-sized den and dining room will serve as the daily living areas. These can be opened to one another across the glassed-in entrance loggia, or separated by wide sliding panels. The den opens toward the south and west, upon a large paved and planted terrace; the dining room opens north and east toward its own patio, and the mountain view is seen above the redwood wall which screens off the guest parking space. The living room and alcove, placed at the end of the entrance loggia, are intended to be used only for larger gatherings and more formal entertaining; when not in use they may be completely sealed off by another sliding panel.

The kitchen, breakfast alcove, and sewing and laundry areas have normal eye-level windows only to the north.

**GREGORY AIN, ARCHITECT**

JOSEPH JOHNSON AND ALFRED DAY, COLLABORATING

Nevertheless, they receive direct sunlight until noon by means of four transverse clerestory strips overhead, which provide natural daylight and ventilation also for the interior bathrooms, hall, and parents' dressing room. The roofs of these clerestory strips are in the same plane as the high living room roof, sloping upward to the south. All other roof surfaces including overhangs and trellises are in one plane, somewhat lower and sloping in the opposite direction.

The southerly end of this lower roof plane provides a pierced shelter, eighteen feet by forty-eight feet, above the living terrace. The northerly end, projecting four feet beyond the dining patio wall, provides protection over the walk from the guest parking area to the main entrance way. This entrance way, leading down to the house, is flanked on one side by a series of free-standing masonry planting boxes, out of which rise vertical light wood trellis frames.
the architect's studio

HARRY SEIDLER
architect
This was a dark, basement storage room with access to a small garden on the water at Point Piper, Sydney, Australia.

The solid brick, front wall was removed and substituted by glass, affording a good view of the bay. The floor space was divided into living and working areas by a free-standing open bookcase which can be used from both sides. The radio-phonograph loudspeaker was built into a solid portion of this bookcase, and directed to the real wall. The angular composition of the front glass wall and bookcase are co-ordinated.

Lighting is from indirect fluorescent light recesses: above the curtain, giving reflected colored light of the fabric; behind the last unit of the hanging wall storage case.

The colors are neutral tones on large surfaces with accents of primary colors. The walls and ceiling are light gray; the back wall is dark gray. The horizontal storage case is black with black and clear glass sliding doors. All bookcases are light gray and the carpeting is also gray. The curtains are yellow. The doors and cushions are of bright blue, red and yellow.

Chairs by C. Eames and Barwa Associates; desk and wall lamps by General Lighting Company; lithographs by Josef Albers.
ALYNE WHALEN designer

These offices were designed as an individual group in a large building where all corridors (three miles of them) are continuous, flat walls.
As the office allotted to the secretary in this group was larger than necessary, the wall was recessed, and a section of the conference room, constructed of louvered glass with oak pilasters from floor to furred ceiling, serves also as a reception area.
The private office was completely re-designed from a standard box-type with a ten-foot ceiling to one with a pitched ceiling in order to give the room more importance as well as to divide it into two groups: work and lounge. This was accomplished by furring the ceiling to a height of seven feet along the corridor wall forming the lounge area. The furred area was used to carry the air conditioning ducts and the flush, indirect lighting. By pitching the ceiling from the seven-foot side of the furred section to ten feet on the window wall the light area was kept intact.
The drapery fabric is by Ben Rose; the sofa fabric is by the designer, and combines the green of the floor covering with the beige and brown tones of the walls, wood, and cork on the wall behind the sofa.
The secretary’s office is furnished with stock office furniture. The walls seen from the main corridor are burnt-sienna, and the draperies are natural cotton fabric.
The conference room (used also for lectures and movies) has a display shelf and background wall of cork, lighted by Century Lighting Company spun aluminum fixtures hung from the ceiling. The furniture, except cabinet work (not shown) is by Van Keppe Green. The doors and cabinet work in all of the rooms are in natural white oak; all floor coverings are in gray-green carpeting; all furniture, unless otherwise noted, was especially designed by Miss Whalen.
OFFICES

Olson Designers

The clients required a reception room, a semi-private office, a private office, small gallery and a large work area. The arrangement was accomplished by placing the private office in a central position and surrounding it with a pleasantly light wall. In this way the space was divided into two large rooms and a hall. The first large room was further separated by a partial glass partition dividing it into a semi-private office and reception space; the hall was employed as the gallery, and the remaining large room, left as work area.

The reception area was treated as a three-sided room since it was desired to subordinate the existing window and entrance wall, which was predominantly glass. This wall extends into the gallery hall and was painted dark battle-green. A drapery in beige and chartreuse with battle-green propellers was used against another wall to cover building abstractions, and to create a lively background. The partial partition of glass and flattened, expanded metal acts as a source of outside light and ventilation for the reception space. The plastic-covered wires were used to strengthen the slender wooden verticals, and to act as a device for mounting future display plaques. The reception desk as well as the remainder of the furniture in this room is of white birch. The grey wall behind the desk, the grey pane linoleum, and the dark green ceiling extend from the reception space into the semi-private office and the gallery.

The semi-private office has a radiator cover containing a storage cabinet, and extends across the window wall. The private office has tapered walls which permit the normally unused space of rectangular offices to be used in the surrounding rooms.

A spacious desk is placed at the larger end of the office at an angle which gives a normal length to the owner's side, while the client's side is almost double. This permits several persons to be seated there. The desk butts against a radiator cover extending across this wall that contains a large two-door cabinet behind the desk. The procedure of using a dark ceiling and light floor was reversed in this office, the ceiling being pale green and the floor battle-green. The walls were papered in a tweed texture to give warmth. A more conservative drapery was used to cover the window wall and building abstractions. The wood is avocado throughout, and a deep rose plastic is used in the upholstery.

