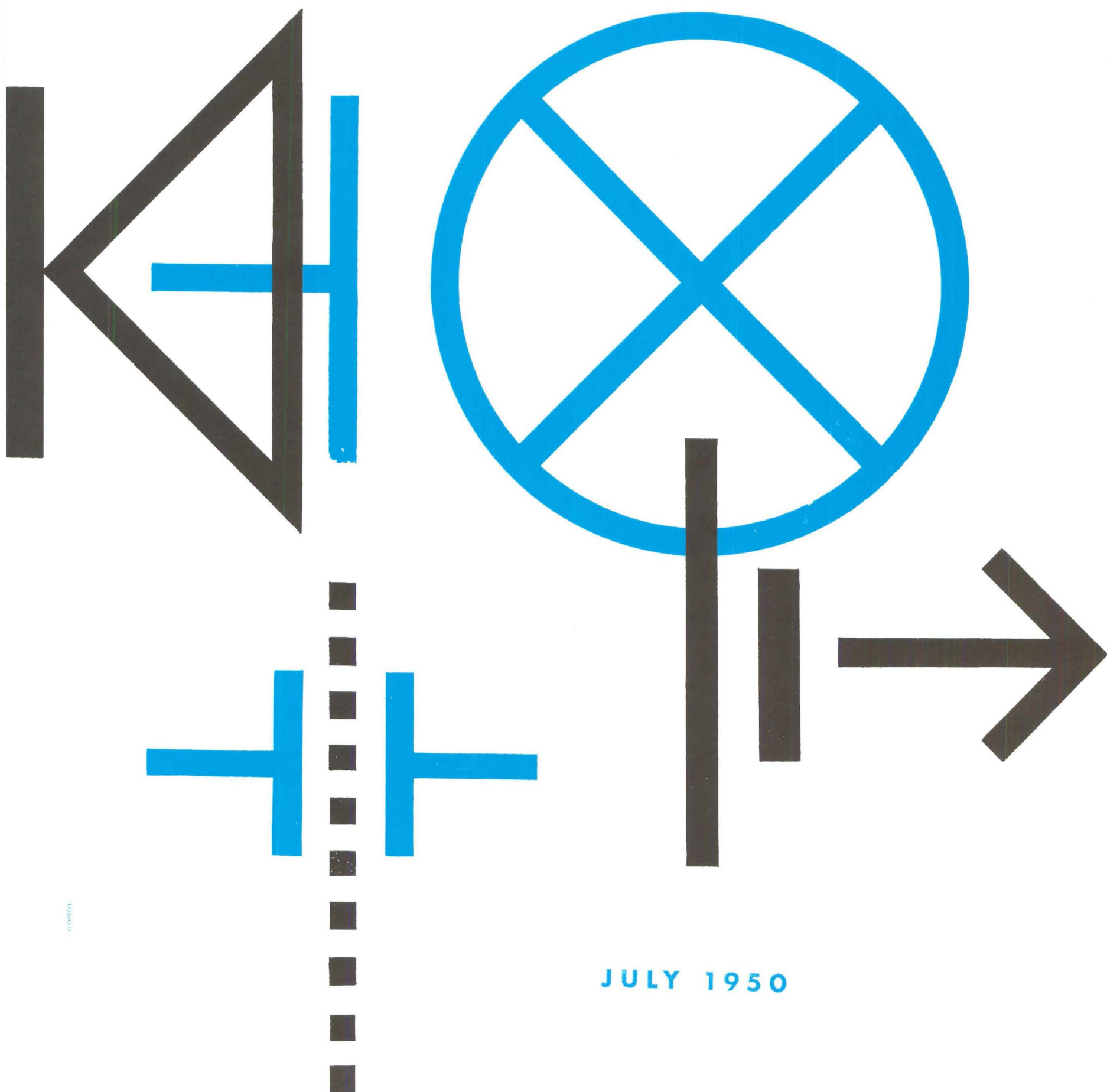
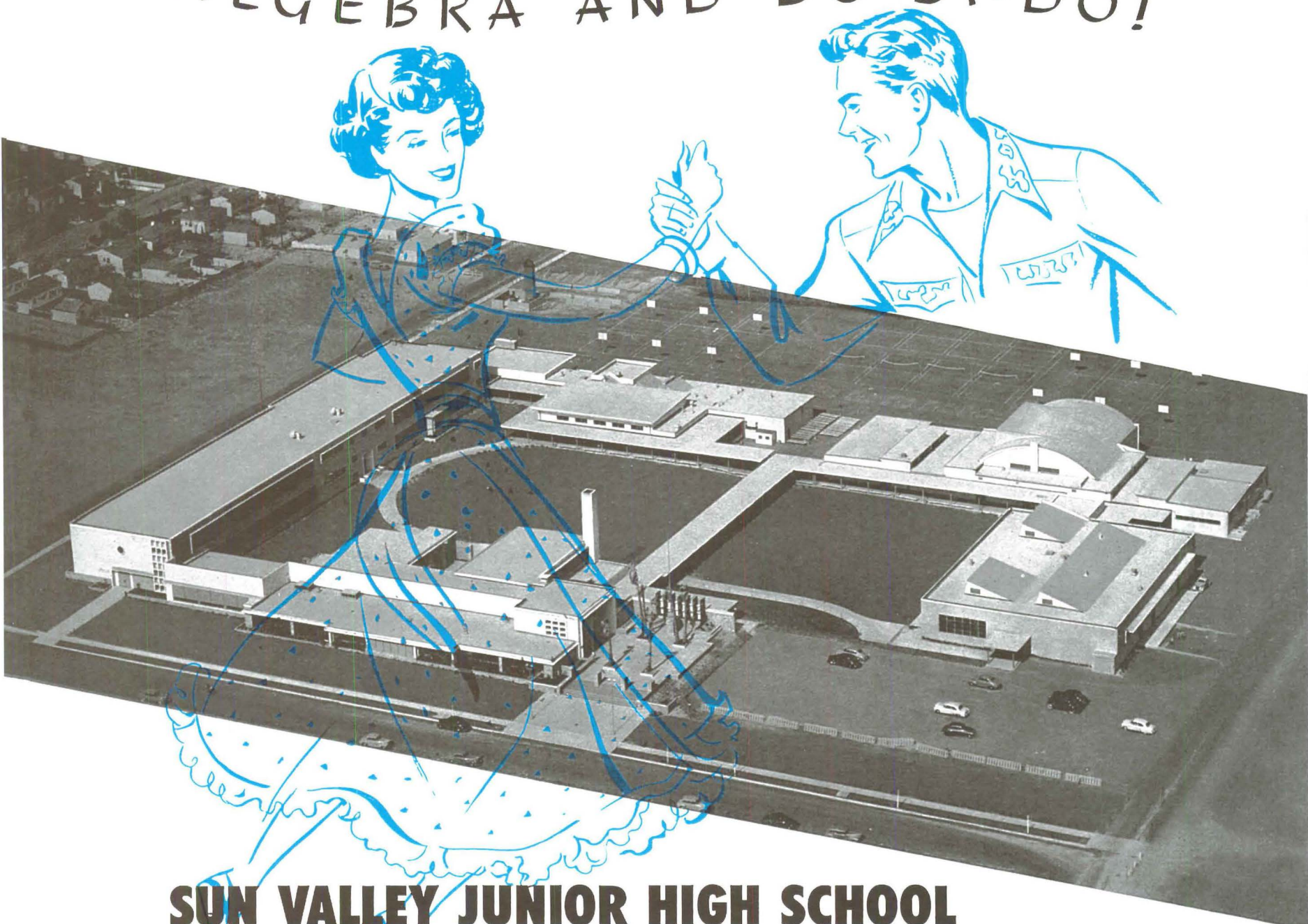


arts & architecture



JULY 1950

ALGEBRA AND DO-SI-DO!



SUN VALLEY JUNIOR HIGH SCHOOL PROTECTED WITH **P•F** BUILT-UP ROOF

Architects:
AUSTIN, FIELD, FRY, A.I.A.

Roofing Contractor:
ALTA ROOF COMPANY

General Contractor:
H. M. BARUCH

Square dances and get-together socials teach community pride to adults in the hours after the last equation has been recited in this new Sun Valley school! It's not just coincidence that the enclosed patio... the spacious floor area... and the protective qualities of the P-F Built-Up Roofs of the \$1,500,000 structure, invite extra-curricular attendance. Architects Austin, Field, Fry, A.I.A., planned it that way! The 165,000 square feet of roof here, utilizing P-F EMW foundation waterproofing system for below grade protection throughout, skillfully preserves the character of the building and provides builders and owners alike with maximum economy and long-lived service! There's proof in this photograph that... you, too, will do well to include *Pioneer Built-Up Assemblies*—in your next specifications!



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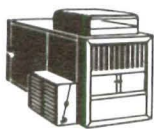
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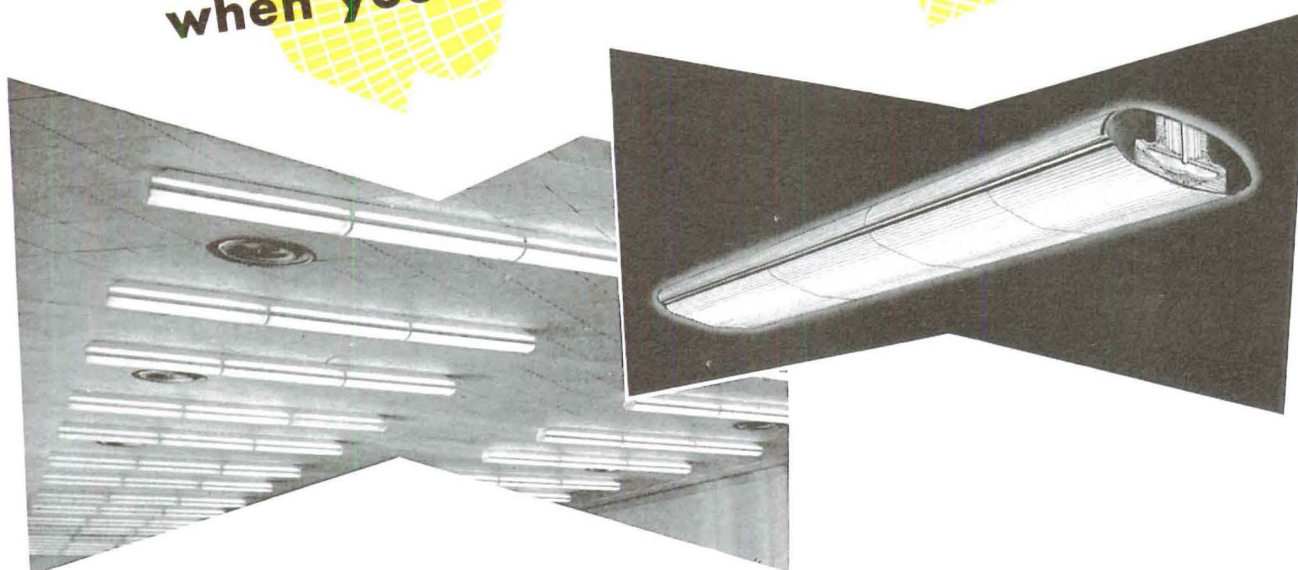
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Mfgs. of BFK lighting fixtures

Correction:

"Jewelry" published in the June 1950 issue of the magazine was wrongly attributed to a Mr. Howard and should have been credited instead to Mr. George A. Williams, whose work is gaining considerable prominence in the field. More of his pieces will be shown in an early issue. We of course apologize to Mr. Williams for this unhappy error.

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LANDSCAPING

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Evans & Reeves Nurseries

were chosen to landscape

the grounds of a

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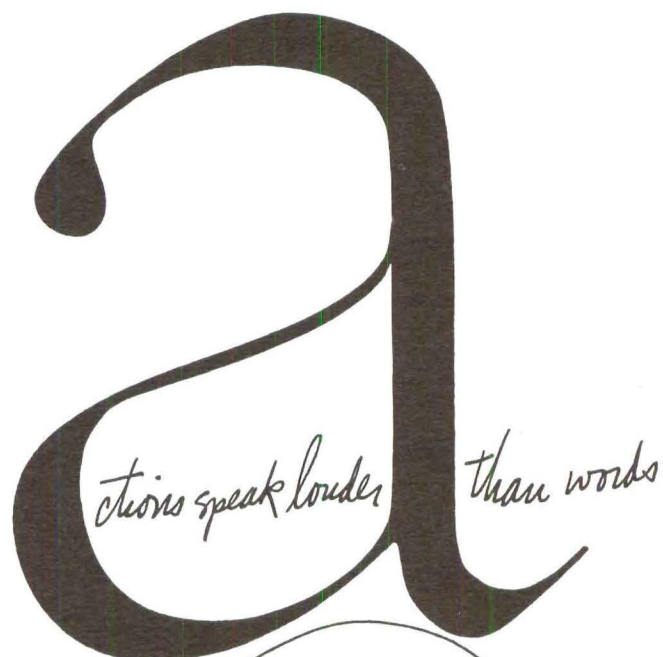
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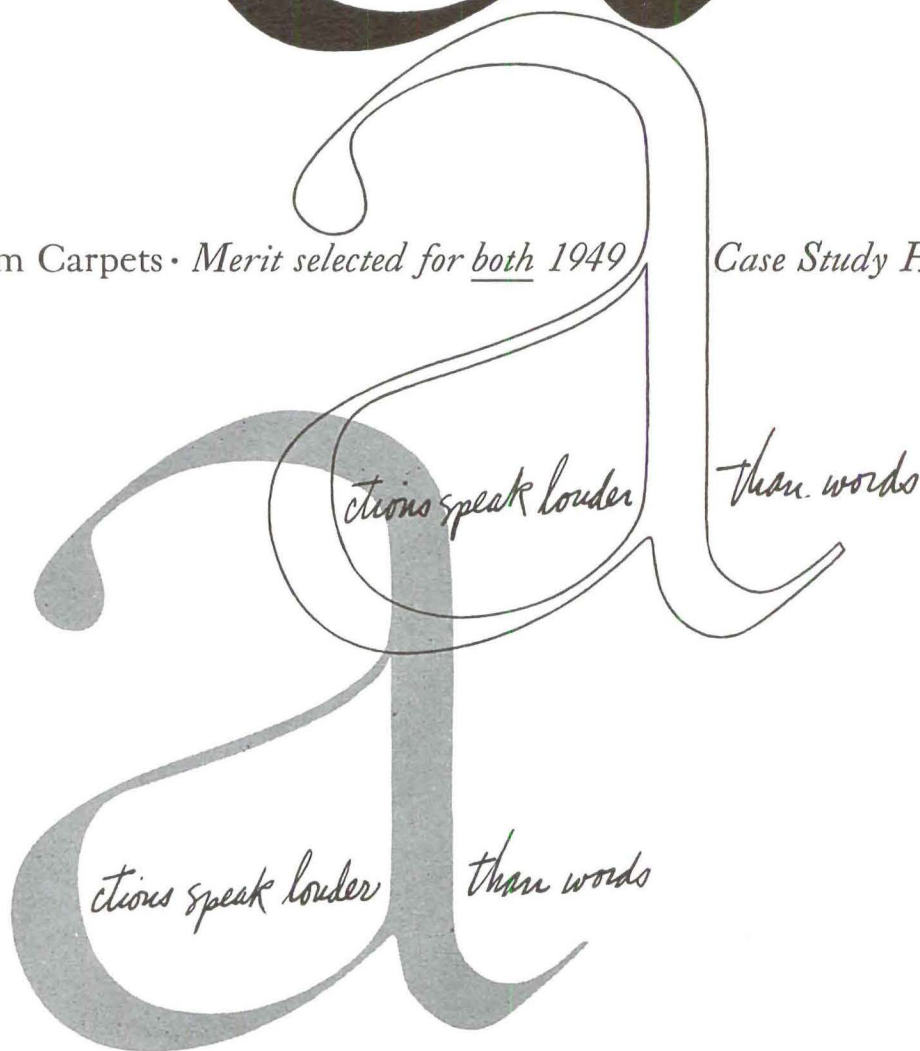
Case Study House by Eames and Saarinen, Architects

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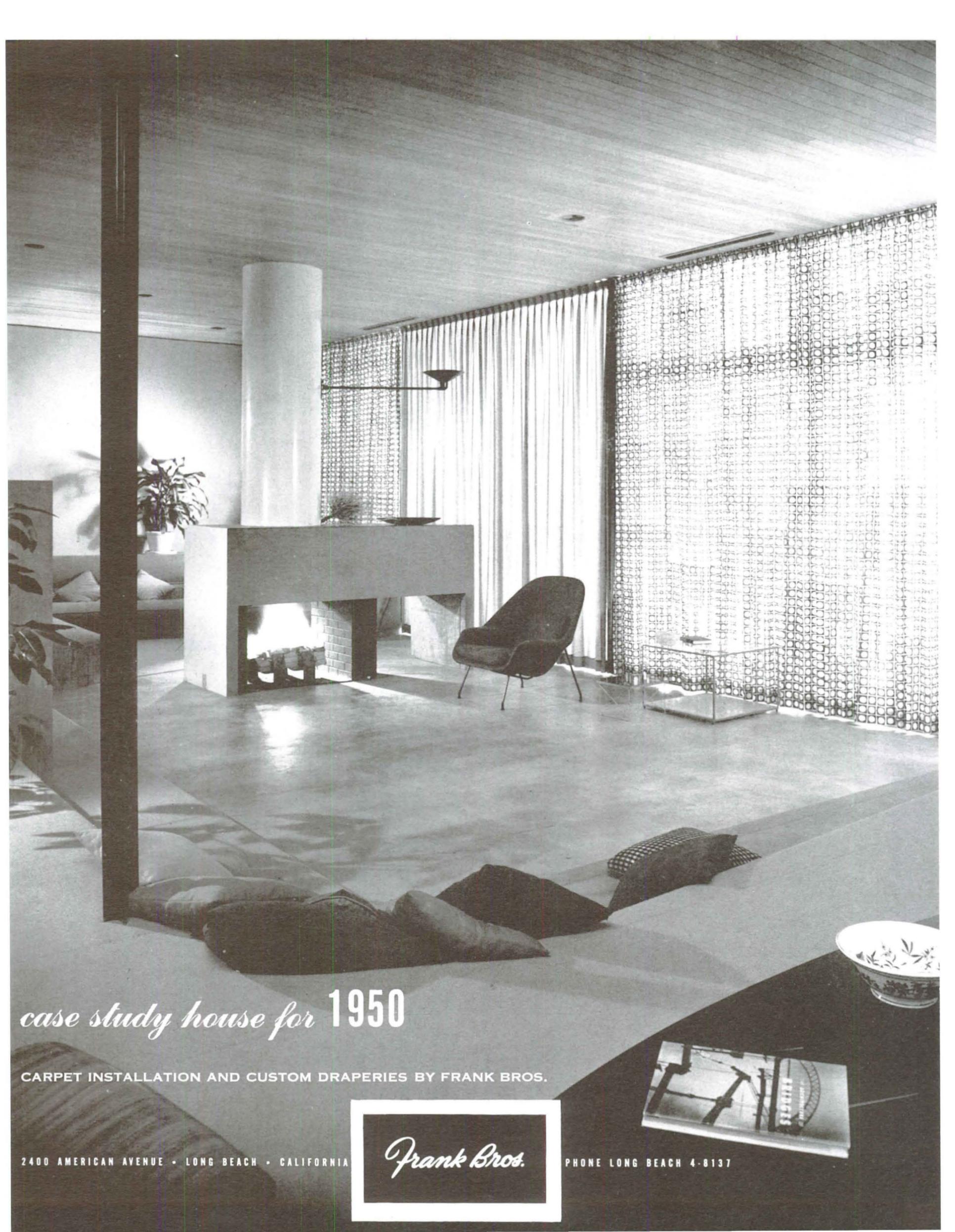


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CURRENTLY AVAILABLE PRODUCT LITERATURE AND INFORMATION

Editor's Note: This is a classified review of currently available manufacturers' literature and product information. To obtain a copy of any piece of literature or information regarding any product, list the number which precedes it on the coupon which appears below, giving your name, address, and occupation. Return the coupon to Arts & Architecture and your requests will be filled as rapidly as possible. Items preceded by a dot (•) indicate products which have been merit specified in the Case Study House Program.

APPLIANCES

(9a) Automatic Kitchen Ventilators: Folder Fasco automatic kitchen ventilators; keeps kitchens clean, cool, comfortable; expel steam, grease, cooking odors; outside wall, inside wall, "ceiling-wall" installations; completely automatic, easy to install, clean; Fasco Turbo-Radial impeller; well engineered, well designed.—Fasco Industries, Inc., Rochester 2, N. Y.

(29a) Automatic Sink: Brochure Thor Automatic Sink combining kitchen sink, clothes washer, dishwasher in one well designed, engineered unit; 60" wide, 36" high plus 4" backguard, 27" deep, 408 pounds; white acid-resistant porcelain enamel on 14 gauge enameled iron; Chrome plated mixing swing spout; sensible product.—Thor Corporation, 2115 South Fifty-fourth Avenue, Chicago 50, Ill.

(11a) Combination Refrigerator-Stove: Full General Chef combination stove-refrigerator and General refrigerators; combination includes four burner range, gas or electric, oven and refrigerator in 4.1 square feet; refrigerator has 4 cubic foot capacity; 39" high, 27½" wide, 23" deep including handle; good for small space, worth investigating.—General Air Conditioning Corporation, 4542 East Dunham Street, Los Angeles 23, Calif.