Photographs: Hedrick-Blessing
A transitional home for the early years
Lawrence Evanoff, architect
The steel house is not a new idea but one which is seldom used. It offers many new approaches and solutions which our architecture seems to warrant, especially in the small house.

In order to reduce the cost, standard steel sections, decking and sash have been used as in factories and gasoline stations. Extremely interesting results are often achieved by this method of construction, and in this case 4x4 "H" columns supporting a lightweight steel roof of open Webb joist and steel decking are used in order to substitute the sometimes immobile bearing walls, and also to permit clear, open spans. The exterior walls are composed of two layers of
steel decking with rockwool insulation between. Interior partitions are solid plaster. In the event more storage space or a small workshop is needed, an additional room can be built quite easily at the rear of the overhang and still provide space for an automobile.

The site is a half acre in an old wash in La Canada with an unobstructed view overlooking Pasadena. Little grading will be required, as the lower level on which the house overhangs is an old road and can be used almost in its present condition. An abundant supply of rock is available in this area and will be used for the large wall shown.
What is a painting? Like a word it is a bridge men build to reach each other. And yet it is more than this, more than a mere vehicle of communication. Its function is only a half truth and in stopping with it we fail to let our understanding reach the fundamental need in the service of which painting is merely an instrument. Without consciousnes of this need we lose direction, and critical judgment becomes merely a matter of a choice between one mode and another. On the other hand, if we can clearly identify the thing we seek we may find that our historic reliance upon interpretable subject matter may be the mysterious barrier between the people of today and their art. It is certain that we cannot grasp the meaning of the contemporary struggle in painting without awareness of the need in us that it strives to satisfy. Without this understanding, all painting stemming from cubism must be looked upon as mere visual diversion which fails its historic purpose because it is not pictorially communicative.

Basically, painting is only one expression of the critical need of men to provide their lives with vivid and heart-lifting evidence of the mutuality of their separate existences. The absence of symbols of inner mutuality in contemporary life is not, as in other days, a source of mere disenchantment. The romantic overtones which once surrounded philosophical withdrawal and solitude are gone. The poetic protest becomes either a political polemic or a cry of torture. The human spirit caught between the tyranny of cold order and resignation to self destruction can only seek survival in new patterns of human mutuality. This search has been going on in painting since the first cubist and expressionist experiments at the start of the century. The failure of descriptive painting to reach the heart of contemporary life, without a doubt, lies in the fact that it has lacked the means and the will to enter this arena. Recognition of pictorial subject matter is not enough. The image of a man in a painting does not become a symbol of inner mutuality merely by reason of the uniformity of the act of visual identification. This would be to say that familiarity with what a man does, how he appears to others as he moves through life is to know him, and that the individual can somehow survive his isolation merely by sharing a familiar and acceptable exterior pattern with his fellow men. This describes the world of hypocritical and incomplete familiarity upon which this heartsick society frustrates itself. The uneasy and artificial mutuality of the convention hall is echoed in the painting that relies on the uniform reception of recognizable external events. How deeply does such a painting touch the problem? Is the struggle of the individual with the antagonisms between individual fulfillment and social integrity the only problem solved by mutual participation in a mutually acceptable external order? Does this not imply that social integration on an objective level will automatically bring about spiritual health in the individual? Is this the view that dominated the Thomas Benton type of art which tries to persuade us that if we observe the side of a barn long enough we will never feel the need to concern ourselves with the larger issue of art?

If we are ready to look into ourselves and admit the truth of our socio-individual needs and observe how our lives are incessantly motivated by them, we will see in the work of individual comfort derived from the meaningful form is less than we thought it was. For if we do not experience in a painting a duplication of man's struggle to build himself into a totality larger than he, not through self destruction but through self enrichment, if we do not experience the painting as a living act embodying this aspiration, then all the wondrous symbol meanings of shapes and forms and images will leave us ultimately with our own voices, our own voices with our threats. . . . But I, to myself, to my throat, what am I? A kind of absolute, the affirmation of an idiot, an intensify greater than that of all the rest. To others, I am what I have done."

These are the words of anguished protest against the inability of men to build into the pattern of outer mutual ant symbol that defines the inner life of the individual actually lives imprisoned. Here one individual, motivated from within is destroyed by the external structure which separates itself from and even denounces the spiritual and individual need that created it. Here is the essence of the failure of the painting that derives its meaning primarily from form references to outer appearances. Here lies the sense of the painting whose total visual impact embodies the will to overcome this destructive paradox where structure and order are powerful enough to paralyze the subjective aspiration as well as house its symbols.

There are perhaps only a handful of paintings that come anywhere near this almost impossible synthesis. But no painter today who is of his times is unaware of the problem. The pendulum of modern painting swings through the center of it and the painter leaves his mark somewhere far or near to the right or left of it. Pure, structural abstraction states the problem by militantly rejecting half of it, although Mondrian brought his rigid structural idiom an echo of the inner voice in his last works. Paul Klee was always around the center of this synthesis while the surrealism and surrealism strove toward it on a heroic scale. The paintings of the late Arshille Gorky crystallize the swing of the pendulum in the other direction. Gorky, structural technician that he was in his early work, turned to automatic subjectivism realizing apparently that the formal order can contain or even be fused with a process of growth, and that if there is to be structure it must be of the essence of the creative effort and not a discipline imposed upon it.

To those who fully sense the implications of man's fate in the world today, there can be no doubt that twentieth century painting as much as any epoch in history has been of its times. For the most part critical writings which have established popular attitudes have been based on subjectivist analysis or, failing this, have created a sanctified domain where all who enter must lose the world beyond. This has resulted in the almost comic dilemma of the public in finally accepting the word of authority without sensing the dynamic identity between the word and our own lives. The wilderness of words and articles and books on painting since cubism seems to have only helped to destroy the possibility of recognition in the process of establishing or refuting artistic authenticity. To many painters today the general cylical acceptance of their work more disheartening than rewarding for it confirms the fact that the forty years effort since cubism has failed in its human mission.