(10a) Kitchen Ventilating Fan: Information data Marco Filter Fan for houses, apartments; trap, eliminate greasy vapors, smoke, cooking odors; utilizes principles, equipment used in commercial, railroad dining car installations; life-time washable filter, efficient centrifugal blower; all-metal, removable filter unit cleaned in hot, soapy water; low cost, quiet, heavy duty self air-cooled motor; easily installed; good product, merits careful study.—Marvin Manufacturing Company, 3071 East Twelfth Street, Los Angeles 23, Calif.

• (28a) Stainless Steel Kitchen Tools: Information, literature Ace stainless steel kitchen tools; good modern design, high quality workmanship, excellently weighted; made of polished stainless steel with heat, stain-resistant ivory Catalin plastic handles drilled for convenient wall mounting; merit specified for CSHouse 1950.—Ace Products Company, 12 South Twelfth Street, Philadelphia 7, Pa.

ARCHITECTURAL PORCELAIN ENAMEL

(929) Architectural Porcelain Veneer: Brochure, well illustrated, detailed, on architectural porcelain veneer; glass-hard surface impervious to weather; permanent, color fast, easy to handle, install; lends well to all design shapes; inexpensive; probably best source of information on new, sound product.—Architectural Division, Porcelain Enamel Publicity Bureau, P. O. Box 186 East Pasadena Station, Pasadena 8, Calif.

BARBECUE EQUIPMENT

• (977) Electric Barbecue Spit: Folder Rotir electric barbecue spit with seven 28" stainless steel Kabob skewers which revolve simultaneously over charcoal fire; has drawer action so unit slides in and out for easy handling; heavy angle-iron, gear head motor, gears run in oil; other models available; full information barbecue equipment, including prints on how to build in kitchen or den; one of best sources information; merit specified CSHouse 1950.—The Rotir Company, 8668 Otis Street, South Gate, Calif.

CABINETS, COUNTER TOPS

• (904) Beautylux: Folder Beautylux valance lighting unit for use in kitchens; floods entire kitchen with reflected fluorescent light; brilliantly downlights work area; unifies cabinets, conceals curtain pocket; integral, synchronous electric clock; complete one-package unit; well designed.—Beautylux, 4202 Crestwood Road, Richmond 27, Va.

(30a) Formica Development: Information new Softglo solid color Formica laminated plastic panel; available in 14 colors covering all decorator tints based on consumer preference studies; samples available.—The Formica Company, 4633 Spring Grove Avenue, Cincinnati 32, Ohio.

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

• (921) Magnetic Latch: Folder ingenious magnetic cabinet latch using attraction of permanent horseshoe magnet to special steel plate; noiseless, simple, practical; particularly good in holding warped, sagging doors; this item is new and well worth investigation.—Laboratory Equipment Corporation, St. Joseph, Mich.

• (958) Plastic Drainboards, Counters: Information Formacove drainboards, counters; top and backsplash formed into continuous cover one-piece unit; uniform ¾" concave radius through patented heat, pressure; Formica, Far-lite, etc., bonded to ¾" plywood with solid wood filler strip in cove; outside radius, other decorative postformings on special request; good answer to difficult problem; merit specified CSHouse 1950.—Blue Ox Industries, Post Office Box 1064, Redwood City, Calif.

DECORATIVE ACCESSORIES

(959) Cypress Knees: Information decorative Cypress Knees from Florida Cypress swamps; come in either abstract natural shapes or made up as figurines, paperweights, background for flower arrangements, wall vases, table vases, lamps, bookends, natural

bowls, candle holders, and other items; waxed, polished; interesting, worth investigation.—Thomas Gaskins, Palm-dale, Fla.

DRAFTING SUPPLIES

(960) Duplicators: Literature on photo-copy duplicators; produces photo-exact copies of written, typed, printed, drawn, photographic material; simple operation, no technical skill, no dark room necessary; reasonably priced; good product meriting study.—General Photo Products Company, 15 Summit Avenue, Chatham, N. J.

ELECTRICAL EQUIPMENT

(402) Electric Planning: Brochure electricity in house plans; check lists, suggestions for all types of rooms, typical floor plans, wiring data available only in Northern California.—Northern California Electrical Bureau, 1355 Market Street, San Francisco, Calif.

• (827) Ventilating Fans: Folder and catalog NuTone ventilating fans; models for wall and ceiling installation.—NuTone, Inc., Madison and Red Bank Roads, Cincinnati 27, Ohio.

FABRICS

(955) Contemporary Fabrics: Information one of best lines contemporary fabrics, including hand prints and correlated solids for immediate delivery; Textura by Testa, consisting of small scale patterns creating textures rather than designs; reasonably priced; definitely deserves close appraisal.—Angelo Testa & Company, 49 East Ontario Street, Chicago 11, Ill.

(31a) Hand Printed Panel Draperies: Booklet new Barret Redi-Made hand printed panel draperies retailing from \$19 to \$40 for pair of panels 11 designs varying from unlined cotton ruff-text to sateen-lined failles, imported linen, antique satin; pinch pleated, 50" wide, 2¾ yards long, or longer; sensible, needed product, merits consideration.—Barret Fabrics, Inc., 1071 Avenue of the Americas, New York, N. Y.

• (987) Reed Fabric Drapes: Information Sun Reed fabric drapes, shades; imported from Southwest Germany, made from selected hearts of Black Forest fir; loomed from slender reeds 36" to 136" long into rolls of same width and up to 120" feet long with 11 reeds to the inch; reeds straight, uniform, without nodes or breaks; stitched solid in 1" or 2" widths at

top with recurring stitches ¾" across width of material; can be cut at any point without additional bindings; hangs in graceful fold; merit specified for CSHouse 1950.—Decorium, Inc., 420 Market Street, San Francisco, Calif.

(988) Silks: Information Scalandre silk fabrics; wide range patterns, designs, colors; one of best sources of information.—Scalandre Silks, Inc., 598 Madison Avenue, New York, N. Y.

FLOOR COVERINGS

(803) Carpets, Textiles: Information complete line contemporary, traditional floor coverings; wide variety colors, patterns.—D. & W. Frazier, Inc., 2020 West Eighth, (in Southern California only).

(989) Custom Rugs: Illustrated brochure custom-made one-of-a-kind rugs and carpets; hand-made to special order to match wallpaper, draperies, upholstery, accessories; seamless carpets in any width, length, texture, pattern, color; inexpensive, fast service; good service, well worth investigation.—Rugcrafters, Inc., 143 Madison Avenue, New York 16, N. Y.

(12a) On-Grade Sealer: Information Stafco On-Grade Sealer concrete slab treatment; permits safe application of rubber, cork, linoleum tile or rubber-backed carpet on on-grade concrete; seals out moisture, alkali; finished floors will not come loose or buckle; useful product, well worth investigating.—Standard Floor Company, 141 Gulf Building, Pittsburgh 19, Pa.

• (961) Rug Cushion: Leaflet on Spon-gex sponge rubber rug cushion; greatly increases carpet life, provides luxurious comfort underfoot, creates no dust or lint, easily vacuumed or damp-wiped, has no dirt catching crevices, moth and vermin-proof, never mats down, made of natural rubber, long lasting.—The Sponge Rubber Products Company, 335 Derby Place, Shelton, Conn.

• (309) Rugs: Catalog, brochures probably best known line contemporary rugs, carpets; wide range colors, fabrics, patterns; features plain colors.—Klearflax Linen Looms, Inc., Sixty-third Street at Grand Avenue, Duluth, Minn.

(13a) Vinyl Carpeting: Information Vinatred Vinyl Carpeting with embossed surface, fabric backed; 9 deco-

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rator colors and smart designs; non-porous, cleanable, sanitary, wear resistance, skid-resistance, resilience; particularly good for store use; highly recommended.—Southbridge Plastics, Inc., 470 Fourth Avenue, New York 16, N. Y. A, D, ID, B.

• (990) Vinyl-Cork Tile: Brochure with color chart on Dodge Vinyl-Cork Tile; combines advantages of cork with toughness of vinyl surface; bright, permanent colors, including several remarkably good plain colors; resilient, quiet, safe to walk on, long wearing; good insulating, sound deadening qualities; resistant to fire; requires no waxing; cleans with soap and water; inks, grease, acid, mild alkalis do not mar; merit specified for CSHouse 1950.—Dodge Cork Company, Inc., Lancaster, Pa.

FURNITURE

• (923) Contemporary Furniture: Brochure, folders remarkably well designed line commercial contemporary furniture; features strong construction; clean, simple lines; selected pieces merit specified for CSHouse 1950.—Sterling Furniture, Inc., 1611 West Cortland Street, Chicago 22, Illinois.

• (804) Contemporary Furniture: Catalog for the trade on contemporary furniture for residential, commercial use.—J. G. Furniture Company, Inc., 102 Kane Street, Brooklyn 2, New York.

(949) Contemporary Tables: Information contemporary tables designed by Joseph Carreiro; won honorable mention 1949 Furniture Design Competition of AID; clean, well fabricated, worth close investigation.—Pine & Baker, 28 Otis Street, Cambridge 41, Mass.

(975) Furniture in Kit Form: Information well designed contemporary string, tape chairs in unfinished knocked-down kits ready for assembly; also tables; available by mail order at very reasonable prices; well worth investigation.—Calfab Furniture Company, Post Office Box 215, San Gabriel, Calif.

562) Furniture, Retail: Information good source best lines contemporary furniture; designs by Eames, Saarinen, Martine, others; full interior design service; also fabrics, accessories.—Armin Richter, 7661 Girard Avenue, La Jolla, Calif.

(584) Furniture, Retail: Information good source contemporary furniture, retail and trade; designs by Rison, Functional, Eames, Knoll, Nelson, Sebring, Glenn, Dunbar; also Versen, Nessen lamps; specializes on service to architects, decorators.—Carroll Sagar & Associates, 7418 Beverly Boulevard, Los Angeles 36, Calif.

(14a) Kingsize Beds: Folder "How to Buy a Bed" featuring custom kingsize beds; mattresses, box springs Hollywood beds; innerspring construction; any width, length, shape; old established manufacturer.—Hollywood Bedding Manufacturing Company, 8418 Santa Monica Boulevard, Los Angeles, Calif.

(6a) Modern Office Furniture: Information one of West's most complete lines office, reception room furniture; modern desks, chairs, tables, divans, matching accessories in woods, metals; wide range competitive prices on com-

mercial, custom pieces; professional, trade discounts.—United Desk Company, Twelfth and Olive Streets, Los Angeles, Calif.

(991) Painted Aluminum Furniture: Information painted aluminum furniture featuring interchangeable combinations made up of upholstered chairs, ottomans, sofas, corner and end tables; fitted to conform to architecture of any room; diagrams illustrating flexibility available.—The D. R. Bradley Company, 22 East Forty-ninth Street, New York 17, N. Y.

• (962) Prize-Winning Contemporary: Full information case goods designed by Robin Day and Clive Latimer which won first prize in the Museum of Modern Art International Competition for Low-Cost Furniture Design; standard adaptation by Edmond J. Spence, Inc.; fresh, clean, well engineered; merit specified for CSHouse 1950.—Johnson-Carper Furniture Company, Inc., Roanoke 6, Va.

(15a) Swedish Modern: Information clean, well designed line of Swedish modern furniture; one of best sources.—Swedish Modern, Inc., 675 Fifth Avenue, New York 22, N. Y.

(992) Wrought Iron Furniture: Complete color catalog showing settings Woodard Upholstered wrought iron furniture; clean designs, well made; chairs, tables, lounges; Parkerized to prevent rust; one of best lines, well worth consideration; wholesale showroom open to trade, corner Beverly and Robertson Boulevards, Los Angeles.—Lee L. Woodard Sons, Owosso, Mich.

GARAGE VENTILATION

(993) Garage Ventilation Equipment: Literature, full information National Garage ventilation equipment; four types of systems, completely packaged for installation; approved by health departments, insurance companies, building codes; product of world's largest manufacturers, one of best sources of information; belongs in all files.—National System of Garage Ventilation, 318 North Church Street, Decatur, Ill.

HARDWARE

• (16a) Contemporary Locksets: Full color contemporary Kwikset pin-tumbler, cylindrical locksets; clean design, simple operation, precision engineered, rugged construction; unique cam action locking device provides positive knob locking; half-round spindle reduces number working parts; hand-finished in satin, polished chrome, brass, satin bronze; merit specified for CSHouse 1950.—Kwikset Locks, Inc., Anaheim, Calif.

(963) New Furniture Hinge: Information Tulson Lazy Tong Hinge; versatile addition to basic furniture hardware permitting new designs; eliminates unsightly gap; no rubbing joints; square joining of horizontal surface and hinged leaf; good product, worth investigating.—Tulson Distributing Company, 1905 Logan Avenue, San Diego 13, Calif.

(32a) New Type Exit Lock: Information new type Hunter emergency lock, approved by UL, Casualty Insurance Underwriters; can be opened with key or by breaking thin glass panel; in latter case bell rings; keeps emergency exits legally protected; highly practical item, deserves close appraisal.—

Hunter Lock Company, 1109 South Robertson Boulevard, Los Angeles 35, Calif.

HEATING & AIR CONDITIONING

•(798) Boilers, Burners: Brochure, information six sizes vertical tube-type boilers, compact interchangeable oil, gas burners; full specifications; detailed, well illustrated descriptions.—The Aldrich Company, 125 Williams Street, Wyoming, Ill.

(994) Heating Facts: Remarkably well prepared 20-page question-and-answer brochure "How to Select Your Heating System" featuring Lennox heating equipment, now available; practical, readable information by world's largest manufacturers; should be in all files.—Dept. AA-5, The Lennox Furnace Company, 974 South Fair Oaks Avenue, Pasadena, Calif.

•(907) Quick Heating: Comprehensive 12-page catalog featuring Markel Heetaire electrical space heaters; wall-attachable, wall-recessed, portable; photographs, technical data, non-technical installation data; good buyer's guide.—Markel Electrical Products, Inc., Buffalo 3, N. Y.

•(381) Radiant Heating: Firm will engineer and install systems in Los Angeles area; one of the best sources of practical information on radiant heating.—Horace F. Allison, 8346 W. Third St., Los Angeles 36, Calif.

(816) Rotary Cooler: Brochures, folders Far-Air rotary evaporative coolers; good design, quality construction, easy installation, low maintenance; 2,500 to 6,000 CFM, automatic controls optional; full specification, installation data, including piping, wiring diagrams in old or new construction.—Farr Company, Los Angeles, Calif.

(17a) Unit Ventilation for Schools: Data describing 37 points of engineering and functional superiority Herman Nelson system of Unit Ventilation for schools; assures uniform temperatures for classrooms; introduces outside air, recirculates room air automatically; operation is economical, dependable; trouble-free, quiet; this information definitely belongs in all architectural files.—Herman Nelson Division, American Air Filter Company, Inc., Moline, Ill.

INDOOR PLANTING

(900) Indoor Plants: Brochure "Foliage Plants for All Occasions"; well illustrated; professional discounts to architects, designers, decorators; nation's largest wholesale growers of decorative plants.—Roy F. Wilcox & Company, Box 240, Montebello, Calif.

INSULATION AND ROOFING

•(995) Aluma-Life Roofing: Folders, specification data light-weight Aluma-Life roofing; uses aluminum foil, 99.4 per cent pure, between cotton gum base layers with a coating of marble or granite chips of selected colors; rated "A" by National Board of Fire Underwriters, approved by FHA; hurricane specifications; insulation value equals 2" of mineral wool; particularly good for modern design; merit specified for use on CSHouse 1950.—Aluminum Building Products, Inc., Route 1, Atlantic Boulevard, Jacksonville 7, Fla.

(33a) Flashing Service: Brochures Revere-Keystone Interlocking Thru-Wall Flashing, Revere-Simplex Reglet System for Flashing Spandrel Beams, and Master Specifications for Copper Roofing and Sheet Metal Work; these

brochures, comprising one of best sources, belong in all files.—Revere Copper and Brass Incorporated, 230 Park Avenue, New York 17, N. Y. A, D, B, PB, AS, DR.

LIGHTING EQUIPMENT

•(34a) Accent and Display Lighting: Brochure excellently designed contemporary Amplex "Adapt-a-Unit" Swivelite fixtures; clean shapes, smart appearance, remarkable flexibility, ease of handling; complete interchangeability of all units, models for every type of dramatic lighting effects; includes recessed units, color equipment; information on this equipment belongs in all files.—Amplex Corporation, 111 Water Street, Brooklyn 1, New York.

(964) Bank, Office Lighting: Brochure planned lighting for banks, office; covers recent advances use standard lighting equipment for architectural, illuminating results and influences properly maintained foot-candle levels to improve efficiency, increase working accuracy, add visual comfort; data costs, installation, maintenance; well illustrated; one of best sources information on subject.—Pittsburgh Reflector Company, 452 Oliver Building, Pittsburgh 22, Pa.

•(965) Contemporary Fixtures: Catalog, data good line contemporary fixtures, including complete selection recessed surface mounted lense, downlights incorporating Corning wide angle Pyrex lenses; recessed, semi-recessed, surface-mounted units utilizing reflector lamps; modern chandeliers for widely diffused, even illumination; selected units merit specified for CSHouse 1950.—Ledlin Lighting, Inc., 49 Elizabeth Street, New York 13, N. Y.

(462) Contemporary Lamps. Full information; good line of contemporary lamps; well designed.—Lamps, Ltd., 368 Sutter Street, San Francisco 8, California.

(946) Contemporary Lamps: Information 3-way swing table and floor lamps in modern mode by Hosmer; entirely new design combines functionality of gooseneck, swing arm, advances beyond both; arm with two rotating sprung friction joints permits full 3-way swing in infinite variety of positions; floor lamp telescopes 5-7"; instantly transformable into torchiere, bridge lamp or directional spot; choice of brush brass, brushed cadmium or copper finish; shades in cloth or acorn aluminum spin.—Hosmer Lamps, 1422 Grant Avenue, San Francisco, Calif.

•(339) Contemporary Lamps, Lighting Fixtures: Brochures, folders exciting contemporary residential lamps, fixtures; residential, commercial use; well illustrated, data-packed; well designed, engineered; wide ranges of finishes.—Kurt Versen Company, 4 Slocum Englewood, New Jersey.

(825) Contemporary Lighting Fixtures: Brochure illustrating complete selection architectural lighting fixtures for every purpose.—General Lighting Company, 8336 West Third Street, Los Angeles 48, California.

(35a) Flexible Store, Showroom Lighting: Remarkably well prepared brochure Day-Brite Plexoline system of modern store, showroom fixtures permitting use of curves, angles of any degree; comprises linear sections, circular units, adapter fittings; no special, custom parts needed; forms networks slimline, fluorescent illumination; 2-

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On the average, just two cents more of the home-building dollar added to the wiring item will make the difference between an ordinary, "just-get-by" job and CERTIFIED ADEQUATE WIRING.

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It makes a home run more efficiently, conveniently and safely. Plenty of outlets, lights and switches assure your client modern, electrical living—while heavy enough wire, extra circuits and a large service entrance permit him, without extra trouble, to "plug in" additional appliances and lighting, in the future, as his needs and budget increase.

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light, 4-light systems; brochure contains full installation details, descriptive information, illustrations; this is a good product, information on it belongs in all files.—Day-Brite Lighting, Inc., 5411 Bulwer Avenue, St. Louis 7, Mo.

(782) Fluorescent Luminaries: New two-color catalog on Sunbeam Fluorescent Luminaries; clear, concise, inclusive; tables of specifications; a very handy reference.—Sunbeam Lighting Company, 777 East Fourteenth Place, Los Angeles 21, Calif.

•(911) Glareless Lamps: Brochure glareless Lam Lamp, contemporary design, which provides well diffused light which can be directed where needed; lacquered parchment diffuser snaps inside rim of shade; birch base, rod and goose-neck of lacquered brush brass; laminated natural fabric and parchment shade; inexpensive.—The Lam Workshop, 63-A Summer Street, Somerville 43, Mass.

•(375) Lighting Fixtures: Brochures, bulletins Prylites, complete line recessed lighting fixtures, including specialties; multi-colored dining room lights, automatic closet lights; adjustable spots; full technical data, charts, prices.—Prylite & Company, Inc., 140 North Towne Avenue, Pomona, Calif.

(26a) Lighting Guide: Factual, well illustrated 16-page lighting guide featuring several architecturally designed lines for commercial and institutional installation available in various sizes for both fluorescent and slimline units; features matching fixtures in several sizes of 2, 3, and 4 lamps or more; a complete line of incandescent display lights are also shown; these are good

products, guide belongs in all files.—Garden City Plating & Manufacturing Company, 1750 North Ashland Avenue, Chicago 22, Ill.

(36a) Slimline Fluorescent: Illumination data, specifications new Collegiate Slimline Fluorescent fixtures; designed for economical, efficient operation in commercial, institutional installations; steps up lightlevels with Duraglo white synthetic enamel finish; single-pin instant starting lamp, no starter needed; piano hinge assemble permits rapid lamp changes; well designed, soundly engineered; overall length 96½", width 13½"; pendant or pedestal-type mounting.—Smoot-Holman Company, Inglewood, Calif.