Should the artists blame themselves, as many critics insist? Would their paintings fail under any conditions to invoke that sense of mutuality which is at the heart of the painters' effort? Subject matter critics have blamed the absence of familiar imagery, while apologists and enthusiasts have sublimated purely aesthetic aspects when they have not lifted the whole matter into the realm of the magic and mystical.

It is possible that through the centuries of Western experience people have unconsciously found their greatest satisfaction, not in the legends and events and objects described, but from the sense that here as nowhere in life have islands of isolation found unity and total significance. Subject matter obscures but does not necessarily destroy painting's power of instantaneously total projection, a power not possible in any of the other arts. Twentieth century painting has used this power to an extent never before attempted, where compositionality unity is not merely a coordinated relationship of independent parts but where the imagery of separate parts unite to create a total and symbolic image of the whole. Cubism had to break up the clear cut identity of the parts before the image of unity could be sensed. Mondrian destroyed all but the last trace of the part in order to find a visual totality where no part would disturb the exclusive reception of the whole. It does not take much reflection to see that these problems were not concocted in the painter's ivory tower but that they (continued on page 48)
CASE STUDY HOUSE FOR 1949

The site chosen for Case Study House 1949 faces almost directly on the ocean. The house will be placed behind a row of full grown eucalyptus trees, and against a hill from which a platform of approximately 200 feet long has been cleared. The acre of ground has thus been left free to return to meadow with the views from the house reaching across it to the ocean beyond.

Although the clutter of a semi-suburban area exists at the foot of a 90 foot cliff, nothing is seen but the wide expanse of the sea framed by a luxurious stand of trees. The house, while a part of the land, will be somewhat removed from it or confined within it. A planted mound on the only adjacent property line will give the whole setting a sense of complete privacy and quiet.

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e—approach to the building site by way of private road

f—view from house to sea over meadow and through trees

b—the created shelf behind trees with concrete wall forms

a—the hill background before grading with trees in foreground
YROLPH SKLAREK
architect

This house, now under construction, is located on the east side of a dead-end street. It is planned for the use of a family consisting of three, the planning being obviously influenced by additions to come. The principle factor influencing the lay-out was a desire for informal living and entertaining with plenty of space for children's play under supervision.

The main portion of the building is set back rather far from the street, creating a fenced-in play yard under supervision from the kitchen and directly accessible from the children's rooms. This was preferred to the more usual arrangement of having an outside "play pen" near the kitchen to which the children would have to be transferred.

The breakfast nook in the kitchen and the outside door in the second bath room allow children to enter the house for food and clean-up without having to tramp through the rest of the rooms.

The kitchen, really the center of the house, further controls the front door and the access to the house, and serves through an open counter into the dining area as well as to the outdoor eating space on the covered terrace.

The driveway is continued in cement paving under the flat roof overhang of the car port and leads under shelter past the service door for deliveries and through the front patios to the front door. This central walk continues through the house into the covered terrace and into the garden.

The large glass areas of the dining and living rooms face the covered terrace and will be left free of screens. The whole area of living room, study corner, entry, dining room and kitchen with service area are separated only by closets, cabinets, and partitions serving as baffles and by varying ceiling heights. The use of interior doors is restricted to the bedroom area only. With the sliding door, leading to the skylighted hall, closed, the sleeping wing is assured of quiet and privacy.

Sash throughout the house will be sliding aluminum from sill or floor to ceiling without visible headers. Outside walls and some interior surfaces will be 1" x 4" vertical "V"-groove redwood siding, and roof overhangs and some interior ceilings will be striated redwood. Open rafters in covered terrace and front patio are continued through the dining room below a raised ceiling of acoustic plaster. Except for kitchen and bath rooms, which are to receive asphalt tile, all rooms have floors of colored cement directly on grade, with hot water radiant heating in the floor slab.
Chippewa Manufacturing Division, Republic Steel Corporation: Kitchen cabinets in CSHouse 1949 will be of steel, manufactured by Berger. These cabinets, which are well designed, control in units which permit varied combinations to provide planned work centers. Steel throughout, except the tops, of course, Berger cabinets are noted for the silent operation of their drawers and doors.

Trusco Steel Company, subsidiary of the Republic Steel Corporation: All coxenings in CSHouse 1949 will be standard case ment windows manufactured by Trusco. They were chosen because of good conduction, ease of installation and operation, and good design.

Rocklite Products: Part of the walls of CSHouse 1949 will be built of Rocklite lightweight concrete masonry building units, manufactured from shale by a calcining process which results in expanded, individually sealed, rounded products. Rocklite is exceptionally resilient and light that they float in water. Rocklite aggregate is a highly insulative material. The Rocklite units will allow for wide choice of design possibilities.

Great Pulley & Hardware Company—All sliding door hardware for CSHouse 1949 has been chosen from the standard items by Grant; Grant drapery hardware and draper slides also will be used in CSHouse 1949.

Square D Company—Square D remote control low voltage relay system will be used in CSHouse 1949, instead of conventional light switching, for greater convenience, safety and comfort. Remote control relays will be installed in knock-out switch boxes. The relays are controlled from several conveniently located switches operating on a single line. Only the circuit wiring will be 120 volts.

By States Plywood Corporation—All of the considerable quantity of hardwood plywood which will be used in CSHouse 1949 will be chosen from the stocks of the United States Plywood Corporation, the largest distributor of hardwood plywood. Exact selections are now being made and will be announced in a later issue of ARTS & ARCHITECTURE.

Byrne & Company, Inc.—CSHouse 1949 will be equipped with Bla-Fan electric ceiling ventilators, manufactured by Byrne Company, and especially designed for contemporary architecture. One Bla-Fan will be built in directly over the kitchen range, and another will be used in a special dark room. Bla-Fan was chosen after a search of the field.

Connect Electric Development Company—Steps, patios, walks, driveways and entries. CSHouse 1949 will be lighted by Cannon Pathfinder Lights. Pathfinder lights, a low-angle type, are installed by means of an open-spoke drive into the ground, then hooked up in parallel. They can be controlled from any number of switches; they have been used in all of the earlier CSHouses.

Chippewa Manufacturing Division, Republic Steel Corporation: Kitchen cabinets in CSHouse 1949 will be of steel, manufactured by Berger. These cabinets, which are well designed, control in units which permit varied combinations to provide planned work centers. Steel throughout, except the tops, of course, Berger cabinets are noted for the silent operation of their drawers and doors.

Trusco Steel Company, subsidiary of the Republic Steel Corporation: All coxenings in CSHouse 1949 will be standard case ment windows manufactured by Trusco. They were chosen because of good conduction, ease of installation and operation, and good design.

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sizzle-roasting broiler; triple-click top burner controls; divided top with grid, hardwood, design ed; merit specified CSHouse Number 1.

BOOks
(402) Zeilin & Verbrughe: Catalog books on architecture, art; imported, domestic, new, out-of-print.

Cabinets, Counter TopS
● (465) Berger Manufacturing Division, MCI Corporation: Fold- ers, brochures steel kitchen cabinets; merit specified for CSHouses Numbers 5, 6, 7, 8, 9; efficiently designed; drawer glides on ball bearings; removable adjustable shelves; insulated against metallic sound: louvered finish, two coats of enamel.

(119) Formica Insulation Company: Folder Formica cabinet tops; colorful, spotproof, durable, sanitary; does not chip, crack, break; not injured by alcohol, fruit acids, ordinary alkaline washstands 275 degrees Fahrenheit, wide color range.

(490) Hotpoint, Inc.: Hotpoint kitchen and laundry installation manual; complete manual illustrated to show proper ways, Hotpoint cabinet, method of connecting Hotpoint appliances in a kitchen; particularly valuable to architec tects, builders.

● (481) Mutschler Brothers Company: Full details well designed Porcelain Ceramic Cabinets; specification, construction as steel cabinets with all advantages of wood; continuous counter sink top, rotating corner cabinet, recessed sink front; any color; complete; a remarkable good selling item.

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

Electrical Equipment
● (465) Canfield Electric Development Company: Folders, information Cannon Pathfinder Light designed to illuminate warehouse, gardens, steps, pathways, etc.; light below eyeline is thrown downward; well designed, engineered; practical.

(537) Fluorescent Fixtures of California: Literature new Allbrit of California "Luminator" designed for individual or continuous mounting; surface or drop; made for two, four, six, eight tubes; spotlight units for accent lightings; heavy gauge metal chassis, cast aluminum ends.

(528) General Electric Company: New 48-page catalog GE wires and cables; all C4E, braided, leaded, building wires and BX, entrance, Braid X, FVX cables listed; along with many other wire and cable products; information National Code requirements; NEC tables printed in full.

(533) Shaw & Loomis Ventilating Company: New "work book" on kitchen ventilation; complete treatise modern kitchen ventilation; remarkably well prepared, giving full data requirements of kitchen ventilation, venti lation in other rooms; features controls; on twist of plug; eliminates danger of shock, foodproof, durable, inexpensive.

(711) Manning Manufacturing Company: Sa-F-T-Plug wall receptacles; plugs with built-in safety; wall receptacle; this prevents electrical contact on twist of plug; eliminates danger of shock, waterproof, 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.

(572) S & M Lamp Company, Inc.: "Rosedale Cap" Floodlight: One night use plug: uses in as toaster; weather proofed, corrosion resistant aluminum; light when and where you want it for safety, protection and decoration; very good product; excellent selection of styles and models.

(497) Westinghouse Electrical Corporation: New 12-page booklet: new wall and kitchen layouts; plans for both L-shaped and 2-story feature rooms; includes budget plans; meet recommended counter surface requirements; gives specifications, dimensions for refrigerators, sinks, range, water heaters, cabinets, other equipment; valuable data.

(697) The Wiremold Company: Brochure illustrating installation many uses for Pluggmaid, wired raceway with plug receptacles on 6" or 8" centers, not nearly over ordinary baseboard ample power supply when and where you want it.

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

● (301) Bronswich & Flis: Information one of best sources of contemporary fabrics; wide variety of textures, colors, designs; worth appraisal; (303) Cheney Brothers: Contemporary fabric; new emphasis on modern textiles, fabrics.

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

(667) Goodall Fabric, Inc.: Folders. Goodall wrinkled-resistant bedspreads in wide range textures, designed, color styled by Dorothy Liebes; cotton, cop per mohair, are not bulky, color fast, pre-shrunk, custom hemmed; standard 72x206 and 86x106 inches sizes; special widths to 92 inches.

● (466) Greff 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 textiles available Beverly Hills, San Francisco, Chicago, New York; interesting weaves, colors; worth investigating.

● (207) Lumite Division, Chicago Manufacturing Corporation: Brochure, 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".

(365) Pantonico Corporation: Free literature, information Pantonico coated upholstery fabric; virgin vinyl; wide range colors; new product worth investigating.

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

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

Floor Coverings
● (435) Bigelow-Sanford Carpet Company, Inc.: Information Lok-weave Groov- point carpet; tufts are locked in, cannot pull out; sewn seams, damaged areas easily replaced with leftover pieces.