(910) Theatrical Lighting: Smartly designed 48-page catalogue showing best in contemporary theater lighting for stage, exhibits, window displays, pageants, fashion shows, dance halls, cabarets, night clubs and fairs by Century; lights, special equipment, control equipment, accessories; one of most complete workbooks published, completely illustrated and with prices; this is a must.—Century Lighting, Inc., 419 West Fifty-fifth Street, New York 19, New York.

(996) Weatherproof Area Light: Catalog weatherproof column area light for gas stations, parking areas, playgrounds and parkways; heavy steel 20½" diameter porcelain-enamelled reflector with overhanging skirt; minimum glare; built-in cast aluminum splice box to add supplementary spots, floods as needed; well designed, engineered product, worth study.—Stone Manufacturing Company, 489 Henry Street, Elizabeth, N. J.

MISCELLANEOUS

(967) In-Wall Folding Table, Bench

Equipment: Information Scheiber In-Wall Folding Table, Bench Equipment; for use in gymnasiums, halls, meeting places; simple, shallow cabinet containers; easy to handle; rubber casters will not mark light floors; good source of information for school architects.—Schieber Manufacturing Company, 12720 Burt Road, Detroit 23, Mich.

(360) Telephones: Information for architects, builders on telephone installations, including built-in data.—P. E. Dvorsky, Pacific Telephone & Telegraph Company, 740 South Olive Street, Los Angeles 55, Calif.

MOVABLE STEEL WALLS

(917) Movable Metal Walls: Catalog Mills Movable Metal Walls; practical workbook for architects, engineers, contractors on problems in flexible division of interior space; emphasizes advantages movable walls; fully illustrated, complete detailed construction drawings, specification data; probably best source of information this subject.—The Mills Company, 975 Wayside Road, Cleveland 10, Ohio.

PAINTS, SURFACE TREATMENTS

•(925) Portland Cement Paint: Folder L & S Portland Cement paint merit specified for use CSHouse 1950; for concrete, stucco, masonry, new galvanized iron, other surfaces; long wearing, won't absorb moisture, fire retardant; easy to apply with brush, spray; used for 30 years.—General Paint Corporation, 2627 Army Street, San Francisco, Calif.

•(924) Sash and Trim Colors: Folder strong, durable sash and trim colors ground in treated oils; pure, light-fast

pigments combined with specially formulated synthetics; won't check, crack, withstands discoloration, retains gloss, flows easily but won't run, sag; good hiding capacity; worth investigation.—General Paint Corporation, 2627 Army Street, San Francisco, Calif.

•(938) Paint Book: New 47-page paint book featuring General Paints: full architects' specifications, more than 200 color samples, complete catalog of finishes; full descriptions paints, enamels, varnishes, lacquers, etc.; invaluable information on finishing all surfaces, including plaster, hardwood, close-grained woods; this is a must for all files.—General Paint Corporation, 2627 Army Street, San Francisco 19, Calif.

PANELS AND WALL TREATMENTS

•(902) Building Board: Brochures, folders Carco Wallboard, which is fire resistant, water resistant, termite proof, low in cost, highly insulating, non-warpage, easy to work, strong, covered with one paint coat, finished on both sides, semi-hard, and uniform; 4'x8' sheets ¾" in thickness; merits close attention.—L. J. Carr Company, Post Office Box 1282, Sacramento, Calif.

•(903) Decorative Panels: Brochure full-color on Parkwood Decorative, laminated plastic panels using genuine wood veneers retaining all natural wood luster; ideal for table or counter tops, wall panels; standard and cigarette-proof grades; 24"x30" to 36"x96"; interesting product meriting close appraisal.—Parkwood Corporation, 33 Water Street, Wakefield, Mass.

(970) Douglas Fir Plywood: Basic 1950 catalog giving full data Douglas

merit specified



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Fir Plywood and its uses; delineates grades, features construction uses, physical properties, highlights of utility; tables on nail bearing, acoustics, bending, rigidity, insulation, condensation; full specification data; undoubtedly best source of information, belongs in all files.—Douglas Fir Plywood Association, Tacoma Building, Tacoma 2, Wash.

• (585) Etchwood Panels: Literature Etchwood, a "3-dimensional plywood" for paneling, furniture, display backgrounds; soft grain burnished away leaving hardwood surface in natural grain-textured surface; costs less than decorative hardwood plywood; entire new product, merits close consideration. — Davidson Plywood & Lumber Company, 3136 East Washington Boulevard, Los Angeles, Calif.

• (796) Hard Board Panels: Brochure, data, sample new controlled process hard board for walls, ceilings, partitions, shelves, furniture, cabinets; smooth surface, exceptionally resistant to abrasions, cracking, chipping, splintering, denting, breaking; can be installed with ordinary tools.—Alport Associates, 620 Equitable Building, Portland 4, Ore.

(997) Metal Wall Tile: Information Crown Steel Wall Tile; will not rust, chip, crack, craze, peel; lightweight, does not require heavy substructure; wide color range, available in stainless steel; a surety bond supplied for each installation; product warrants close appraisal.—Ohio Can & Crown Company, Massillon, Ohio.

(998) Plastic Wall Tile: Full color folder Pittsburgh Interlock Plastic Wall Tile, including chart of 16 plain and barbeized colors; made of polystyrene, does not contain or absorb moisture; lightweight, can be installed

on any straight structurally sound wall or ceiling area; self-aligning, each tile locked in place, excellent product, well worth consideration.—Jones & Brown, Inc., 439 Sixth Avenue, Pittsburgh 19, Pa.

• (951) Translucent Corrugated Panels: Full-color brochure Alsynite translucent corrugated glass fiber laminated panels which cuts, punches with common tools and adheres with translucent mastic; wide range pastel colors; lightweight, will bend, fire-resistant, acid resistant; $2\frac{5}{8}$ " and $1\frac{1}{4}$ " corrugations, 26" to 40" wide and 8' to 10' long; remarkable decorative product, indoor and outdoor uses; merit specified for CSHouse 1950.—O'Morrow Corporation, 4509 Firestone Boulevard, South Gate, Calif.

PLUMBING FIXTURES, ACCESSORIES

• (668) Bath Fixtures: Information Case contemporary bath fixtures, including T/N Water Closet, free standing non-overflow fixture; also complete line well designed lavatories.—W. A. Case & Son Manufacturing Company, 33 Main Street, Buffalo 3, N. Y.

• (477) Harcraft Plumbing Fixtures: Brochure full information new line bath accessories in good contemporary design; clean, efficient, practical; used in CSHouse Number 18.—Harvey Machine Company, 6200 Avalon Blvd., Los Angeles, Calif.

• (971) Lighted Bathroom Cabinet: Folder Milwaukee Fluorescent Bathroom Cabinet; completely recessed lighting provides very high level diffused illumination; flush mirror; four 20-watt fluorescent tubes shielded with Corning Albalite translucent opal glass; simply designed, well engineered, soundly fabricated; merit specified for CSHouse 1950.—Northern Light Com-

pany, 2051 North Nineteenth Street Milwaukee, Wis.

(18a) Plastic Lavatories: Information on Durable Plastic Lavatories made of thick shatter-resistant Lucite or Plexiglas; lightweight, will not chip, rust, stain; will withstand boiling water; pastel pink, green, blue, and white; small size, for use extra bathrooms, trailers, boats, planes; standard faucets, drains; merit investigation.—Durable Formed Products, Inc., 6 Greene Street, New York, N. Y.

• (952) Shatterproof Shower Doors: Folder new Kipple-Lite shatterproof shower doors; all sizes, types shower doors, tub enclosures; polished aluminum frames, simply designed, Alsynite Fiberglass laminate panels; major savings due to lighter weight than comparable products and complete absence of replacement costs; good products, merit specified for CSHouse 1950.—O'Morrow Corporation, 4509 Firestone Boulevard, South Gate, Calif.

• (953) Stainless Steel Shower Floor: Information Permafix one-piece stainless steel shower floors; leakproof, skidproof, permanent, sanitary, easily installed; heavy deep-drawn stainless steel, underside coated with sound deadening asphalt rubber emulsion; costs less than tile; this is sensible product, merit specified for CSHouse 1950.—The O'Morrow Corporation, 4509 Firestone Boulevard, South Gate, Calif.

(55) Water Heaters, Electric: Brochure, data electric water heaters; good design.—Bauer Manufacturing Company, 3121 W. El Segundo Boulevard, Hawthorne, California.

RADIOS

(532) Custom Built-In Sound Equipment: Information equipment giving

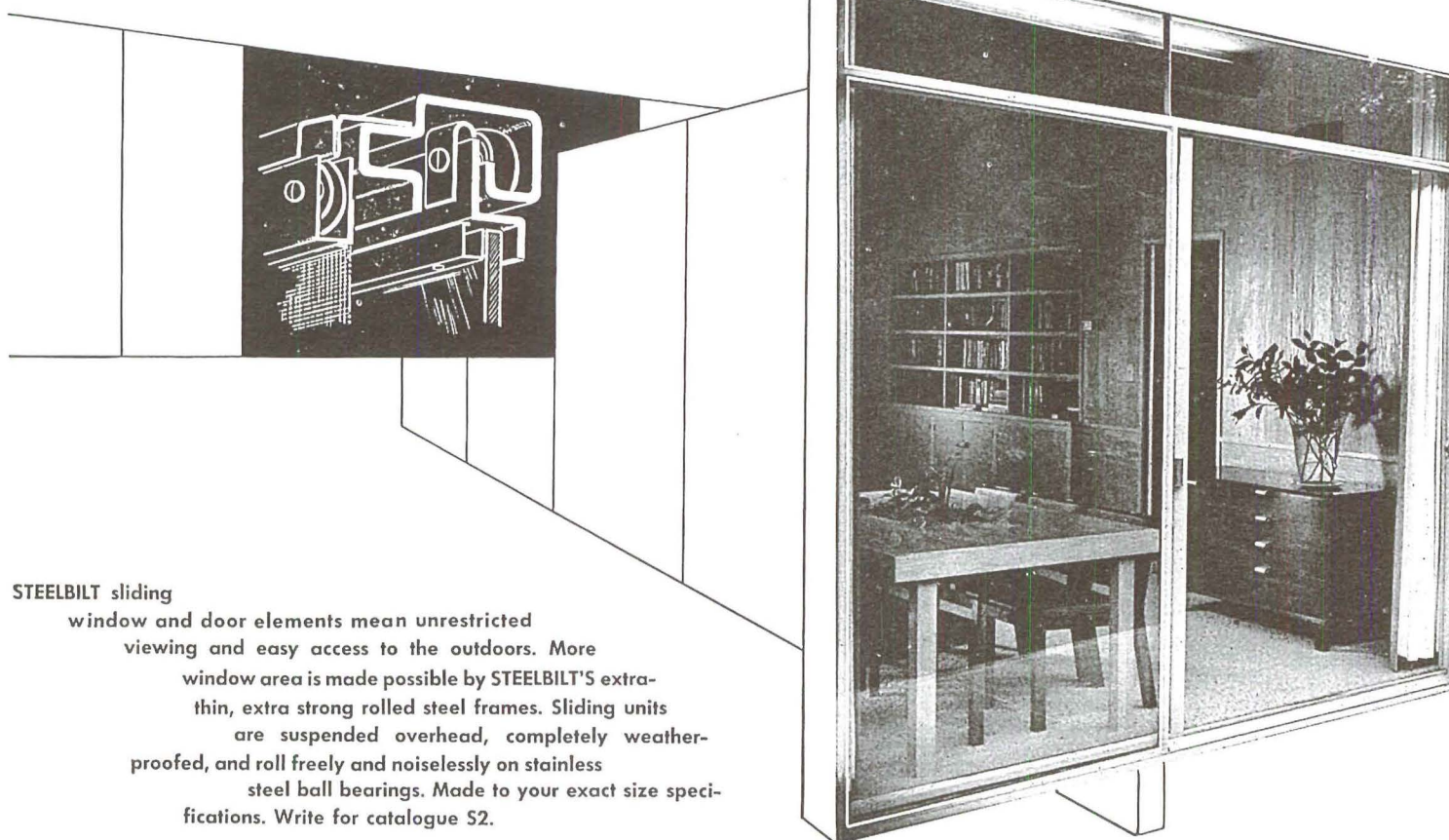
broadcast quality, custom sound, television, record playing, recording; servicing architects, decorators, furniture dealers; demonstrations by appointment, Gr 7606—20th Century Design, 8923 Beverly Boulevard, Los Angeles 48, Calif.

• (27a) Custom Radio-Phonographs: Information Gateway To Music custom radio-phonograph installations; top quality at reasonable cost; wide variety custom-built tuners, AM-FM, amplifiers, record changers including three-speed changers which play consecutively both sides all types of records; television, magnetic recorders, other optionals; cabinets also available; five-year parts, labor warranty; merit specified for CSHouse 1950.—Gateway to Music, 3089 Wilshire Boulevard, Los Angeles 5, Calif.

• (948) Record Changer: Literature, data new Markel 3-speed Playmaster, only complete 3-speed changer that automatically plays all speeds and all sizes of records and automatically plays both sides of 10" and 12" records continuously in sequence; handles 12 12" 33-1/3 records for total of 9 hours playing time; remarkably well engineered; this item must for all interested in sound equipment.—Markel Electric Products, Inc., 145 Seneca Street, Buffalo, N. Y.

SASH, DOORS AND WINDOWS

(522) Awning Windows: Brochure Gate City Awning Windows for homes, offices, apartments, hotels; controlled by worm and gear drive operating two sets of raising mechanisms distributing raising force to both sides of sash; standard and special sizes; contempor-



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window and door elements mean unrestricted viewing and easy access to the outdoors. More window area is made possible by STEELBILT'S extra-thin, extra strong rolled steel frames. Sliding units are suspended overhead, completely weatherproofed, and roll freely and noiselessly on stainless steel ball bearings. Made to your exact size specifications. Write for catalogue S2.

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any design.—Gate City Sash & Door Company, 15 Southwest Third Avenue, Fort Lauderdale, Fla.

(356) Doors, Combination Screen-Sash: Brochure Hollywood Junior combination screen-metal sash doors; provides ventilating screen door, sash door, permanent outside door all in one.—West Coast Screen Company, 1127 East Sixty-third Street, Los Angeles, Calif. (in 11 western states only).

(37a) Flexible Door: Information Ra-Tox Flexible Door designed for home or apartment use for walk-in closets, Pullman-type kitchenettes, room partitions; similar applications; made of woven splints, easily hung from ordinary traverse channel; folds accordion-wise to either side of frame; finish painted in 11 lacquer enamel colors, including natural wood.—Ra-Tox Division, Hough Shade Corporation, 1115 Jackson Street, Janesville, Wis.

(151) Folding Doors: Idea-packed 12-page brochure Modern-fold doors; accordion-type folding walls, top hung, no floor track; metal frame with leatherette cover; good contemporary design accessory.—New Castle Products, New Castle, Ind.

•(972) Heat Absorbing, Glare Reducing Glass: Helpful, informative 12-page catalog featuring Mississippi Glass Company's Heat Absorbing, glare reducing Coolite glass; shows typical industrial and other applications; presents facts based on independent laboratory tests covering properties of glass; contains heat and light transmission tables, specification data.—Mississippi Glass Company, 88 Angelica Street, St. Louis 7, Mo.

•(901) Hollow Core Flush Door: Brochure Paine Rezo hollow core flush door featuring interlocking air-cell grid core combining the strength of cross-banded plywood with lightness in weight; accurately mortised and framed together, and overlaid with matched resin-glued plywood panels; one of best products in field.—L. J. Carr and Company, Post Office Box 1282, Sacramento, Calif.

•(930) Metal Window, Door Casings: Folder Milcor Steel window, door casings; simple, clean, good for contemporary houses; solid or expansion wings; all styles straight, uniform, permitting good mitres at corners, neat, invisible union with plaster surfaces.—Inland Steel Products Company, Box 393, Milwaukee 1, Wis.

(24a) Reversible Action Sash Hardware: Folder Whitco reversible action sash hardware permitting two-side window cleaning from inside; adaptable to all casements, awning-type windows or transoms regardless of size, style; wind-holder stops slamming from wind-pressure, yet always free-acting, sag-proof; eternaplated steel or perpetual solid brass; interchangeable, fits either right or left swinging casements, top or bottom hung awningtype windows; full specification, installation data; well designed, engineered; worth investigating.—Vincent Whitney Company, P.O. Box 335, Sausalito, Calif.

•(927) Rubber Weatherstripping: Brochure, folders Bridgeport Inner-Seal Weatherstripping; spring wire, rubber construction; remarkable wearing qualities, easy to install; waterproof, won't stain sills, resilient, inexpensive; a re-

markably well engineered product merit specified for CSHouse 1950.—Bridgeport Fabrics, Inc., 165 Holland Avenue, Bridgeport 1, Conn.

(999) Self-Storing Window Screens: Permanent, rustproof Screen-o-Matic, a disappearing window screen; improved plastic screening on aluminum roller all enclosed in aluminum housing; mounted on outside lower window sash; unrolls to cover opening as window is raised; rolls back up automatically when lowered; left on year round; saves storage, painting; gives more light, longer life, easier window washing; anyone can install; low in cost; worth thorough investigation.—Lockhart Manufacturing Corporation, 6350 East Davison Avenue, Detroit 12, Mich.

(38a) Store Fronts: Information Natcor Store Fronts; fully extruded aluminum mouldings and entrances; narrow stile doors and jambs; sturdy, modern; specification data and engineering aid available.—Natcor Store Fronts, Taunton, Mass.

•(550) Windows, Horizontally Sliding: Folder Steelbilt horizontally sliding windows, doors; wide range stock sizes adaptable to contemporary design; narrow mullions, muntons; outside screens. Steelbilt Inc., 4801 E. Washington, Los Angeles, Calif.

SPECIALTIES

•(1a) Door Lookout: Information new B-Safe wide angle door lookout; glass optical system encased in slender cylinder of lock metal with silent-operating eyepiece shutter; wide angle lens system permits viewer to inspect those outside in full figure, but visitors can-

not see in; easily installed wood or metal doors up to 2" thickness; tamperproof, well designed; merit specified for CSHouse 1950.—Danca Products Corporation, 52 Broadway, New York 4, N. Y.

(209) Flock, Flock Finishing: Booklet (32 pages) flock, flock finishing; process of coating short fibers on surfaces to velvet-like pile finish; contains actual color samples.—Behr-Manning Corporation, Troy, N. Y.

(21a) Folding Stairway: Information EZ-Way Folding Stairway; light pull on cord brings stairway through trap door; light push sends it back up; brings more usable space to homes, cottages, garages; well conceived product meriting consideration.—Minnesota Wood Specialties, Inc., Post Office Box 216, St. Paul Park, Minnesota.

(39a) Iron Work: Illustrated 44-page catalog showing 200 photographs case iron lacework from old New Orleans Vieux Carre designs; pilasters, balustrades, friezes, other details all exact replicas of authentic originals; also includes photographs wide range modern installations; descriptions, weights, measurements, architectural suggestions; highly useful reference work, belongs in all files.—Lorio Iron Works, 738 South Gayoso Street, New Orleans 19, La.

•(913) Lightweight Core: Brochure Parkwood Honeycomb, very lightweight core material for use between sheets of aluminum, plywood, veneer, decorative laminate; various grades range in compressive strength from 50 to 250 lbs. per square inch; ideal for doors, furniture, sliding panels; inexpensive.—Park-

Century open reflector downlights, flush type

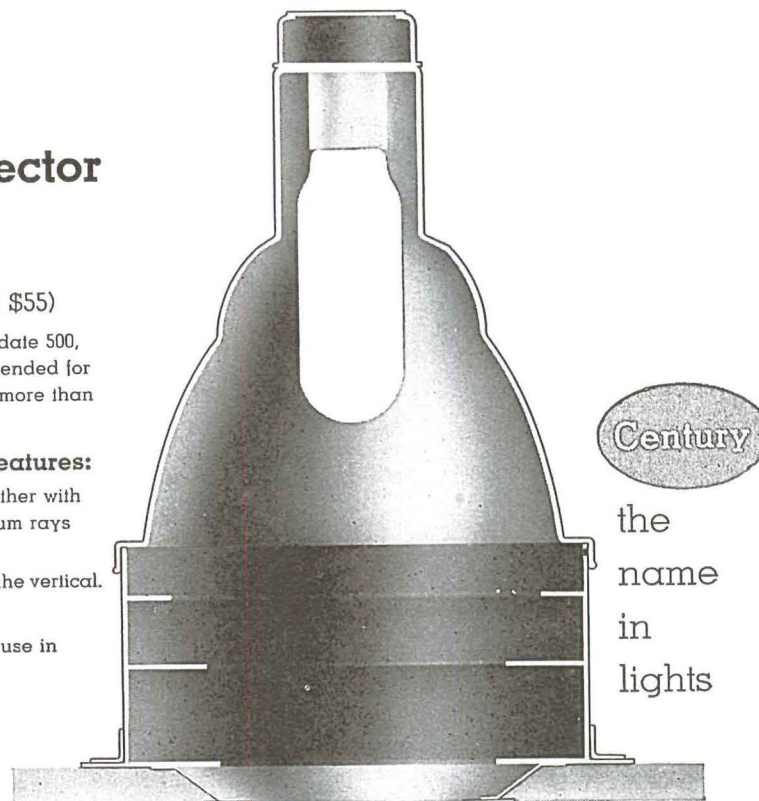
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Century Lighting Inc., 419 West 55th Street, New York 19, N. Y.