(309) Klearflex Line Lookouts: Cater- eed, brochures probably best known line contemporary rugs; exceptionally beautiful, large sizes, fabrics, texture.

(454) Oregon Flax Textiles, Inc.: Descriptive brochure Flax-tex all-line rugs; unique texture from "twist-the- flax-fine flax; long wearing; seven warm colors, no patterns.

(388) Paralleline Companies: Pleasant color brochure "Pachos Floors the Modern Home" suggests treatments for floors of all rooms in house; practically suggests colors, patterns.

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

(310) Shelly'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 Dushey's idea book; emphasis, explanation, colors, textures, patterns one of most widely known lines; many good plain colors; definitely worth study, file space.

Furniture
● (412) Alato Designs: Information one of oldest lines contemporary furni ture; made in Sweden; available several West Coast; Eastern outlets.

(311) Bakker Brothers: Information Multi-Unit Pacitic Modern Industry; built-to-unit measure, fits any floor plans; budget priced; definitely worth investigation; good approach to contemporary furnishings.

(559) Barrows Associates: New illuminated catalog of one of America's most revolutionary chains, the Barrows; winner of three design awards in 1947- 48; merit specified for CSHouse Program; worth investigation.

(568) Cabanis of Denver: Information source of good contemporary furni ture in five Rocky Mountain states, including Aalto, Eames, Van Keppel- Green also lighting fixtures by Veren, cabinets 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 in a flip of the wrist to a four-inch higher level; ideal for mobile homes; chrome hardware; usage; test-proven upholstery, sharp edges.

(645) Claybwood Design Products: Brochure line inexpensive modern furni ture for home, offices, stores, clubs, institutions; tables, chairs, desks, woods finished in hard clear lacquer or solid colors; designs by Clayton Lewis; direct manufacturer; immediate de levery.

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

(512) 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 contemporary William Armeh- bruster 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.

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ARTS & ARCHITECTURE

(333) 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.

(334) Frank Brothers: Information top retail source best lines contemporary furniture; design, Charles Eames, Alvar Aalto, Gilbert Rohde, Isamu Noguchi, 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: Folder contemporary cocktail tables designed by Griewold Rasso, AIA; plastic, cork or wood tops, 1/4" thick hardwood trim and legs; plastic tops satin black, dark green or Chinese red; various colors in trim; 16" high, 30" long, 26" wide or 14" high, 38" long, 38" wide; worth investigation.

(437) Knoll Associates, Inc.: Information on best lines authentic contemporary furniture; chairs, tables, stairs, benches, fabric upholstering; wood or metal chair frames.

(705) Leyton Furniture Company: Originals by Maximilian, complete line generators, living and bedroom furniture, something new, modern, sturdily built.

(316) Herman Miller Furniture Company: Information top lines contemporary furniture designed by Isamu Noguchi, 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.

(666) 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 Royalchrome, established line of distinctive metal furniture.

(644) Carroll Sagar & Associates: New source of contemporary furniture, fabrics, accessories, including Eames, Res- lon, Functional, Giron and Sebring pieces; lamps by Harbricher; specializes on work through architects, decorators: is worth investigating.

(460) Everett Sebring Furniture: Well presented 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-Kenal: Brochure well designed line contemporary California furniture; includes photographs, record cabinet, buffet, bookcases, tables, desks, chairs, night stand; one of best West Coast lines; price lists included.

(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.

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

HARDWARE AND FIXTURES

(589) Adams-Rite Manufacturing Company: Complete information well designed contemporary line hardware fixtures, doorknobs, features new Rite-Lock, adjustable to any door thickness from 1 3/8" to 1 5/8"; easily installed by nothing stile; five surface finishes available; merit specified in all current CS-Houses.

(393) American Cabinet Hardware Corporation: Folder, data sheets American 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.


(698) Latchinge Corporation: Information new self-fitting, self-aligning cupboards, etc., permitting hardware and labor savings up to $7.94 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 his side to recognize visitors but presents only a shiny mirror surface to those on the outside; modestly priced.

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

(325) Parlyn, Ltd.: Brochure remarkable new finger-tip push-pull con- trol for pantry, door lock and latch; light finger pressure opens or closes door; contemporary design; zinc alloy; no visible screws.
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(326) Son Manufacturing Company: Remarkably well prepared 24-page manual on Son Invisible Hinge; permits streamlining door by eliminating visibility of hinges; gives full details of construction use.

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

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

HEATING & AIR CONDITIONING

(572) Philip Carey Manufacturing Company: Brochure Careduct all severest air conduit for heating, ventilating, air conditioning; is both conduct and insulating; bushes fans noises, permits higher air velocity due to flush joints; easily installed, economical; worth study.

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

(530) Fraser & Johnston: Brochure new LeBoy shallow model furnace, dual or floor; 20% deep overall; dust models feature "bi-flow" register head, eliminating floor grilles; single rod control valve; streamlined heating element of pressed steel; gas fumes cannot escape into room.

(604) Minneapolis Honeywell: pamphlet discussing zone control for various types of heating systems, suggests various domestic applications of Minneapolis Honeywell control, musts recommendations for maximum safety and comfort.

(541) Montac 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 forced air wall heater; occupies floor area of only 29½"x19½"; 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.

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

(531) 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 fluff is complete without it; can't be recommended too strongly.

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

(531) 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. Thruh & Company: Well prepared and illustrated brochure Thruh forced circulating fluid 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.: Folded Trade-Wind small room ventilator that installs in the ceiling; easily cleaned blower, totally enclosed motor, quiet air inlet, partition keeps greezy air from motor; built-in conduit box, plug-in receptacle; includes hood of good design over stove when used in kitchen.

(649) Trane Company: Fifty-four page brochure "Merely a Matter of Air" featuring Unistrang 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.