626 North Robertson Blvd., Los Angeles, Calif.

Wood Corporation, 24 Water Street, Wakefield, Mass.

(2a) Plastic Numerals: Information new line plastic numerals for door, house numbers, other exterior-interior uses; luminous polystyrene, red fluorescent acrylic, gold acrylic, silver acrylic, black acrylic: $4\frac{1}{2}$ " high, well designed for readability; impervious to weather conditions, won't corrode, never need painting; good product, worth investigation.—Gits Molding Corporation, 4600 West Huron Street, Chicago 44, Ill.

(25a) Prefabricated Chimney: Folder entitled "Vitroliner Type 'E' Flue"; functions as a complete chimney for all home heating equipment; individually designed to fit the particular roof pitch of house with tailor-made roof flashing and flue housing; made of heavy-gauge steel, completely coated with acid-resisting porcelain; low initial cost; installs in two hours, light weight, saves floor space, improves heating efficiency, shipped complete in two cartons; listed by UL for all fuels; good product, definitely worth investigation.—Condensation Engineering Corporation, 122 South Michigan Avenue, Chicago 3, Ill.

(20a) Silicone Water Repellent: Manual on exterior masonry waterproofing, featuring Crystal silicone water repellent; invisible after application; does not change color or texture of surface; makes surfaces stainproof, prevents efflorescence; repels water throughout entire depth of penetration; one coat sufficient, can be applied at any temperature; product merits investigation.—plicity, modern design through use of

Wurdack Chemical Company, 4975 Fyler Avenue, St. Louis 9, Mo.

(23a) Swimming Pools: Well prepared book "Planning Your New Swimming Pool" giving full data Paddock swimming pools; nationally known, widely accepted; one of best sources of information on subject.—Paddock Swimming Pools, 8400 Santa Monica Boulevard, Los Angeles 46, Calif.

(973) Tile-setting Cement: Literature, samples, architectural specifications Acorn Thinned Cement, Hardner and Binder; a new good cement for setting and grouting real clay tile over plaster, wall board or any other good base; walls or floors require only $\frac{3}{8}$ " overall; hard and strong, saves time, expense, weight; works like Portland Cement.—Acorn Adhesives & Supply Company, 1011 West Eleventh Street, Los Angeles 15, Calif. A, D, DR, B, PB, AS, ID, C.

STRUCTURAL BUILDING MATERIALS

(943) Aluminum: Informative booklet on aluminum point out that often excellent production economies can be made by using aluminum in place of other materials; complete descriptions various forms in which Revere aluminum is fabricated; illustrations, charts, tables giving properties, characteristics of most wrought aluminum alloys. Revere Copper & Brass Inc., 230 Park Avenue, New York, N. Y.

(933) Custom Stock Store Front Metals: Information Kawneer Custom-Styled Stock Metals for store fronts; permit custom styling, clean-lined simple large glass areas in residential and

Kawneer stock metals; less costly than ing, detailing; good product, worth made-to-order specials; eliminates draft-thorough investigation.—The Kawneer Company, 289 North Front Street, Niles, Mich.

(3a) Interlocking Building Block: Information new Hydro-Stone interlocking building block; made entirely from waste materials, eliminates use of mortar; resembles cut stone, granite or marble; made with patented tongue-and-groove design within tolerances of $5/1000$ "; mastic put on with hand spray gun as assembled insures against moisture; contents include sand, oyster shells, iron ore waste, crushed brick, coal mine tailings, stone dust, or whatever material is most available locally; remarkably inexpensive, worth consideration; manufacturing franchises now open.—Hydro-Forged Stone Associates, Inc., 434 Bulkley Building, Cleveland, Ohio.

(22a) New Gypsum Wallboard: Information new type Firestop Bestwall gypsum wallboard; single $\frac{5}{8}$ " layer on both sides load-bearing wood stud partition has fire-resistance rating of one hour; single $\frac{1}{2}$ " layer on same construction has 45-minute fire-resistance; carries UL seal; incombustible ingredients added to gypsum core; strong, rigid, dimensionally stable, will not crack, warp, buckle; cuts easily; can be used for interior walls, partitions; smooth ivory surface.—Certain-teed Products Corporation, 120 East Lancaster Avenue, Ardmore, Penna.

(712) Sliding Steel Doors: Side Sliding steel doors and fixed sash for

commercial buildings; high quality, fully guaranteed; assembled at factory and delivered ready for installation; standard types and sizes illustrated details given: Arcadia Metal Products, 324 North Second Avenue, Arcadia, Calif.

VISUAL MERCHANDISING

(939) Visual Merchandising Presentations: 80-page brochure of metal display and merchandising fixtures; merchandising ideas and suggestion, layouts, presentations, all affording maximum display space in minimum floor area; this is, without a doubt, one of the best manuals of its type offered today.—Reflector-Hardware Corporation, Western Avenue at Twenty-second Place, Chicago 8, Ill.

WALL COVERING

(4a) Fabric Wall Coverings: Information, samples Authority Line Fabric Wall Coverings; wide variety patterns, decorator colors; custom produced, permanently washable, permanently crack-resistant; reasonably priced; worth investigating.—Standard Coated Products Division, Interchemical Corporation, Empire State Building, New York 1.

WATERPROOFING

(974) Waterproofing, Dampproofing: Office test kit, data on Formula No. 640; a clear liquid sealer penetrating deeply into masonry surfaces; hydrocarbon solvent evaporates leaving pores filled with a balanced formula of seven waxes, resins.—Haynes Products Company, 4007 Farnam Street, Omaha 3, Neb.

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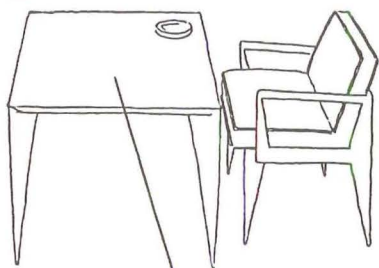
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BOOKS

E. BOYD

FRANCISCAN AWATOVI—The Excavation and Conjectural Reconstruction of a 17th-Century Spanish Mission Establishment at a Hopi Indian Town in Northeastern Arizona. Ross Gordon Montgomery, Watson Smith, and John Otis Brew. Reports of the Awatovi Expedition, Peabody Museum, Harvard University, Report No. 3, 1949. \$8.35, cloth. \$5.85, paper.—Few, if any, archaeological publications contain the variety of interests to readers without the field of archaeology that are contained in this volume. Montgomery the author of the main portion of this report, deals with the crumbled foundations of three Spanish missions; one never built above the footings, the second used for nearly fifty years, the third an improvised makeshift for a year, and covers these dry bones with the bright flesh and blood of life. Not only does he cover the building and purposes of the structures in question, but he has at the same time provided an omniscient dictionary for all missions ever built by Franciscans in the Southwest. We learn what the friars had in mind when they built, what they actually did accomplish, how, what materials they had and what they lacked, and, deductively, what they may have had to use although no evidences of the latter have survived, and what items were totally beyond their reach. Reasons for certain obscurities of construction or omission are explained in the light of conventual rule and its exceptions of expediency. A host of quaint and colourful personalities, sometimes exhumed from most obscure sources, are cited to support these reconstructions. Montgomery is a busy practicing architect whose work is well known along the Pacific Coast as well as in Los Angeles. While he has done many large buildings and churches, in both period and modern functional idioms, he is perhaps better known for his reconstruction of the Santa Barbara mission after the earthquake. So faithfully did he stabilize the damage that it is always now

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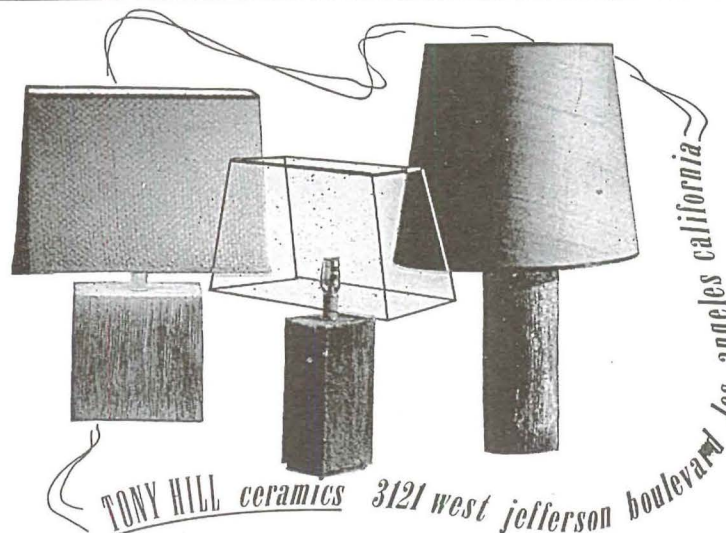
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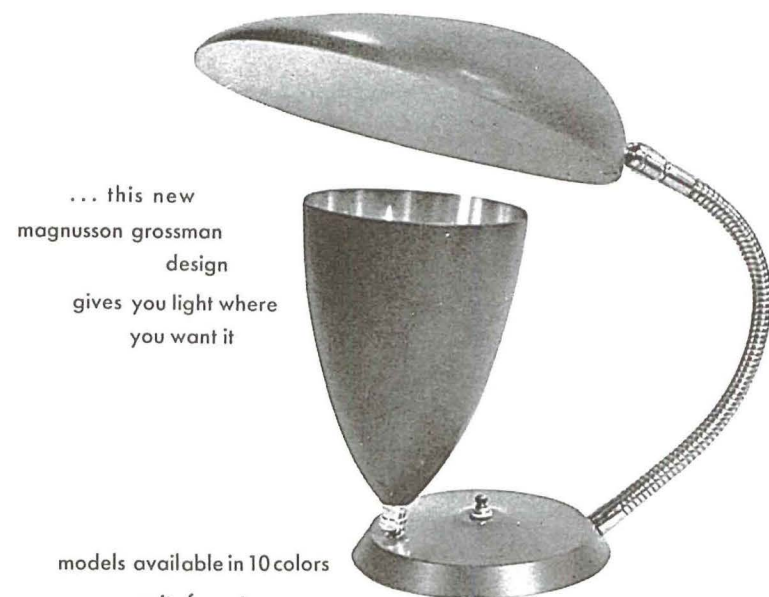
3121 west jefferson boulevard los angeles california

described as "in original condition"; although there are now hidden, within the massive walls and roof, steel beams and cores. With intimate knowledge of California missions Montgomery was peculiarly fitted to interpret the Spanish ruins at Awatovi, finally destroyed in 1700.

During the four summers that excavations were underway, between 1936-39, the author many times left his own work and drove, or flew, to the Jeddito valley and the sunbaked ruins above it, to see the newest find laid bare by spade, trowel and brush. Montgomery made exhaustive maps, plans, elevations and notes. During war years he read incessantly for historical verification of his apparent facts. The archives of Mexico and Spain, the works of historians, anthropologists and ecclesiastical records all were grist to his mill. He even corresponded with the Vatican in order to establish an ecclesiastical point of precedent in the 17th century. The blend of viewpoints, those of a living working architect, of explicit ecclesiastical rule as seen by a layman, of a personality that recognizes individualism and initiative as it was practiced, separately, by friars and Indians, (Montgomery likes to call himself a Nihilist), results in a fascinating book.

While Montgomery does not always see eye to eye with the professional archaeologists he never ignores their theories, instead, he demolishes them step by step. Contention is his meat so that he builds up equally forceful cases for his own postulations, and in a rarely salty style of writing. He recreates for us a rough stone fortress-like church and thickwalled friary, discussed in terms of stresses and strains of the 1949 Pacific Coast Uniform Building Code, not only a centre of religious worship, but of functional activity. All around are bawling herds, squawking "chickens of Castille", gardens being tilled and garden stuff being patiently dried to store against recurrent famine, expeditions coming and going for the natural resources scattered over hundreds of miles; salt, rosin, herbs, pigments, and firewood, the spinning and weaving and pottery making, tanning of hides for footgear, jackets, shields, saddles and ropes.

We see the lonely priest, between hours of devotion, writing to his superiors and the military authorities in an endless struggle against the encroachments of the soldiery upon the Indian wards,



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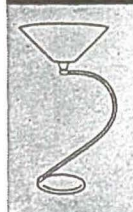
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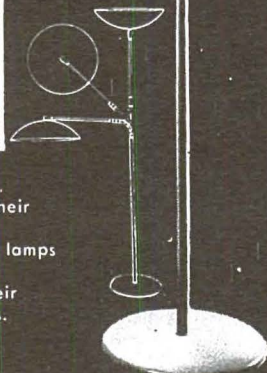


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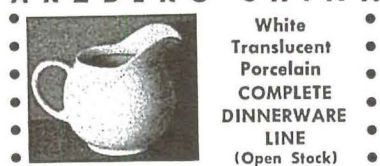
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and at the same time pitting faith against reason that he himself, without military protection, can successfully dominate the Pueblos while armed only with the humility of the Cross. This responsibility gave way to many more active, and human, ones of directing building, the laborious painting of geometric designs in fresco over the adobe altar, of the husbandry of flocks and precious European fruit trees, even the social mores needed attention—men and women, it seems, must not be trusted to whitewash walls in mixed groups or else unseemly conduct was the result!

It is not my purpose, nor the proper place, to review the excellent accounts of the history and excavation of Awatovi by Dr. Brew. More competent archaeological writers will be doing this for the next two years. The section on Architectural Painting by Watson Smith is of great interest to students of pre-Columbian Indian frescoes, on which Mr. Smith has also done extensive work to be published in a later volume, and to those concerned with pre-Rebellion missions; none other was preserved, as to interior detail, as was the one at Awatovi. These fragments of painting also confirm a long-cherished theory of this writer's, that the strangely Moorish, although crude, design elements found upon New Mexico altar-pieces of the 19th century were vestigial remnants of the tiles of Talavera and Majolica so lavishly used in Spanish and Mexican churches, although actual tiles were never made in, or brought into, the region.

Franciscan Awatovi is illustrated by Montgomery's painstaking reconstructions and an aerial map of caravan routes from Mexico to the Hopi mesas, by plans and photographs of each step of excavation. The bastard native pottery showing European influences, and various ecclesiastical fragments found are also reproduced. The book is obviously of interest, in addition to archaeologists, to those concerned with Spanish missions, with the impact of white upon Indian culture, seen here as if upon a stage, with New Mexican santos, their materials and prior background, with ecology, history, and the detective processes that gave this book its shape, with building, and to all those who know Ross Montgomery, and who did know the late Charles Amsden, who also worked at Awatovi, and to whom this book is dedicated.

RETREAT FROM LIKENESS IN THE THEORY OF PAINTING; Frances Bradshaw Blanshard. 2nd Edition, revised and enlarged. Columbia University Press, 1949. \$3.50.—The new edition includes more material in several chapters than did the first, published four years ago. Brief, easily written, this is a unique discussion of abstract art because of its impartial presentation. The reader who wants to know about this kind of art may learn more, and do so more agreeably, by reading this book than by going through endless monographs on different isms, or tirades in defense of their theories.

The author reminds us of ancient principles, from Plato to Joshua Reynolds, that were for long held as touchstones of merit in the arts and then gives the credos of such exponents of abstraction as Klee, Kandinsky, Mondrian and Jeanneret together with those of their critics and champions. She succeeds in passing on to her readers these far from unanimous expressions with little prejudice, although now and then she points up some reference with irresistible comment such as, apropos of "scientific" painting: "Both Ozenfant and Hiler show a touching faith in the application of science to art, not yet justified by the outcome. These attempts to translate the qualities of art into mathematical quantities offer a modern parallel to the old search for Pythagorean Analogy and for tables of perfect proportions".

Actually, were these advocates of precision in art to follow their premise to its ultimate conclusion they would not only have discarded realism but all need for the human agent since, according to the principle of mathematical virtue, I.B.M. calculators could paint "perfect" pictures at the rate of one a minute. Perhaps the only reason they have not already been made to do so is the fact that their usage is said to cost \$300 an hour.

One of the most interesting parts of the book is given over to definitions of abstractions by various artists as gleaned from their own written words. There is also a discussion, of usefulness to the sometimes bewildered layman, about the names given to this kind of art—non-objective, non-representational, non-figurative, and why none of them are acceptable due to their negative implications, and of the terms; abstract, concrete, and pure plastic, art. Reproductions, of which four are in colour, are too few to cover the long strides in the retreat from realism that they are made to do; as a result the reader gets the impression that this retreat led directly into commercial design.

MUSIC

PETER YATES

BEYOND ENTERTAINMENT

Winthrop Sargent, who occasionally says a good thing, devoted a *New Yorker* column to Szigeti's playing of the Alban Berg violin concerto. In the course of his remarks he distinguishes between "cosmetic" and expressive violin playing. "Mr. Heifetz, Mr. Elman, and Mr. Milstein, for example, have developed luscious tone and accurate agility of the left hand to a point of perfection probably unmatched in the history of the instrument. . . . For all their cosmetic glitter, they almost never interpret music with a real understanding of its deeper dramatic and emotional content. They shine magnificently in showy concertos by such composers as Tchaikovsky and Glazunov, but the purity and subtlety of style required in a simple Mozart sonata seem to be beyond them."

Then going on to Szigeti: "He lacks the formidable and immaculate polish of Mr. Heifetz. . . . He never wallows in beautiful tone for the sake of beautiful tone. He is always intent on communicating the inner substance of the music he interprets, and he accomplishes this task with the most scrupulous regard for emphasis and other subtleties of melodic contour. When listening to him one can forget that one is listening to a violin and listen to the music."

Those of us who heard Szigeti play the three Bach solo violin sonatas for Evenings on the Roof in January will have no trouble agreeing with this description, up to a point. When listening to Szigeti play the Brahms concerto or the Berg concerto one can forget the violin and hear the music, because unlike most violinists who play the Brahms—not many yet play the Berg—Szigeti does not insist on standing out in every last obligato arpeggio and figure as The Soloist.

Beyond that point one enters the really serious problem of great instrumental performance. Any properly trained instrumentalist has the capacity to play well. In most cases nothing but an ill-disciplined physical equipment or an unstable nervous system intervene between the competent instrumentalist and the public acclaim for which he yearns. The American audience and the majority of its overworked critical spokesmen will offer fulsome praise to any fiddler who has developed the skill to produce well-rounded contours of luscious and agreeable tone. The public is willing to accept Heifetz as The Violinist, because he wallows a little less than Milstein or Elman. Heifetz is the violinist's violinist. He does infallibly well those things which every violinist wishes to do mechanically better than anyone else.

The desire to go beyond the sound of the instrument and find the music is not common among people who enjoy listening to violinists, though the number of those who do make the effort has been steadily increasing. Listening to music as music demands more effort and attention than the general audience is willing to put into it. Much has been written about the inward meaning of music, yet the number of those who listen directly to music for this meaning probably never has been large. For most the purport of the music is received by means of a translation, a popular account, a note in the program, a general sensation of pathos, uplift, or well-being, or an emotional excitement conveyed by the manner of the playing. The ordinary listener and his lady go to hear music as they go to the ballet to see pretty girls.

Everyone is entitled to seek his own type and level of entertainment. The criteria of musical performance go far beyond entertainment and should not be confused with entertainment. The difficulty is that such performers as Heifetz, Elman, and Milstein not only entertain but also occasionally enlighten. They must therefore be taken seriously by anyone concerned with musical performance, both for their virtues and for their deficiencies. Except in specialized instances one can find no fault with Heifetz: one is simply more and more aware of his deficiencies.

To return to the pertinent comments of Winthrop Sargent: "There exist, of course, plenty of unglamorous but musically sensitive violinists, many of whom are members of string quartets, concertmasters of symphony orchestras, and so on. The trouble with these men is that they lack the individuality, dash, and brilliance of the true virtuoso." The qualifying sentence is far from true. Such musically sensitive and superlatively able chamber musicians and con-

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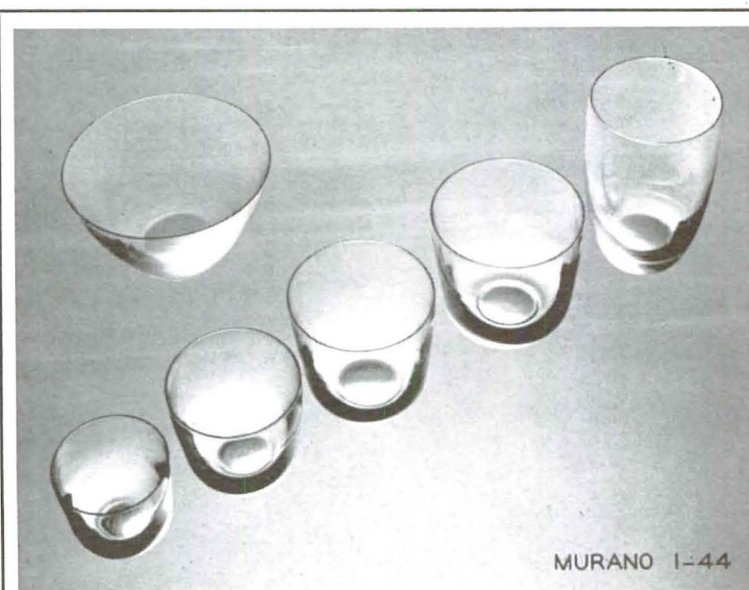


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certmasters as Rudolf Kolisch, Alexander Schneider, Tossy Spivakovsky, Louis Krasner, Szymon Goldberg cannot be said to lack individuality, dash, or brilliance. What is more true is that they are musicians first and incidentally entertainers; they do not offer the designs of the masters draped in sound nor sound for itself but such quality of controlled sound as is consistent with the purposes of the music. They do not talk for the music or show off for it; they enable the music to talk and show off for itself.

Many good professional and amateur listeners believe that the first requirement of violin playing is accurate intonation. This is like evaluating piano players by their "touch," or innate musicianship by that habituation to the well-tempered scale which is confused with a very rare phenomenon, absolute pitch. The listener who speaks of accurate intonation usually means consonant intonation, preferably a bit more sharp than flat. As a result concert pitch has slid up a good half-step since the time of Mozart and is now rising from 440 to 442. A half-step is no great distance on the keyboard; in harmony it is a decisive distance. Tonally it means that every composition of the eighteenth century is now heard as if it had been transposed a key higher. To support the increased tension of this higher pitch the instrument makers have torn apart the famous old violins of Amati and Stradivarius and rebuilt them, making them more brilliant but less sensitive. The natural speaking voice of the older instrument has become a cultivated high soprano; and this is all right for rounded melodies and coloratura embellishments but very bad for more serious music that speaks as often as it sings and bad for even the older singing music which prefers an unstrained, naturally modulated voice.

Increase of musicianship seldom accords with an increasingly consonant intonation. When Szgeti played the Bach solo sonatas we heard counterpoint on as many as three strings at once, without tricky arhythmic arpeggiation and without loss of intonation. The sustained organ-points of the sonatas were never allowed to degenerate into an organ-pipe evenness but were kept pulsating rhythmically against the melodic rhythms of the moving voices. This is far more of an accomplishment than producing accurate in-

tonation and keeping it accurate, as Milstein does. It may be taken as axiomatic that the increase of free rhythm in performance threatens stability of intonation. It increases the risk that some notes may be missed. And as corollary that intonation and correct note-playing must be often risked for the sake of vital rhythm.

We know that Bach composed for the most part in a modified mean-tone temperament (the thirds tuned sharp), which excludes what we should consider vertical consonance. Vertical consonance of parts is a relatively new thing in music; it became popular shortly after 1800 and is already, in the work of leading twentieth century composers, on the way out. Before vertical consonance there was overall consistency of tone, and the same quality is returning to music, as one may find by becoming habituated to the tonal consistency of Schoenberg's *Third Quartet*.

For composers of the seventeenth and eighteenth centuries harmony was a means of producing an agreeable consistency of parts, while retaining enough dissonance among the voices to prevent the agglutination into broken chords which usually happens when a *Brandenburg Concerto* suffers interpretation by a modern orchestra. Bach's first and best biographer, Forkel, has given a very good description of this sort of tonal consistency among parts.

"As in single intervals it is easily felt whether the following note must rise or fall, so it is very observable in whole phrases (or in single parts of them, if they are of any extent) to what goal they tend with regard to modulation, i.e., according to their intrinsic meaning.* This presentiment of a certain goal may be excited in each part by means of very different intervals. But for every part to achieve a free and flowing melody, it is necessary to have, between the notes which can indicate the above-mentioned goal and those which began the phrase, other notes, which are often very much opposed to the notes of the other parts, also lying between the two principal points, but which may be sounded at the same time with them. This is what is called a passing of tones of the

*This refers to harmony in terms of the Affections, not to modern key-harmony as we understand it.

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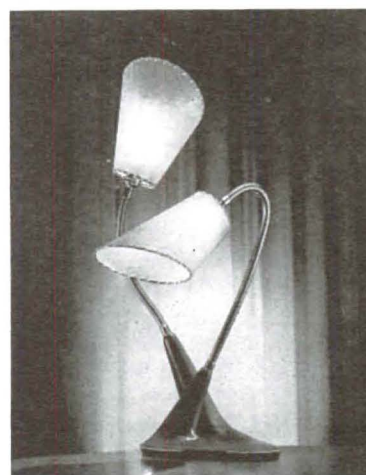
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most extensive kind. They proceed all together from one place, separate on the way, but meet punctually together at the end. No-body has made freer use of this kind of passing tones than Bach, in order thereby to give to all his single parts a perfectly free and flowing melody. Now if his works of this kind are not played with perfect fluency, there sometimes occurs great harshness between the beginning and end of a phrase, and we are at first inclined to accuse him of an exaggeration. But he has exaggerated nothing; for when we have once acquired skill sufficient to perform them according to their true character they sound the more beautiful, and, by their indeed strange but natural modulations, new avenues of hearing are opened in us into which no tone before penetrated."

False vertical harmony is also avoided by playing each part with its individual melodic rhythm, so that the melodies glide across one another and do not form successive concords. Loss of this rhythmical manner of playing counterpoint has made the hearing of Bach's music, especially the fugues, more confusing than pleasurable to anyone who tries to follow the individual progress of the several melodies and is not satisfied by catching at the returns of the theme. (This may help to explain the popular success of many modern orchestral arrangements in which the individual parts are distinguished by being set for a variety of contrasting instruments). I have seldom found more tonal pleasure in any music than in the varied episodes of the fugue of Bach's immense **C major Sonata** as Szigeti played it. Such exact matching of the right intonation and the right rhythm in each voice to give every successive musical event its unduplicated quality and character, which is to say, its meaning, will be for any listener a rare experience. Played otherwise, the **C major Sonata** will sound crabbed and tedious, better to be avoided; which has indeed been its fate. Szigeti told me that he has never heard another violinist play it.

Shading of intonation and rhythmic independence of parts are not confined to good Bach playing. These are the requisites of all chamber music and may explain why chamber musicians seldom become soloists or soloists satisfactory chamber musicians. The

soloist has been isolated from the musical commonalty by his feeling of need to develop an assertive brilliance, a dependable disguise of emotion, an infallible accuracy, and a sort of royal countenance, gracious to all and impervious to its surroundings. For this reason he cannot read Mozart well, except the concertos, and these with a rhetorical stubbornness, so that one is aware of the man on the stage but not of the boy Mozart who first wrote and played them. He disposes of the Beethoven sonatas as though the leading part enters with the violin obbligato.

Tone is for the true player the living body of the music, not its garment. No two performances, as no two living bodies, will be ever quite alike. Successive performances may be cut to the same pattern, like pretty dresses, or made monstrously elegant, veneered, embellished with gleaming hardware, like so many coffins. The container is not the body; what is left of the music is like a mummy inside.

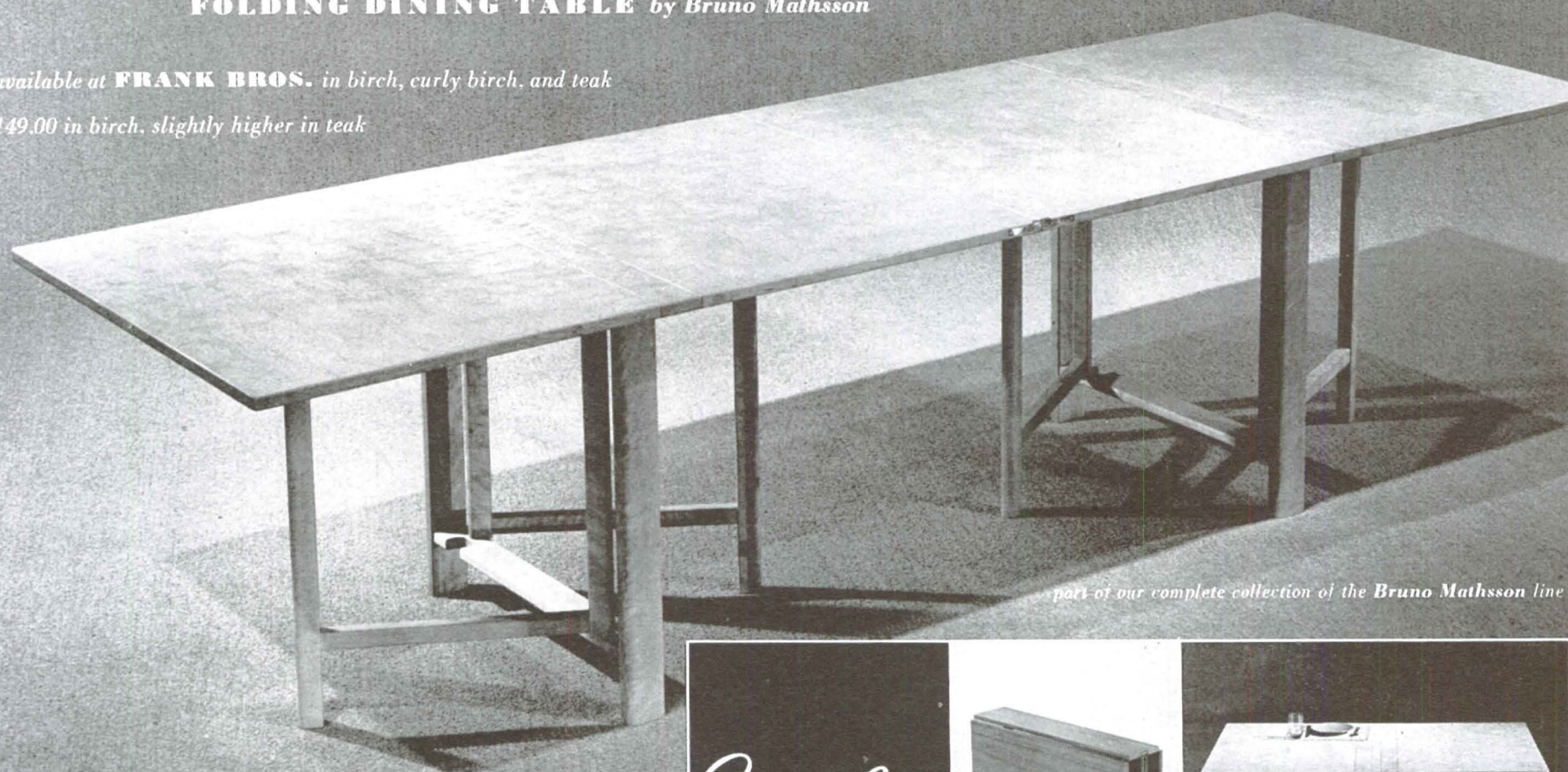
In these as in many other aspects of musicianship popular opinion confuses prominence and display with musical daring. It acclaims as a virtuoso anyone who can play down an orchestra regardless of the consequence. Daring is to play with rhythmical freedom across the beat, so that in the softest passages of a concerto the solo instrument, without shouting, does not lose its individual voice. Daring to follow, in the classical sonata, the leading part of the piano, without being subservient to it, so that the obbligato while remaining individual does not insistently become a solo. Daring to imply and accurately maintain the position of the beat, in an extended composition without beating it out measure after measure as if afraid to leave it. To convey the speech by the measure, the body by the drape of the technique.

For merely accurate performers these are dangers. Whoever will risk them should have the self-assurance and modesty of knowledge; willingness to try and fail many times so that one may be right; understanding that there is no perfection which can be molded and kept cool, like gelatine, but only the frail, intense purpose of the artist, which he sometimes communicates.

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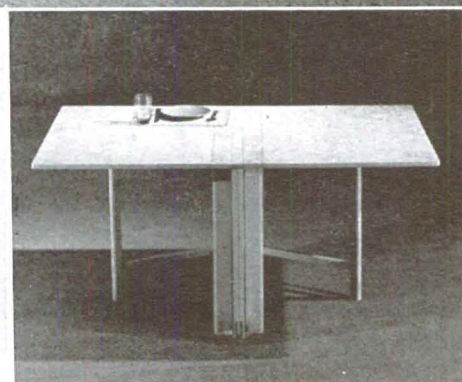
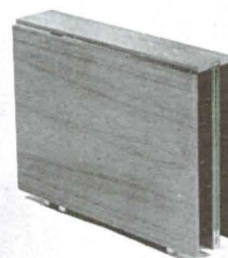


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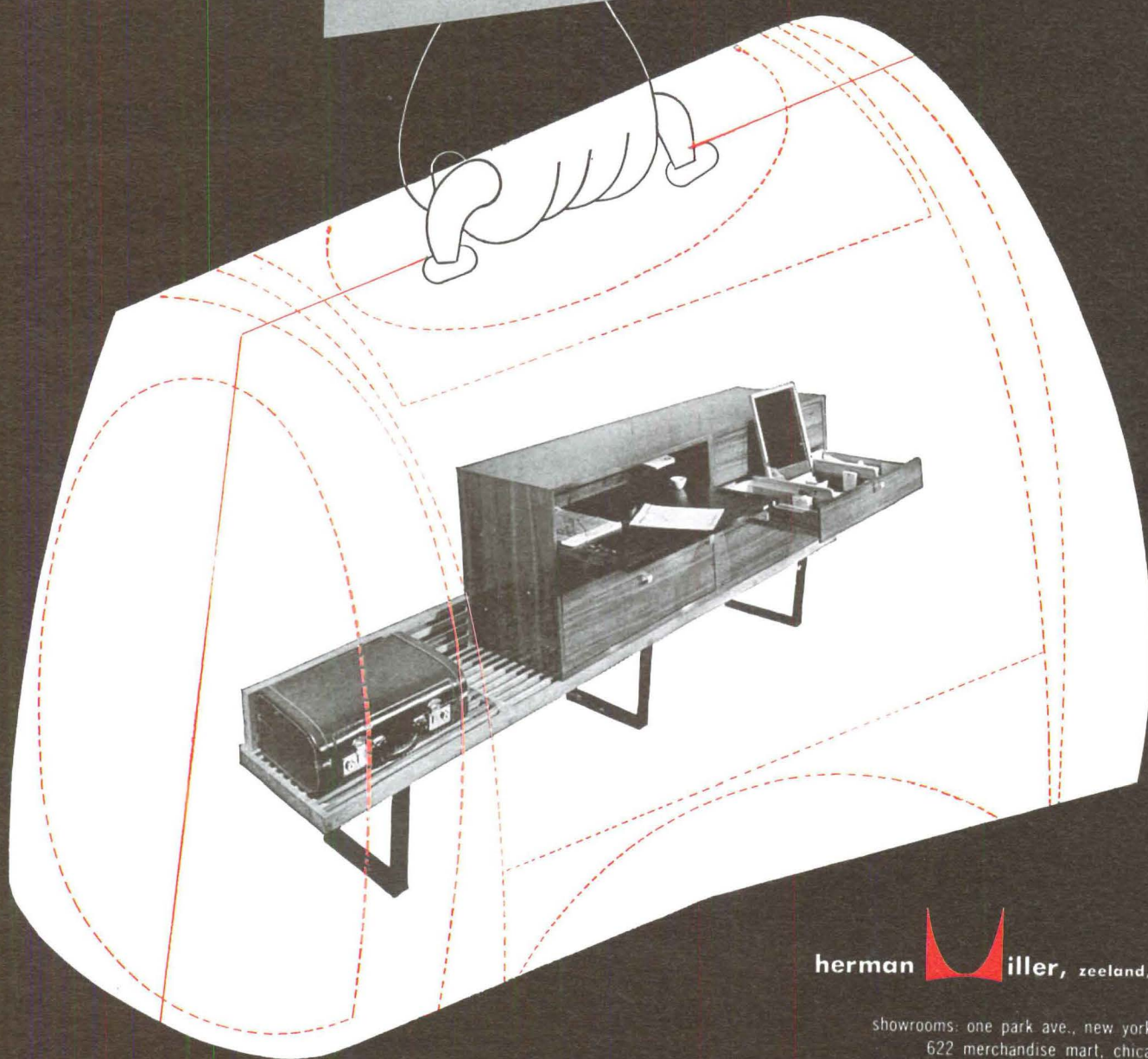
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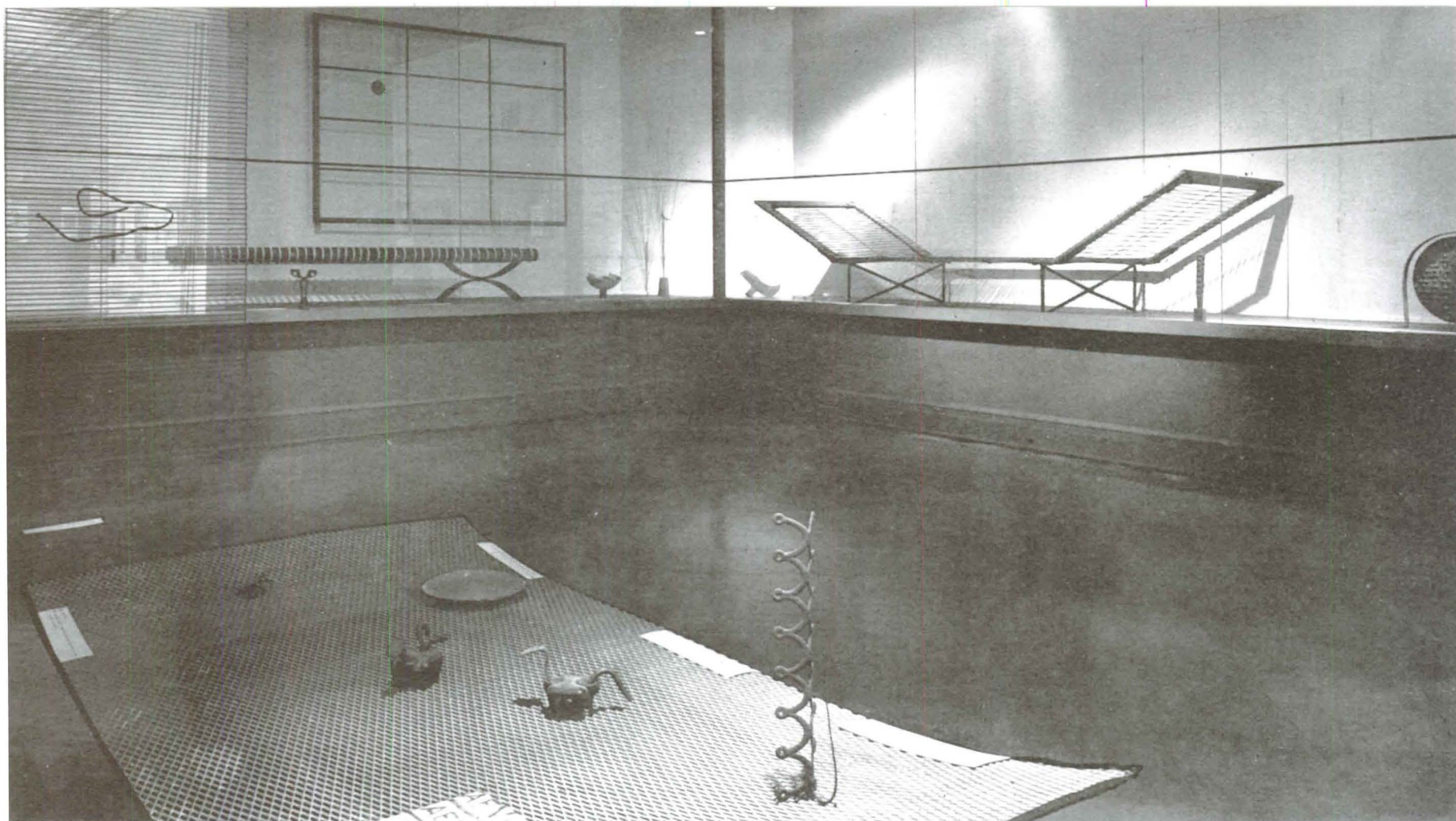
It is naturally our greatest hope that here the hypocrisy of the lie, used as a political or as an ideological device, can be exposed by a body of truth maintained and clarified and disseminated by an objective agency composed of the representatives of all men at the level of their best science and philosophy and humanity.

Of the many segments of UNESCO's activities the World Health Organization, made up of practical people whose task it is to fight disease—the mental and physical enemy of man—is making its great contribution to peace. Its working personnel, whose member states have united in accepting the definition of health as a state of complete physical, mental and social well-being, believe that health is a positive thing, not merely the absence of disease and infirmity. Since its inception it has fought for the attainment by all peoples of the highest possible level of health, in the belief that health is decisive for world peace. Dr. Brock Chisholm, now the Director General of the World Health Organization, has this to say:

"Today the greatest challenge to humanity is man himself. Throughout human history men have been fighting wars. Yet we must not accept this as the nature of things.

Other expressions of human nature have undergone basic changes. Why then cannot this? We may not be able to completely change human nature, but we can modify it in the right direction. The responsibility for trying to safeguard the human race against itself rests with science. Together with other sciences psychiatry must try to shape another future for humanity. * * *

But mental health is only one half of the world problem. We have experts combatting avoidable diseases which every year claim hundreds of millions of victims, whose sufferings prevent them from cooperating as active world citizens. * * * Half the people in the world are illiterate, and in underdeveloped areas where campaigns against disease are carried on Unesco and the World Health Organization are fighting together for a new and better civilization."