INSULATION AND ROOFING

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

(573) Philip 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 refection, condensation and temperature calculation tests; discusses advantages of aluminum foil insulation; gives installation details.

(601) 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.

(802) 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.

(805) Pacific Lumber Company: Polycro wool insulation for increasing tem-
Modern electrical living with its many time saving appliances and sight saving lights puts an extra load on home or commercial wiring.

When you design wiring installations why not play safe by specifying Certified Adequate Wiring. You assure your client years of satisfaction, convenience and safety while helping protect the loan and resale value of his building. Be proud to be the man who did that wiring.

Your local utility engineers will be glad to assist without cost or obligation in the preparation of wiring layouts. Consult this Bureau for further information.

NORTHERN CALIFORNIA ELECTRICAL BUREAU
1355 MARKET STREET
SAN FRANCISCO 3

STYRENE; finished natural satin aluminum with "hi-baked" white enamel lowers; two or four lights in each fixture.

Globe Lighting Products, Inc.: Very complete 56-page catalogue completely incandescent, fluorescent fixtures for all uses; of particular interest are new decorour fixtures producing multicolored effect.

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.

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; merits specified for all current CSHouses.

Edwin F. Guth Company: New booklet emphasizing importance and value good lighting by pointing out effects of bad lighting; good four-color thumbail study.

Series folders, brochures Philete fluorescent lighting fixtures, incandescent reflectors for residential, commercial, industrial; includes interesting equipment for subtle spotlighting, flush lighting; production illustrated; provides full technical data, prices.

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

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.

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.

Presteel Company: Illustrated bulletin (AAZ) 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.

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

Supreme Lighting Company: Comprehensive 20-page catalog well designed line fluorescent fixtures; hanging, open and glass covered; recessed fixtures with egg crate lower or diffusing glass; industrial, reflector, window types; strip, circular; kitchen fixtures, vertical mirror lamps, bed lamps.

The Wirermold Company: Outlets for fluorescent lighting fixtures on wire raceways for continuous runs of
FIRE CAPTAIN’S HOME
100% ELECTRIC

When Captain and Mrs. Abell started to plan their new home, they wanted as many electrical appliances as they could afford—not only because of the safety of electricity, but because they wanted the labor-and-money-saving conveniences of modern electrical living.

After deciding on an electric range, water heater, garbage disposal unit, refrigerator, and automatic washing machine, they realized that the cleanliness of electricity would save them much cleaning and repainting in their kitchen and service porch. They wanted this cleanliness and safety all through the house. Then they made the final decision—then to go 100% electric.

It goes without saying—safety-conscious Captain Abell has Certified Adequate Wiring in his new home.

If you are interested in this modern way of living, but still have a budget to consider, phone our Adequate Wiring Specialists at Michigan 4211, Station 2637, or write Los Angeles City-Owned Department of Water and Power, 207 South Broadway, Los Angeles 12.

Electricity
SAFE • CLEAN • MODERN
Why even small homes need concealed telephone wiring

Home owners appreciate extra conveniences — in small homes as well as large. And that usually means built-in conduit and extra telephone outlets. They may be located in the bedroom, living room, kitchen—wherever the user will spend a lot of time...now and in the future.

Put built-in telephone facilities in your plans

The Pacific Telephone and Telegraph Company

piece, preformed to fit making it unnecessary to cut, shape; interlocking from toasting 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.

(668) W. A. Case & Son Manufacturing Company: Information regarding 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; unit specified for several CSHouses.

(477) Harvey Machine Company, Inc.: Brochure full information new line bath accessories in good contemporary design; clean, efficient, practical; used in CSHouse Number 3A.

(420) The Kwalwer Company: Fodder new shower doors, tub enclosures; doorknob full length piano hinges riveted on, rubber seal; enclosures sliding or swinging; both made of sheet steel; aluminum alloy; precision engineered.

(663) Los Angeles Water Softener Company: Brochures, folders Suds Master Water Softener; uses black, resins synthetic zeolite, producing better tasting water; both automatic and semi-automatic models; features Time-o-Matic clock-controlled hydraulic diagram which does regulating; 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.


(596) Tracy Manufacturing Company: Information new de luxe porcelain sink, cabinet unit; added to Tracy line of all-stainless steel sinks in lifetime stainless steel; 24” double drainboard sink top in white, acid resisting porcelain enamel with crumb cup, strainer, streamlined spray; under-sink cabinet.

(428) J. A. Zorn Manufacturing Company: Complete catalog, folders Zorn 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 allowing low frequency cone operates as still piston and not "break up" operating range; greatly increases acoustic efficiency; one of best lines speakers available; all sizes.

(702) Altec Lansing Corporation: Specifications new AM-FM Turner and Amplifier for home use, utilized tuned radio frequency circuit, said to be free 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; sharp, elegant record changer, automatic shut-off; push-button tuning; dark; blond or; worth investigating.

(518) Nielsen & Nelson: 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.

(351) Stromberg-Carlson Company: Brochure Futura Model (1321-ML-6) 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) K. W. Wood Lumber Co.: Full information several of best lines of slate, doors, includes Druwhit metal doors, windows, Super-Vent awning type windows, Harvey sliding door hardware; Win-Dor integral hardware for jalousies; Schnabler Fesco Board roof insulation, Grand Rapids Invisible balance, Westfalia wood preservatives, Treuxon residential steel windows, Timm aluminum windows, Rylock tension window screens, integral 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.

(712) Arcadia Metal Products: Side steel sliding 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.

(506) Casement Hardware Company: Bulletin well engineered Win-Dor integral hardware for jalousies of wood or glass; wood slats 4½” x ¾”, glass slats 4½” x 7/32” to ⅝”; can handle openings up to 4’ x 10’; worm gear operator; slots 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. Folders Alumixx puttyless glazing sky lights, single or double pitch; extruded aluminum roof glazing; makes layings possible; full technical, installation data; illustrated.