The photograph above is taken from the position of a small exhibit table on which are 'found object' sculptures; two 'dinosaurs' made from cable clips, spikes, steel shavings; a 'standing insect' made from an ornamental iron corner; a test glaze tile, the glazes painted on in their factory numbers (reads, 'AEV-1, AEV-2, TV red'); a ceramic plate with calligraphic line scratched through glaze; a small 'insect' made from a piece of expanded metal. In the case, right, is a disk of steel floor tread, with selected form painted to make underwater scene. In case, front, is a hammer handle with grip indentations cut in a variation of the rhythm found in Brancusi's 'Endless Column.' Left, is outdoor couch, of oak, steel, and heavy cording, exhibited without mattress to show the lightness and transparency possible in a sturdy piece of furniture. The back corner left, contains a 'seal' made from a steel brush hook, with the haft band opened to form flippers; and a 'head of grain' made from a steel augur bit and bessemer rod.

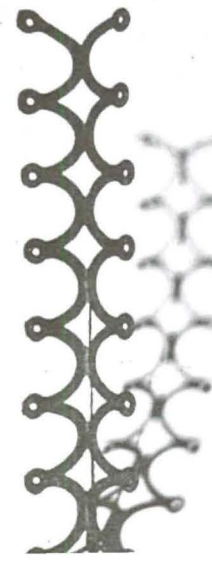
The photograph, on the opposite page taken

through the vertical rods of the mobile sculpture 'Seashaft,' shows the south wall with photostats of work illustrating, from left to right, creative use of typography, calligraphic drawing by Steinberg and Steig; a 'found object' sculpture by Picasso; a Klee, and a screen painting from New Guinea, both of which use compartmented space as a field to motif the paintings; and a sculpture by Giacometti. In the case, left, a found object sculpture made from wire grating; a small table made from maple cutting board and shelf-bracket legs. Just off the table's surface, hangs an earring of balled gold and steel wire, containing a pearl. On the table top, a bracelet, used as an example of articulated, compartmented space. The large hanging before the case is a steel conveyor belt; a strainer, a bent steel bolt used as compositional elements. Just away from the back wall of the case hangs a stock size steel sash. Beneath is a bed, constructed with steel pipe, rope, and heavy duty auto spring leaves. Center front of bed is a small figure made from a gasket,

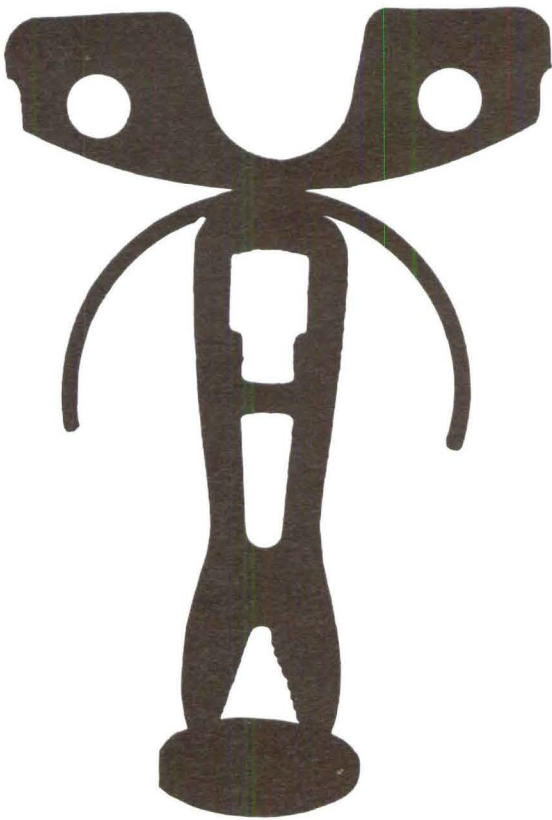
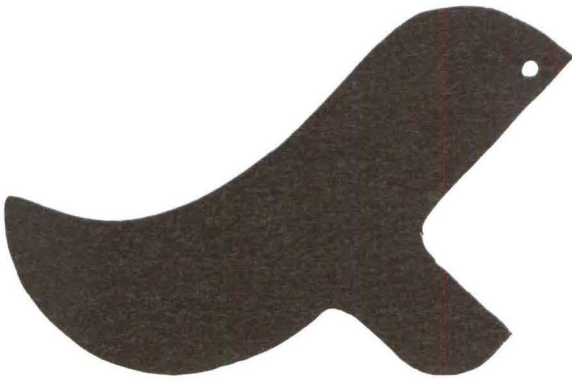
a broken piston ring, a fixed-type wrench. Right of bed is a heavy, galvanized strainer used in marine dredging.

This exhibition recently held at the San Francisco Museum gave verbal and objective illustration to some prevalent concerns of the visual artist of today. Reproductions of works by Brancusi, Giacometti, Picasso, Paul Rand, Steinberg, Klee, and others, were shown in conjunction with objects in jewelry, furniture, and sculpture. These were supplemented by text and by detailed labeling for each object. Preoccupations with space, thinness of forms, transparency; with compartmented space, and rhythmical repetition of elements; with calligraphic quality; these were the basic topical divisions of the exhibit. The smallness of the gallery, and the absorption potential of the gallery visitor limited what could have been a very complex and inclusive treatment.

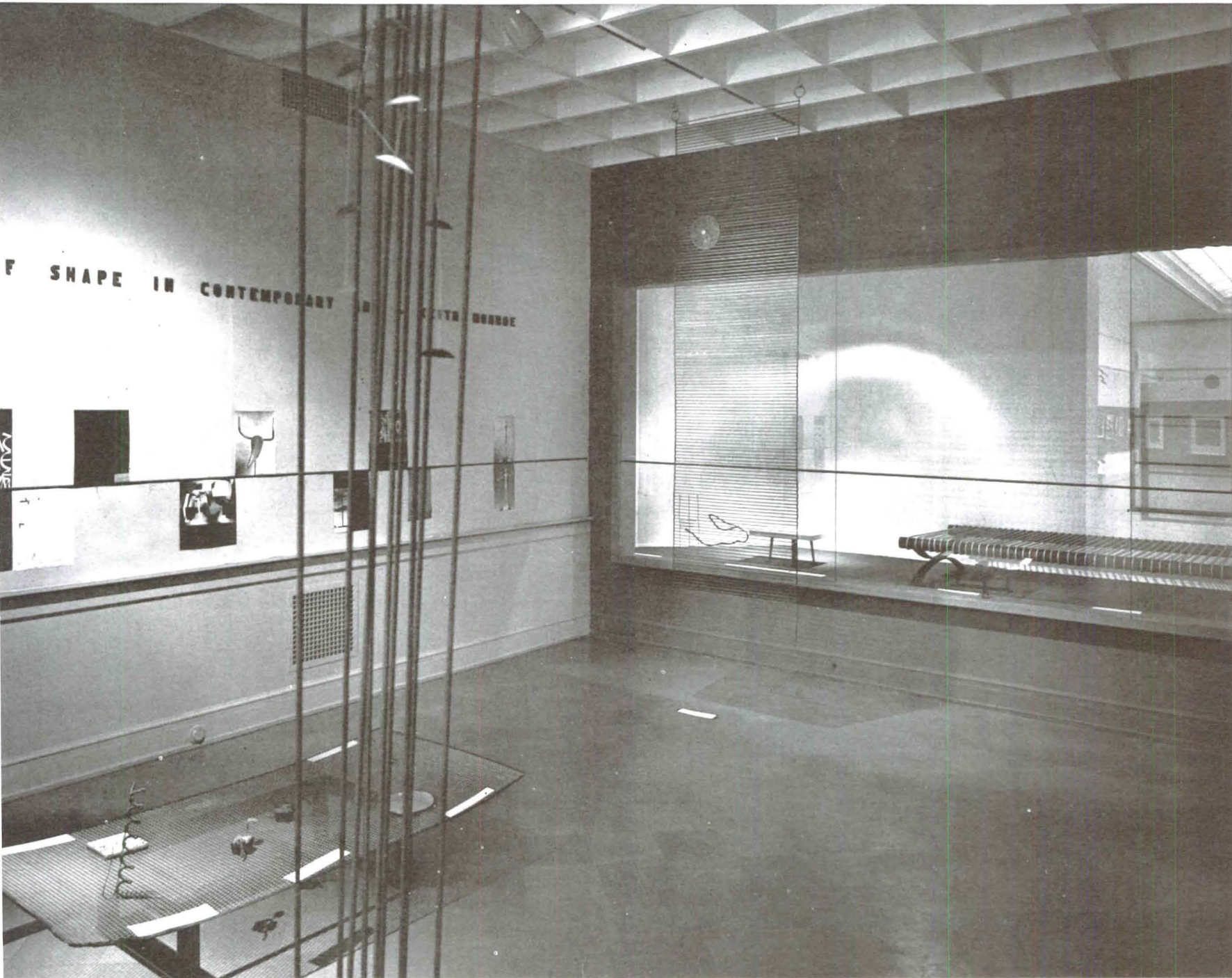
The installation of the show was as important and illustrative of the subject matter as were the objects themselves, and the space of the gallery was made to work in support.

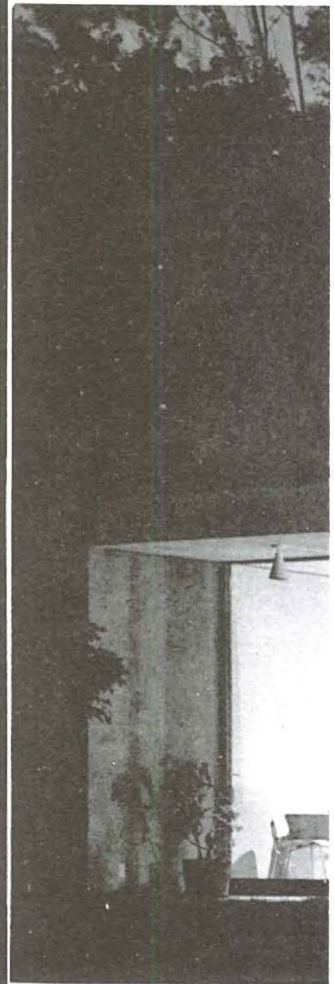
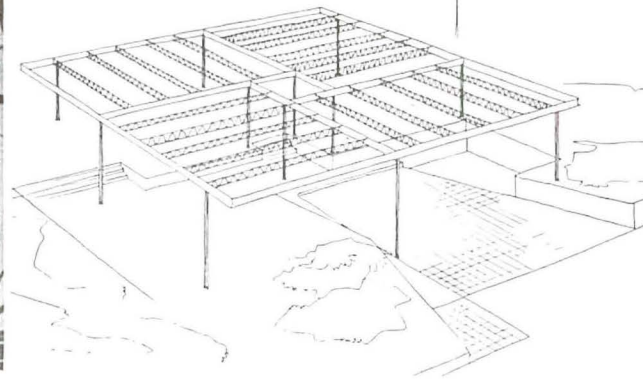
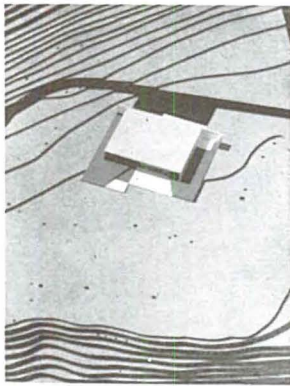
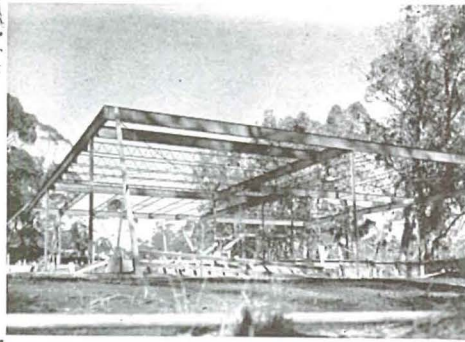
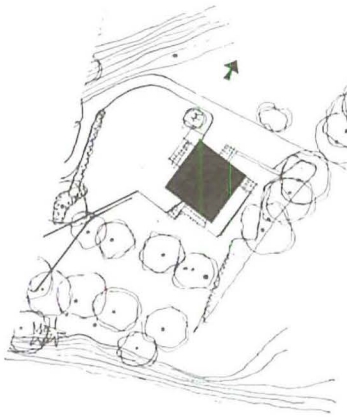


"Furniture should not interrupt the floor plan of a room. The intersections of the floor with walls, room corners where ceilings walls and floor intersect—these are important architectural events, and should be given a clear stage. Furniture can help and not hinder these events by having minimum contact with the floor. Metal legs give adequate support with little volume and space obstruction."—Keith Monroe.



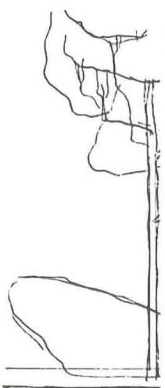
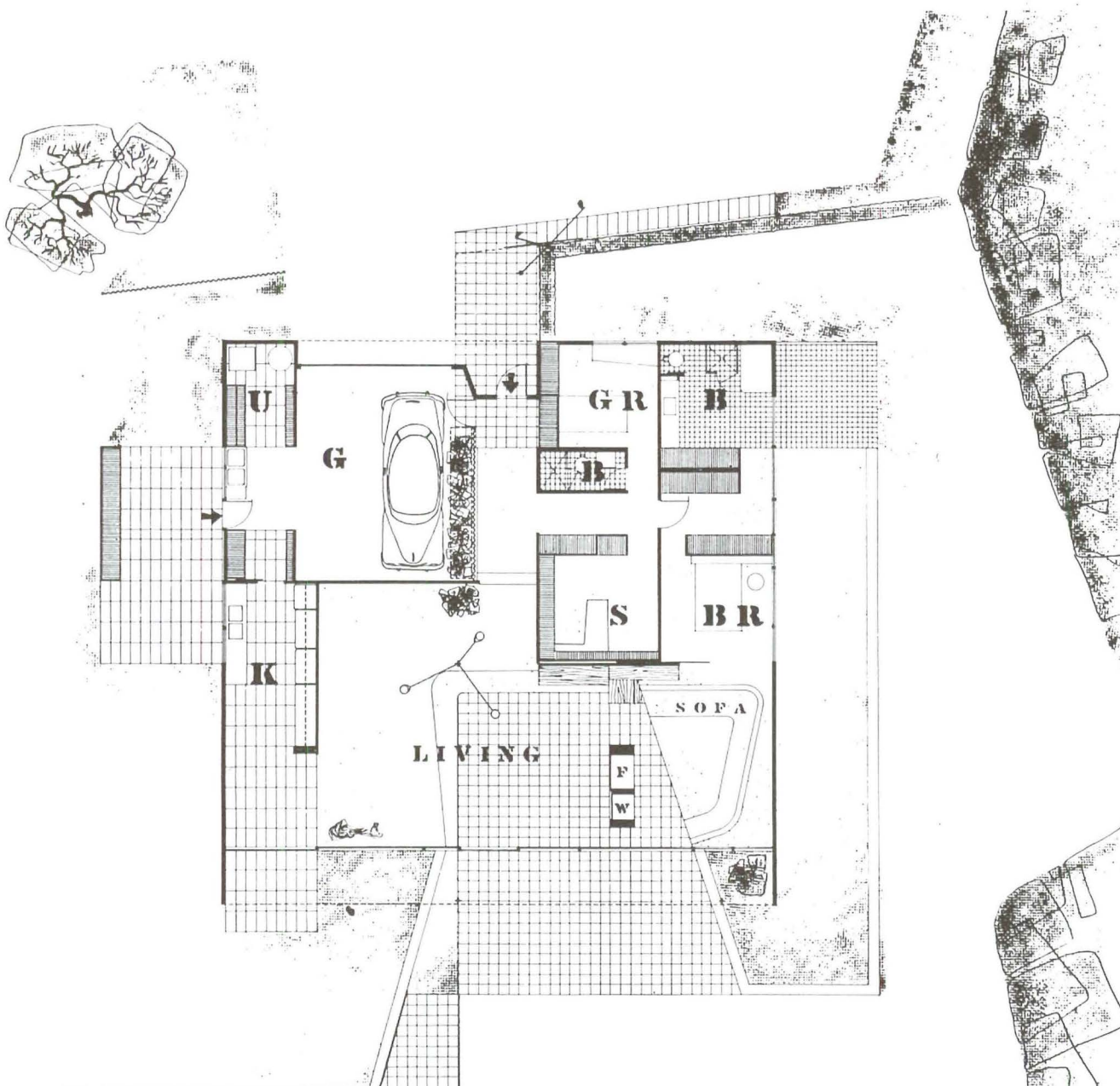
ORIGINS OF SHAPE IN CONTEMPORARY ART BY KEITH MONROE





C A S E S T U D Y H O U S E

A HOUSE DESIGNED AND BUILT FOR THE MAGAZINE ARTS & ARCHITECTURE

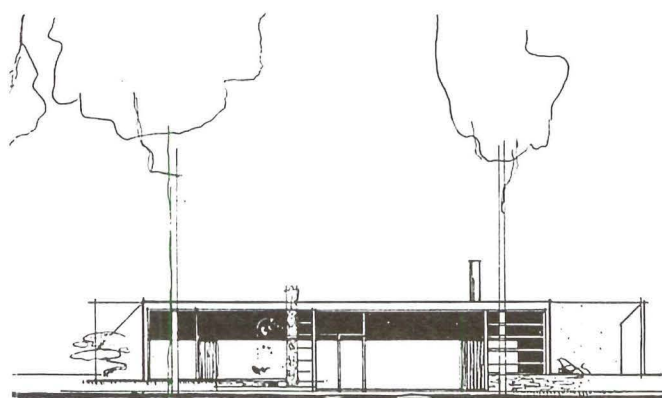


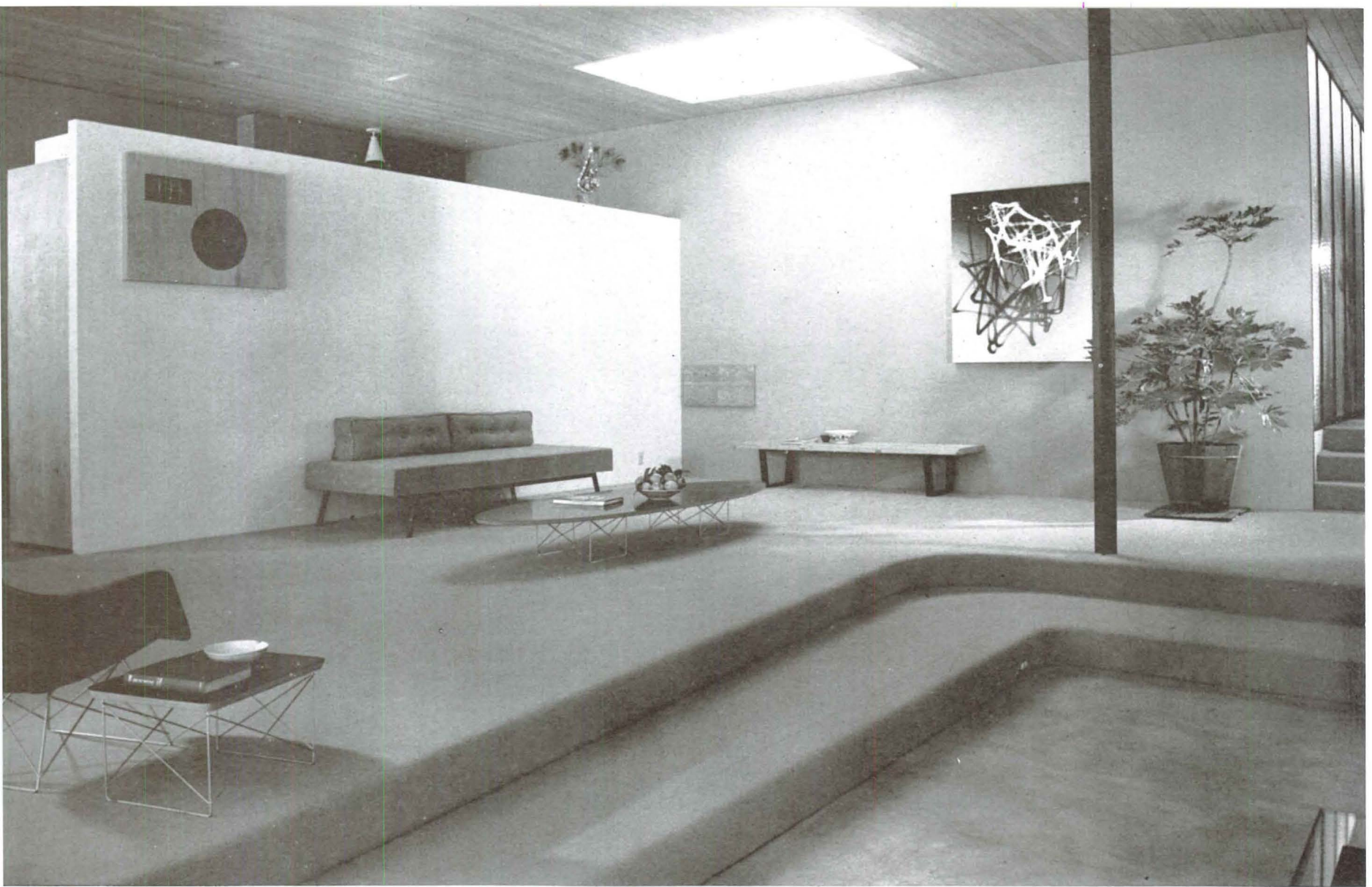


architects

C H A R L E S E A M E S

E E R O S A A R I N E N





This house planned as a project for the Case Study House program was first published in the December 1945 issue of the magazine. In its final realization it has not substantially changed in general plan or idea. Oriented on over an acre of meadow that looks to the sea, it incorporates the land as a part of the living scheme, depending upon this interrelationship for an extension of its space feeling and establishing an intimate association with its natural environment. There is a direct and unobstructed view across the meadow through old trees to the Pacific.

In general, the purpose was to enclose as much space as possible within a reasonably simple construction. Four steel columns in the center are so placed as to allow cross bracing as well as continuity, with most of the joist load transmitted to the outer rim of the rectangle, all carrying members inside bearing a fairly light and equal load.

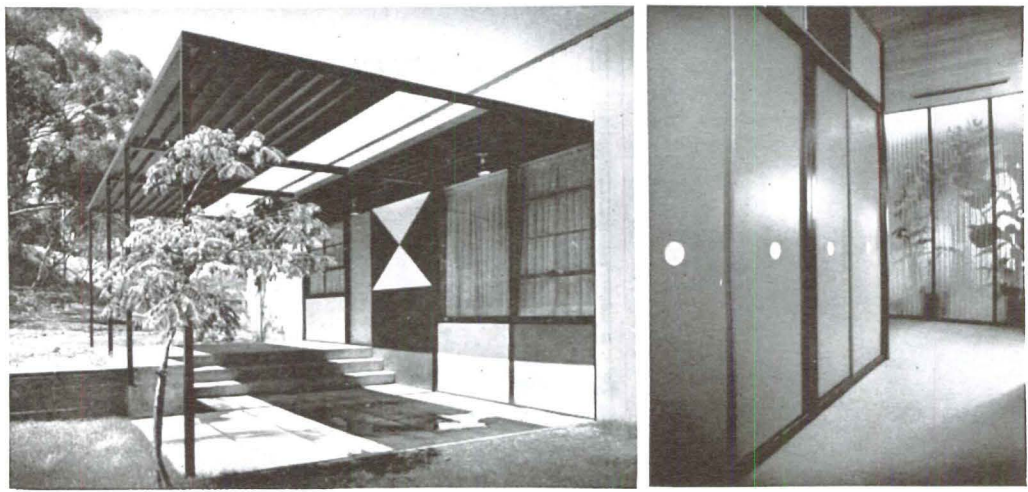
The large social area has been designed to serve separate or organized activities and divides naturally into the basic requirements for eating, living, entertaining, and conversational exchange with few or many.

In preparation the house progressed from idea to drafting board, to model, to reality, with remarkable clarity of purpose and with a sure

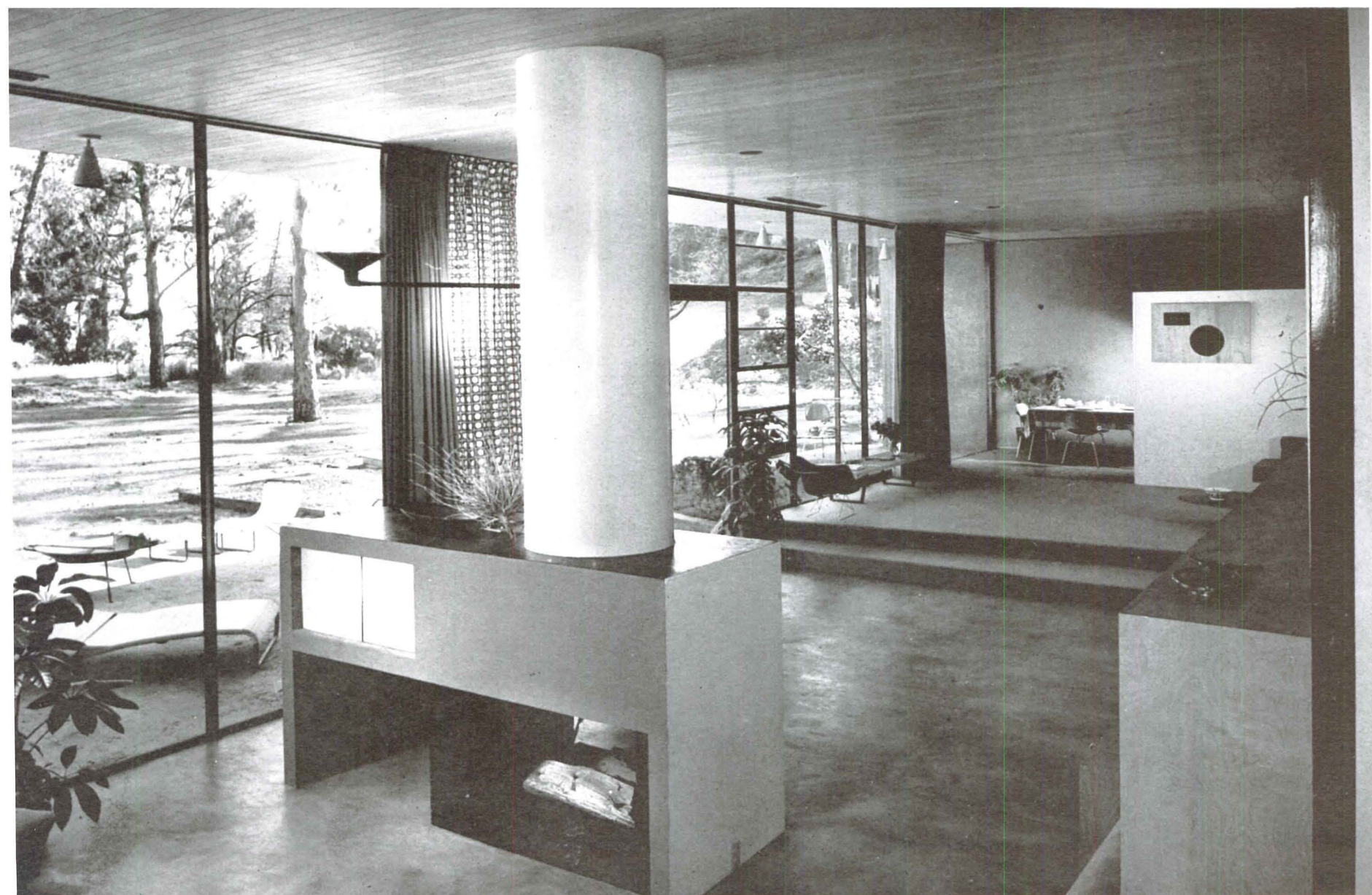
sense of concept, which when completed lacked utterly that sense of stunned surprise that very often confronts those who see their handiwork complete and real for the first time. All this came very probably from a consistency of idea and purpose which created and carried the whole to completion. There is, of course, a sense of delight and discovery—however, for those of us who have worked with it, it is not surprising that it is beautiful and satisfying, and, in the best sense, integrated and complete within the limits defined by the need and the purpose and the objective.

This house like the other (which is a part of the same overall project) is, among other things, the statement of an attitude, and, as such, we are very proud of it, and feel that within its reasons for being it is immensely successful.

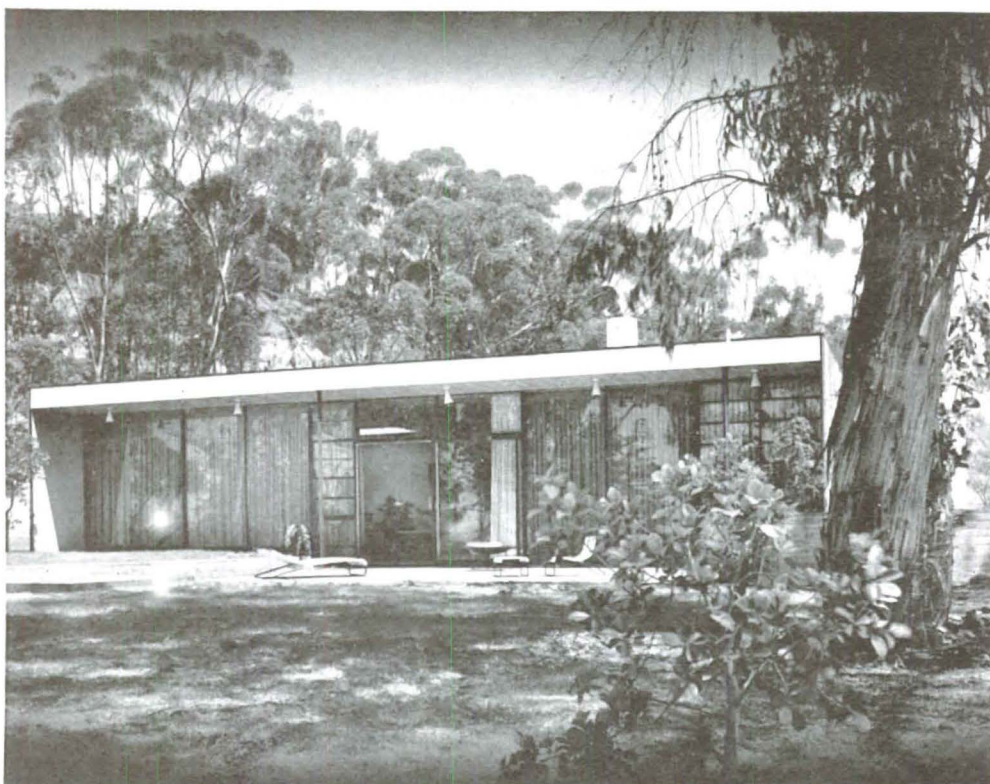
As is usual in such projects, it has, of course, in the actual construction been subjected to innumerable vicissitudes and a host of the customary occurring and recurring problems. However, it is one of the wonders of all such undertakings that they get done at all, and in this case we are deeply gratified that, having done it, it is not only successful structurally but that it is also a beautifully created human environment.



Opposite page: Living area from lower level with expanse of beige carpeting by Alexander Smith & Sons. Allen Rubber-Loc rug cushions with Roberts Tackless Carpet Strips were used. The skylight is screened with pylon plastic. A light painting by Herbert Matter hangs on the far wall; bench by George Nelson for Herman Miller. The speaker housing containing Altec Lansing equipment, designed and installed by Kierulff & Company, is on the wall dividing this area from the k'tchen. The sofa upholstered in tangerine wool is designed by Van Keppel-Green; chair and coffee table by Charles Eames. Above, left: Structure over service entrance of steel and ferroboard roofing material; right: View of hallway to bedroom area looking to corrugated glass wall, showing Truscon steel closets with sliding doors. Below: View from seating area showing fireplace in foreground.

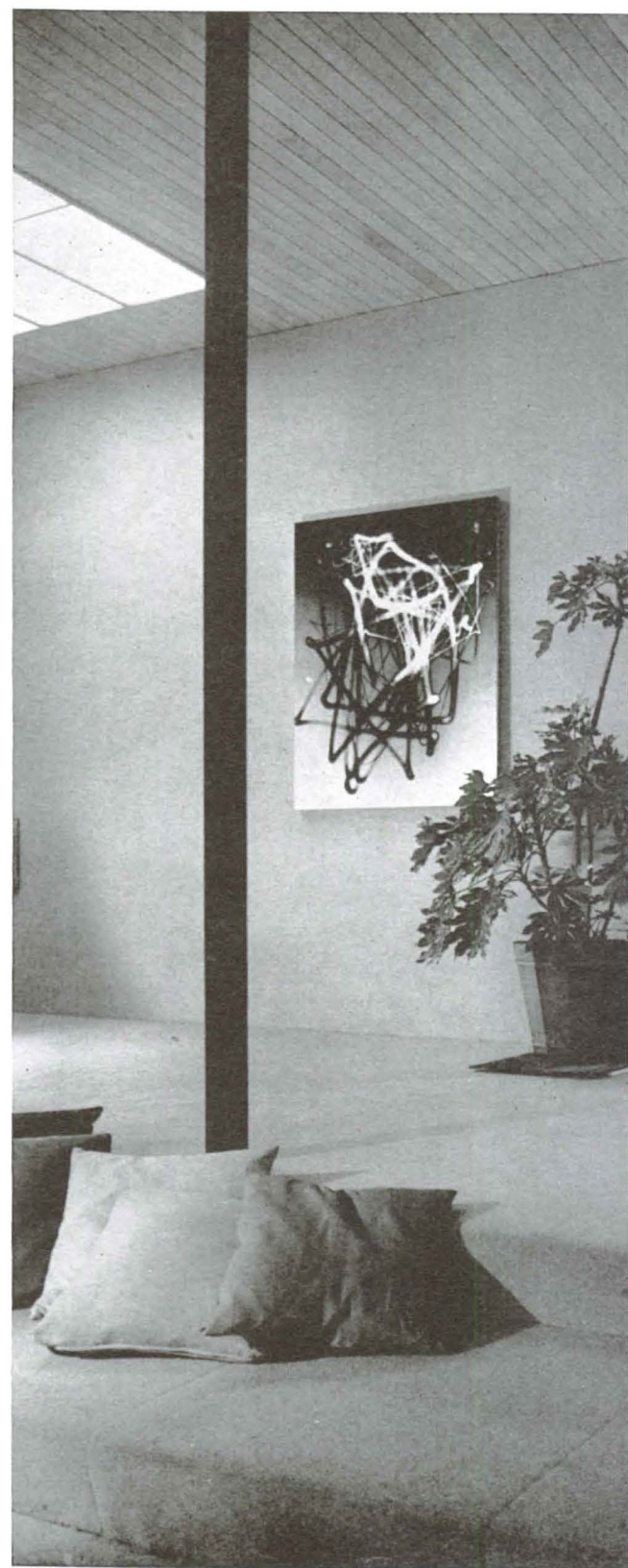


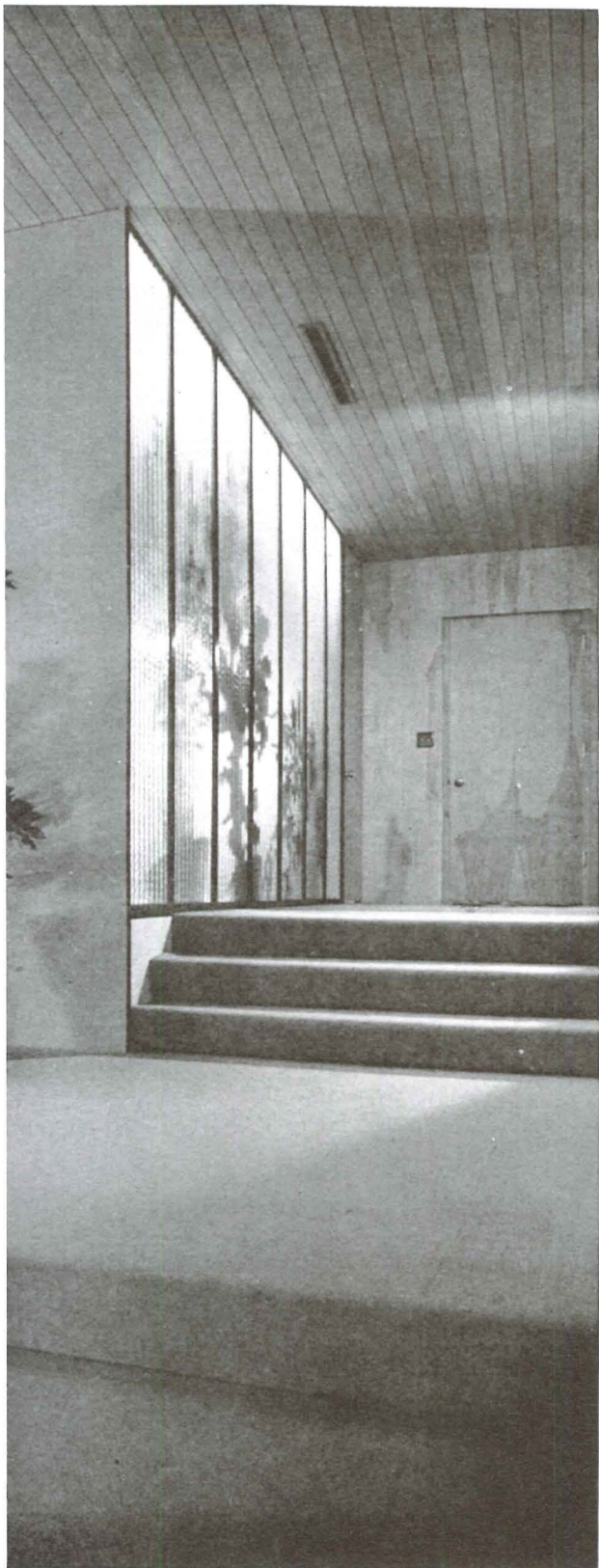
CASE STUDY HOUSE



Top: View of the house from a man-made mound showing the service entrance and a far view of the large living terrace backed by a concrete block wall. The siding of the house is Truscon Ferroboard painted gray. Center: Meadow side of the house showing wall of glass by Libbey-Owens-Ford with Truscon steel window framing. Bottom: East side of the house showing windows from master bedroom and bath, bathroom terrace, and wall of Rocklite lightweight building blocks. Section of living room wall of Ferroboard siding painted in alternate stripes of white and gray. All landscaping and interior plants by Evans & Reeves Nurseries. Opposite page: View from living area showing the carpeted sitting steps and lower level Diato flooring immediately adjacent to the terrace. The square glass top table is designed by Edward Wormley for Dunbar Furniture Company; the molded chair by Charles Eames for the Herman Miller Company; on the terrace a large Hawk brazier and Van Keppel-Green outdoor chaise.



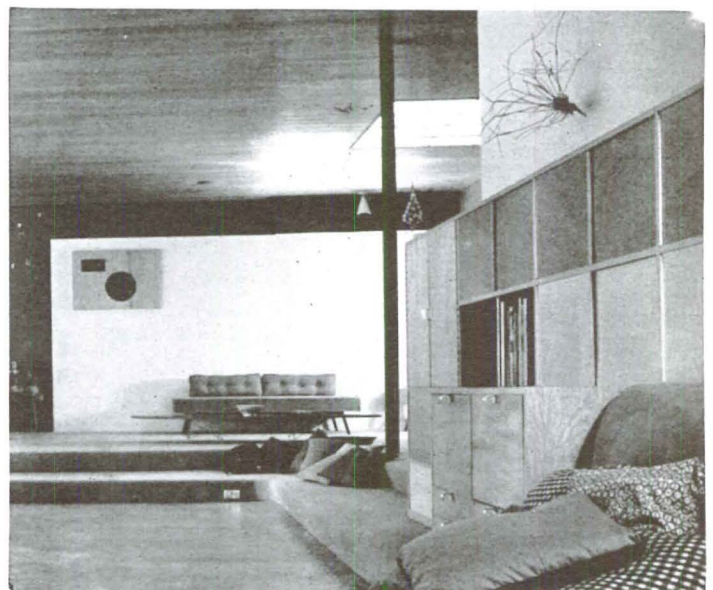




General Contractor: Paul Lamport

Landscaping: Evans & Reeves Nurseries; Heating: Affiliated Gas Equipment, Payne Furnace Division; Furniture: Frank Brothers, Van Keppel-Green, Herman Miller; Hardwoods: Penberthy Lumber Company; Paints: A. C. Horne & Co.; Garage floor paint: Plastik Company of America.

Beginning August 12 until September 3, 1950, the house will be open from 2 p.m. to 6 p.m. Saturdays and Sundays.