(254) Fir Door Institute: Catalog new Tri-Fit Douglas Fir Doors; all types, including flush; factory fitted, scuff stripped, precision made; full specifications, technical data.

(656) Glide Windows, Inc.: Attractive brochure new line of commercial use 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.

- Grant Palley & 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.

- Kirsch Company: New 22-page brochure "Smart Window Styling" illustrating 85 different window treatments; features Kirsch drapery hardware, venetian blinds.

- Redfield of California: Brochure Redfield's solid core flush veneer doors; waterproof construction; one of best lines of flush doors, worth investigation; brochure gives all technical, installation data.

- Rolscreebone 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.

- Rolscreebone Company: Specifications and drawings of casement details Pella Modular Sized casing units, specifications for architects.

- Rudiger-Lang Company: Information aluminum Tension-tite Screens for double hung windows, rust-proof, corrosion-resistant, easily installed and removed, fits tightly, requires no upkeep.

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

- Super-Vent Company: Brochure contemporary Super-Vent awning type window that is cleaned from inside; prevents draft-free ventilation; screens on inside as well as storm windows if needed; from 2' 10½" x 2' 10½".

- West Coast Screen Company: Brochure Hollywood Junior combination door, metal mesh door; provides ventilating screen door, mesh door, permanent outside door all in one.

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

- Banful Rock Company, Inc.: Information, facts for architects, builders on Basaltie light weight concrete masonry building units for residential, commercial industrial construction.

- 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.

- Colonial Shops: Information contemporary fireplace fittings; stock, custom; good workmanship, service; everything for fireplace.

- Crescent Industries, New all purpose heavy lighter, ideal to light all types of indoor and outdoor fireplaces.

- Hawk House: Folder, information Hawk Barbecue-Grill; one of oldest cooking devices given modern functional application; 24" and 30" models permitting cooking over indoors or out; amounts to portable fireplace combined with incidental cooking facilities; merit specified for all CSHouses.

- A. H. Heisey & Company: Fourteen-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.

- Libbey-Owens-Ford Glass Company: Full color brochure, 12 pages. Vitroplate glass facing; section high modern baths, kitschens; commercial applications well illustrated.

- Lumite Division, Chicken Manufacturing Corporation: Samples, brochures Lumite plastic insect screen cloth; remarkable improvement in screen cloths; no wear, can't budge, no paint, easy to clean; comes in colors.

- 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 CSHouses.

- Nu-Tone, Inc.: Attractive brochures probably best line contemporary door and door-closet chimes, exclusive merit specified in all CSHouses; single to eight note chimes self-contained or with brass tubes; worth investigating.

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

- National Mail Order Company Folder, information Polly-Matic automatic aluminum indoor-outdoor clothes dryer; aluminum lines revolve overhead for easy access; arm designed like aircraft ribbing for strength stiffness, requires practically no floor, ground space; merit specified for CSHouses 1, 3, 6 and 13.

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

- Rohlfe & Company: Folder Kemika 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.

- Southern Barbecue-Grill Company: "The Way to Perfect Barbecuing" tells how to barbeque chops, steaks, spare ribs, chicken, ribs, fish and other specialties; gives recipe for proven barbecue sauce; also illustrates Southern Barbecue-Grills; makes your mouth water.

- Tropicraft: Folder woven wood screens, 15½" slats, 6½" high by 7½" long; natural finish or colors; also 3½" slats and smaller overall dimensions; good for screens, shades, draw drapes, etc.; best contemporary treatment.

A merit specified Aldrich Burner Model 222A, 6" x 6" x 6"; Aldrich is being used to supply hot water for the radiant heating system in Case Study House No. 20.


A Subsidiary of the Breeze Corporations, Inc. COMPANY, 122 Williams St., Wyoming, Ill.
(581) United States Gypsum Company: Folder technical information 24* solid Rocklath and plaster partitions; stud/track, non-load-bearing 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
(600) Chase Brass & Copper Company: Catalog solder-joint and flared copper tube fittings and tools; shows how to make solder joints in copper pipe.

(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 accoutrements, concrete, insulating, masonry, plaster materials, paints, precast units, wallboards; good source of supply.

(721) Merilink Steel Safe Company: Hercules Furnace-tested 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 infiltration; 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’s High Early Strength Portland Cement; conforms to ASTM specifications C-190 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.

(500) Pittsburgh Corning Corporation: Brochure (30 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 shake; 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 slender- ness, curvature, taper; structural forms virtually limited only by integrity of designer; specification data.

(288) Walls-Bagenen, Inc.: Booklet (8 pages) Wall-Blo building blocks designed for 4" modular space; eminent producer of light weight aggregate; weight 40% less than concrete blocks; some or commercial use; full details.

(719) West Coast Lumbermen’s Association: A Director of West Coast retail outlets for Doug fir, West Coast Hemlock, Sitka Spruce and Western Red Cedar; lists additional reading material.

WALL COVERINGS
(666) Inset Croom, Inc.: Information on one of best lines of contemporary wallpapers done by silk screen process.

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

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

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

WHY DO I PAINT
continued from page 36
are part of the riddle of contemporary existence. We could ask of politicians as well as painters, “To what extent can we enrich the meaning of the whole without destroying the individual life of the part and to what extent can we enrich the meaning of the part without destroying the whole.” Admittedly, the struggle for this equilibrium is not new. What makes it overwhelming in this day is the fact that never before in history has the aspired-to totality been so vast and, by comparison, the parts so infinitesimal. There is terror in this descrepancy, the terror of social disintegration and individual dislocation. Modern painting from stem to stern is torn between the image of this terror and its antithesis, the image of order and unity.

If one sees these matters as the primary content of today’s paint- ing then even Malevich’s “White on White” takes on a signifi- cance that is awesome in its human implications compared, for example, to the story book paintings of even so modern a visual technician as Ben Shahn.

VELVATONE STUCCO PRODUCTS COMPANY
2066 Hyde Park Blvd. Los Angeles 44, California
For information, write— or call AXminster 7167
MUSIC continued from page 18
orately bowed or tongued unless the opposite was expressly indicated by slurs... According to Tartini the violin sonatas of Corelli must be played in détaché bowing, not legato as some modern violinists are given to believe. "There is no place in baroque music for the perpetual string vibrato that 'graces' modern violin playing... The vibrato was, like the crescendo, a special ornament, indicated by a symbol of its own and to be used with discretion only at the proper places." "The non-vibrato has in turn become a special ornament the composer must prescribe if he wishes it, as Bartok does in his Second Piano Concerto."

"The fingering throws some light on the important, if highly vexing, question of musical articulation... The customary legato style of the modern 'tradition' is, to put it mildly, a distortion. While it would be senseless to advocate a reinstatement of the old fingering for the sake of correct articulation, its musical effect should be carefully studied in order to reproduce it by modern fingering. The correct articulation must be regarded as the most essential aspect of performance because it is the decisive... means of phrasing. Its importance for polyphonic music cannot easily be overestimated since only by articulation can the contrapuntal texture be rendered with the proper transparency... It goes without saying that the motivic complexities of Bach's music admit more than one articulation each of which may be consistent with the fundamental rule... Inconsistent articulation, such as can be found in Czerny's edition of Bach's keyboard works, betrays a blatant lack of understanding for the Bach style."

I have quoted these statements at length because, while unsupported by illustrative detail such as can exist only in actual performing experience, they are fundamental to any intelligent appreciation of Baroque music. It is possible to play Baroque keyboard music like Schumann or Liszt, or worse, in the scholarly style as the notes actually look on the page, block and white, even, and continuous. Except the theme, its more obvious reentrants, and the crotchet climax, neither the listener nor the performer in such circumstances understands the articulation of a Bach fugue. In the same way it is possible to play the violin works of Tartini and Corelli like those of Brahms, but it is not wise.

On this vexing subject, concerning which even the specialist performers of Baroque music, including the harpsichordists, prefer to remain ignorant and deaf, Wesley Kuhnle, following the lead of Dolmetsch, has with infinite pains translated the surviving records of the tradition into a comprehensive practice. Whether played by him on the clavichord or, with far greater difficulty because of the heavily accented sonorities, on the piano, this music explains itself in style, in rhythm, in ornamentation, as one has never heard it before. My own experience of reading at sight keyboard music from every area of the Baroque has convinced me in practice that these rhythmic principles rediscovered by Mr. Kuhnle are in the main correct. What was before guessed at and approximate can now be plainly read and accurately rhythmized through the most complex counterpoint.

How long will it be before the general public may expect to hear the music of Frescobaldi, Sweelinck, Byrd, Couperin, the Scarlattis, Bach, Handel played in correct rhythm and transparency? A long frustrating time it may be, until the violinists and violists obtain proper bows and all the instrumentalists give up their false tradition. Meanwhile we can learn by application to do the essential things ourselves, and the richest of all periods of music for the sight-reading amateur will be opened to us. This music asks less to be performed than to be read. Many of the technical problems of advanced contem-

porary music are the result of a return to controlled rhythmic embellishment, written out as notation, without the support of an ornamental convention. The rediscovery of the Baroque period and an increase in the understanding of our own contemporary Twentieth Century music go hand in hand.
INDEX TO ADVERTISERS

FEBRUARY, 1949

Addison Gallery of American Art

Adams, May, Sept.

Aldrich Co.

Alphen, F. H.

Angelo Brothers Hardware Corp.

Antonow, Joseph

Arden Court

Artists' Materials

Art Supply

Avery, Robert

Avery, Robert

Avery, Robert

Baldwin, D. C.

Baldwin, D. C.

Baldwin, D. C.

Baldwin, D. C.

Baldwin, D. C.

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TYPE A-F BUILT-UP ROOF

Pioneer-Flintkote’s Seamless Type A-F Built-up Roof . . . to be applied on area shown on plans as flat composition roof. Application: 1 layer No. 8 Insulating Sheathing lapped 1” on sides and 2” on ends . . . 2 layers of Sta-Kool Base Sheets laid shingle style over insulating sheathing (with valleys reinforced with an extra layer) and mopped solid with asphalt. Roof is then coated with Sta-Kool Protective Coating—Sta-Kool Roof Seal and a coating of Sta-Kool Minerals while the Roof Seal is hot. Sta-Kool White Finish Coat is then applied to reflect the sun’s rays (Infra-red and Ultra-violet)—which are the worst enemies of composition roofing. The glistening Sta-Kool White Roof provides ideal protection for modern homes or industrial buildings.

TYPE A-C BUILT-UP ROOF

Apply 1 layer of No. 8 Insulating Sheathing to roof deck where plans indicate flat, composition roof . . . 1 layer of Sta-Kool Base Sheets mopped solid with asphalt, and while hot, embed sheets of 110 pound Sta-Kool Mineral Surfaced Roofing, providing a sturdy, extra-heavy base. Glimmering Sta-Kool White finish is then applied, creating a lasting white surface—the newest roof for modern exteriors . . . cooler interiors.

WEATHERPROOF . . . FOR ALL TYPES OF CONSTRUCTION

Specific roof requirements are covered by other Sta-Kool White Specifications . . . Consult the Pioneer-Flintkote Roof Engineering Department.
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just be sure it's a **RUG by KLEARFLAX**

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