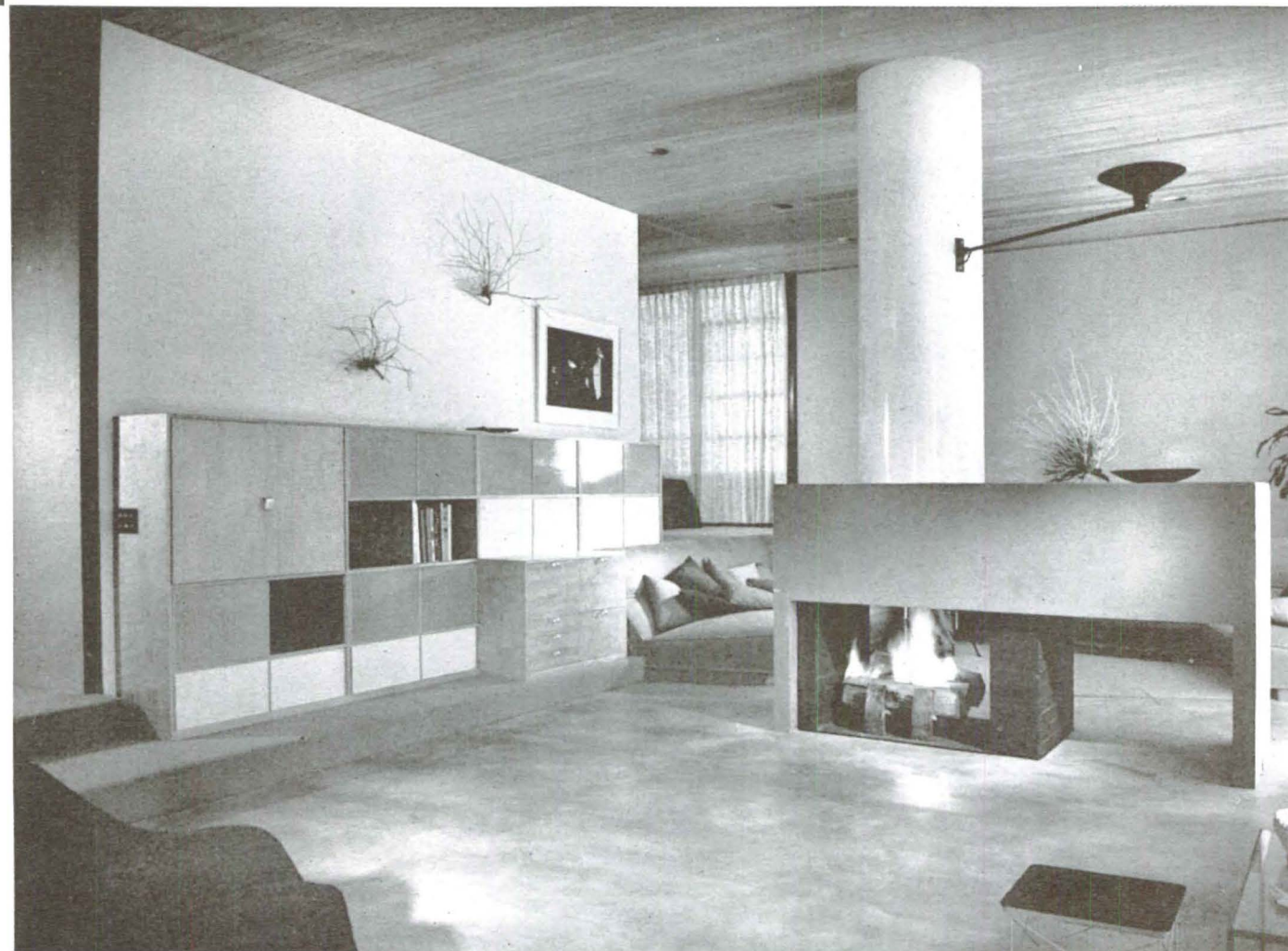
Views from the seating area showing the sliding wall of the upper level bedroom both open and closed. The track for the sliding wall is by Grant Pulley & Hardware Company. The built-in seating arrangement is covered in imported Belgian linen and was upholstered by C. W. Hennell & Son. Below: The record storage cabinet and control system containing Webster record changer and Newcomb amplifier from Kierulff & Company. The house is equipped with a Talk-O inter-communication system installed by Jewell-Summer Company. Sliding panels in the record cabinets are Plyon by Swedlow Plastics Company.



CASE STUDY HOUSE

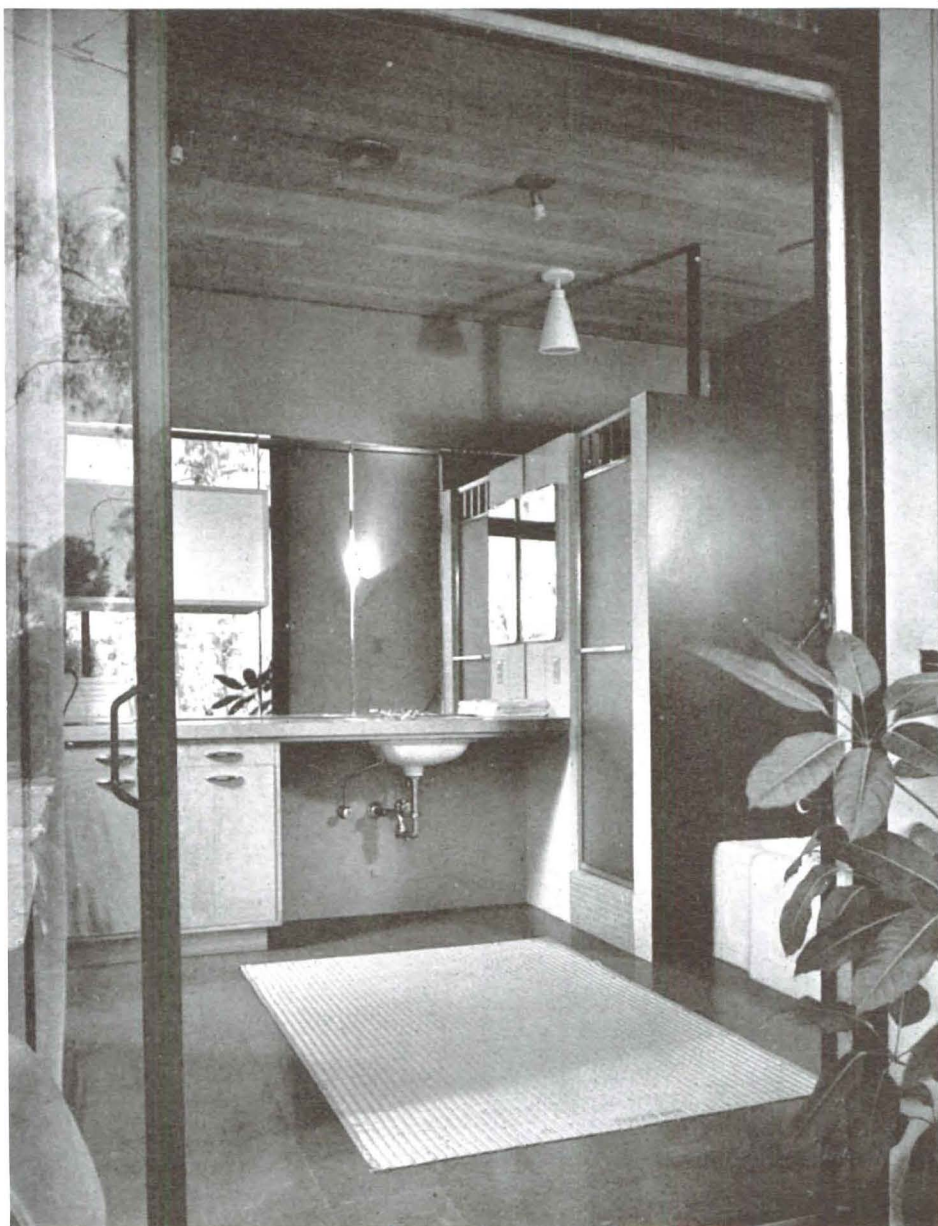


Opposite page: View showing carpeted area in relation to the fireplace level. Large chair by Eero Saarinen for Hans Knoll. The ceiling which is continuous throughout the house is of habillo from Penberthy Lumber Company and lighting enclosures contain equipment from Century Lighting Company. The patterned draperies are of "The Squared Circle" by Laverne Originals. The plain draperies are of beige wool by Deering-Milliken. All drapery hardware by Kirsch; the draperies were made by Frank Bros. Ceiling heating vents are air diffusers by Air Factors used in conjunction with the Payne Forced Air Heating System.

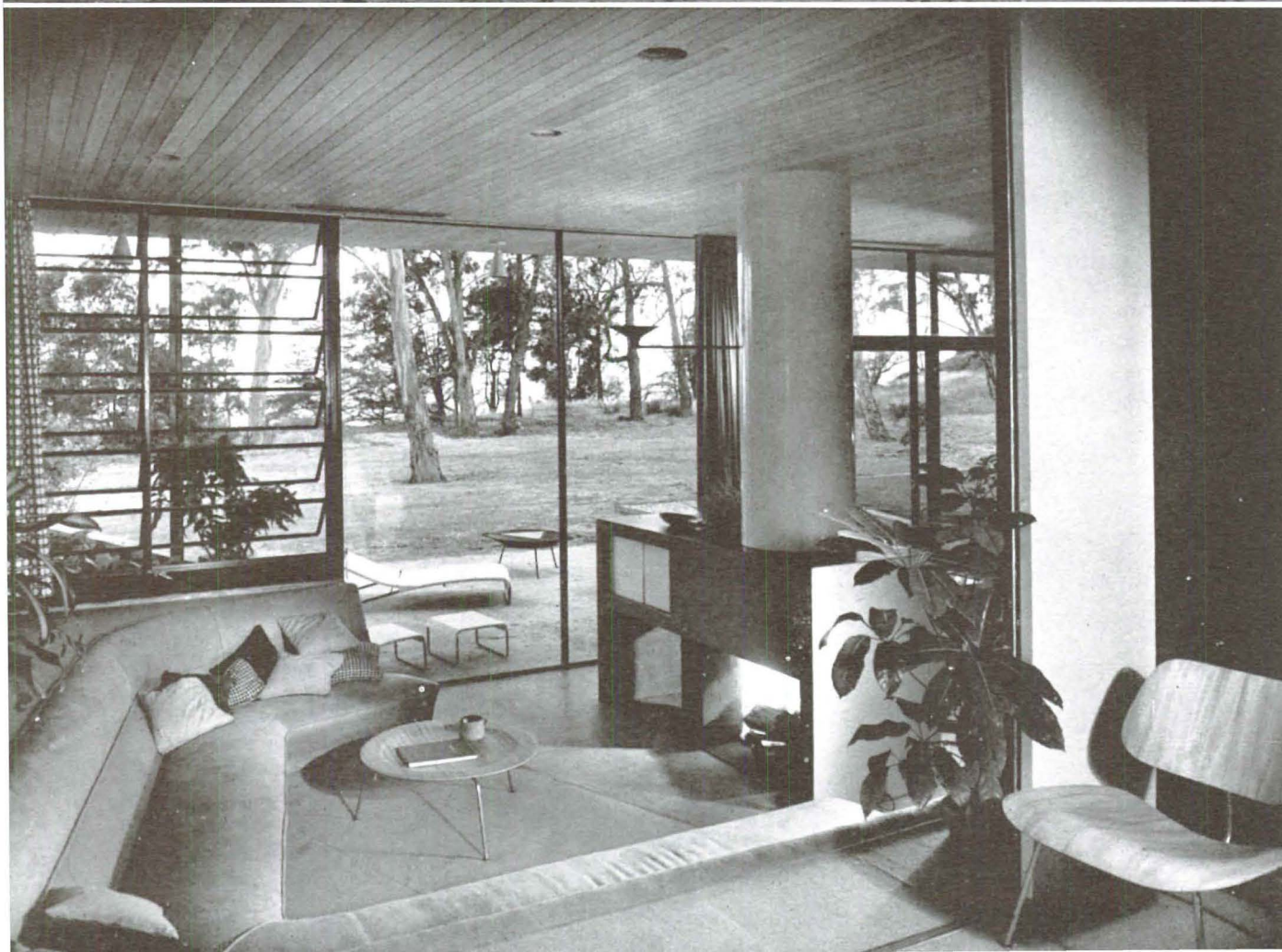
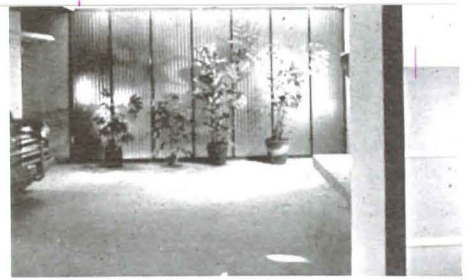




CASE STUDY HOUSE



Opposite page: Sink area of the kitchen with Kaiser hydraulic dish washer and Kohler double sink. Berger steel cabinets have counter tops of Formica. Electric range and refrigerator are Nash Kelvinator, and all appliances are Sunbeam. The kitchen flooring is Voit rubber tile and meets the Diato mastic surfacing of the dining area floor. All bathroom fixtures are Kohler.



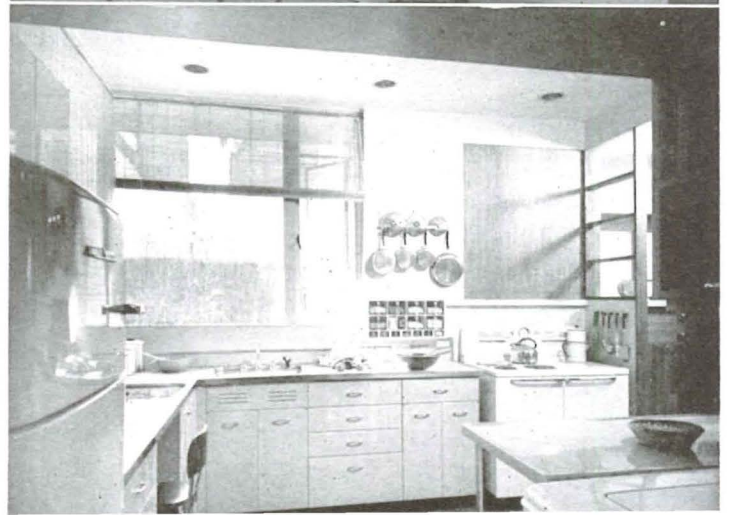
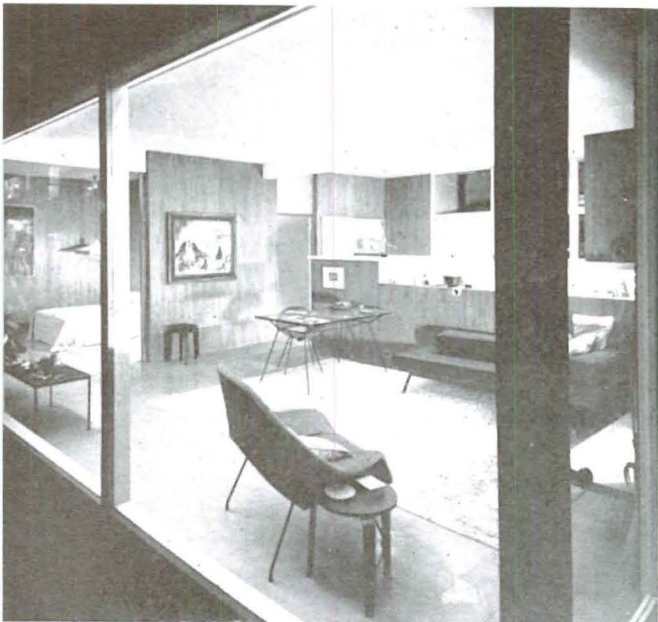
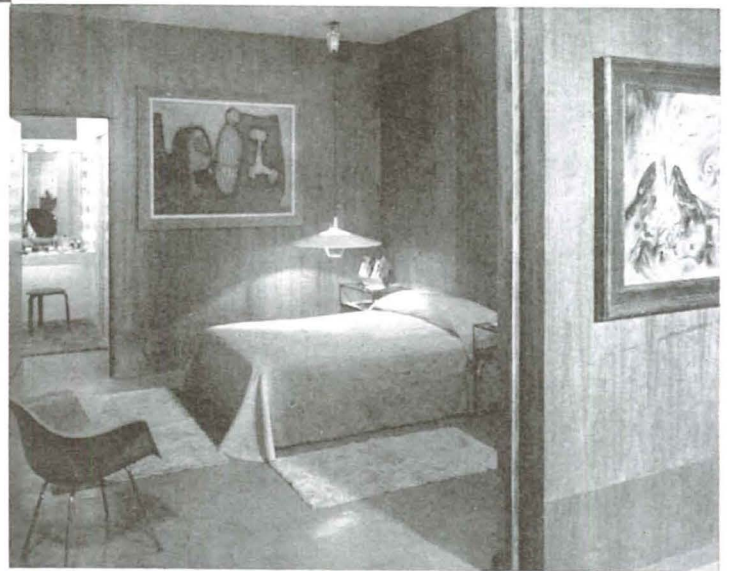
Opposite page: Meadow side of the house showing the terrace looking toward the sea. The outside lighting fixtures are from Gotham Lighting Company; terrace is surfaced with Laykold asphalt. Below: From the bedroom with sliding wall opened. Upper right: Looking into garage from the service section to a planted area against a wall of Mississippi corrugated obscure glass. This page, below: The fireplace area showing Truscon architecturally projected windows with movable sash. The face of the fireplace is painted a lively orange-red.

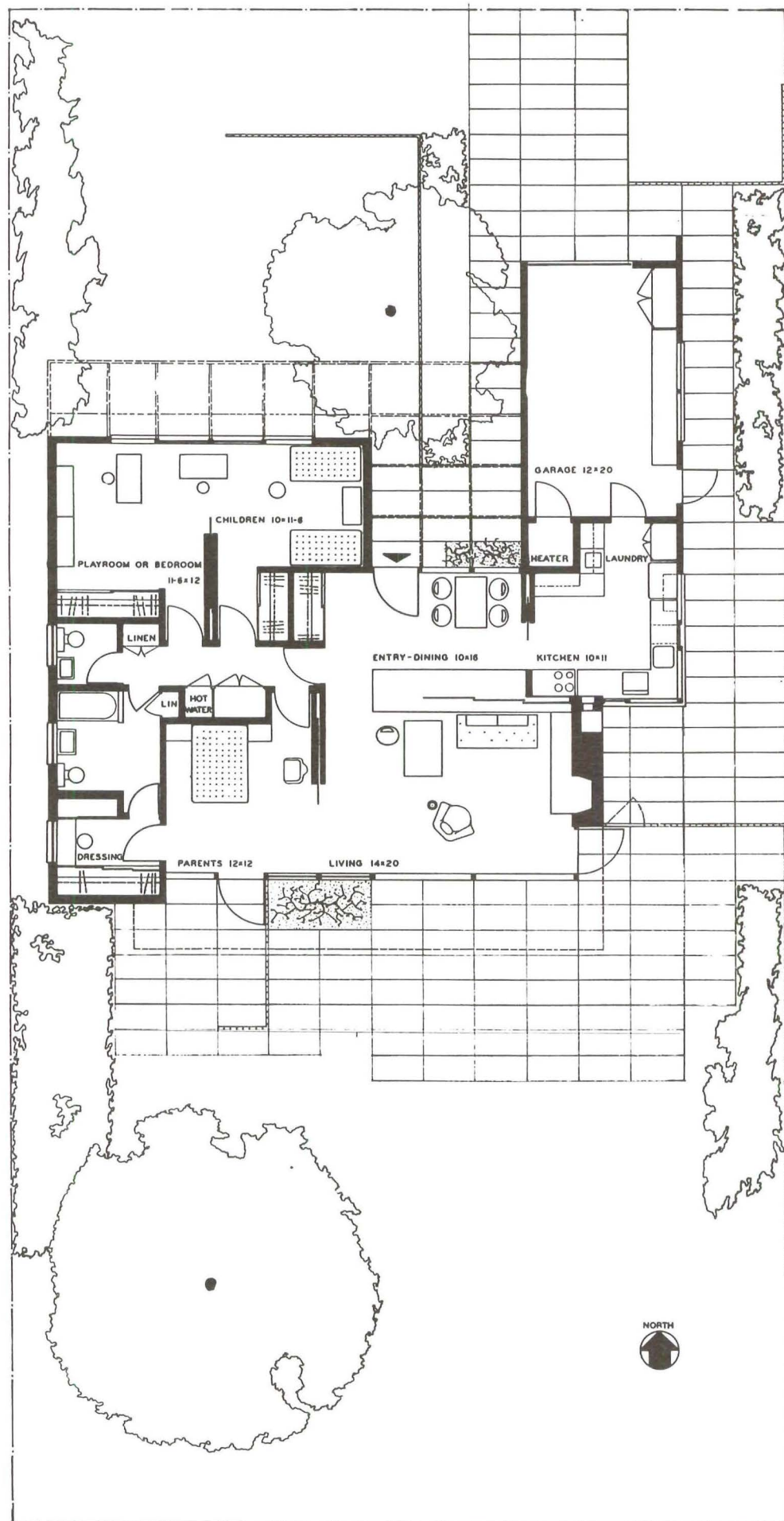




photographs: Ezra Stoller

AN EXHIBITION HOUSE AT
THE MUSEUM OF MODERN ART
DESIGNED BY GREGORY AIN
architect





Built by the Museum of Modern Art in cooperation with the Woman's Home Companion, this house attempts to show that good modern architectural design is possible in the speculatively built house, of the kind lived in by most Americans. The house was conceived as one of many in a subdivision and designed for a lot approximately 60 feet by 120 feet, a typical lot size in many real estate developments. Irregular setbacks and the two-level roof were designed so that, if repeated in a street pattern, the result would avoid the flat monotony characteristic of so many real estate developments. The rooms have been planned so that no major windows face neighboring houses. A system of exterior screens helps create areas of privacy in the gardens.

The siding is of striated Douglas fir plywood. A trellis on the street side continues the line of the garage roof, repeats the horizontal line of the main roof and ties the two wings of the house together. Obscure glass—blocking vision but not light—in the windows next to the front entrance gives privacy to the dining area and living area. On the garden side a glass wall makes the terrace continuous with the living room. Obscure glass in the windows gives privacy to the parents' bedroom, which has a separate door to the terrace. The service door from the garage connects with the kitchen.

The house has three bedrooms, dressing room, 1½ baths, living room, dining area, kitchen-laundry combination and garage. The outstanding characteristic of the floor plan is its spatial flexibility which is achieved by the use of several sliding walls and panels. The living room, dining area, parents' bedroom and kitchen can all be thrown together to form one living area or they can be subdivided for privacy. Similarly the children's rooms can be used as one large bedroom-playroom or as two separate rooms. The unusual ceiling height of 9 feet emphasizes the airiness of the interior. One flooring material and one ceiling material are used throughout the house and one type of wall paneling in each area.

The paved terrace on the garden side and the wide overhang above contribute to the sense of continuous interior-exterior space. While all the rooms and living areas are characterized by this openness, the storage and service areas are compactly planned and tightly grouped together for economy of construction. They also serve as a sound baffle between children's and parents' quarters.

The house is built on a concrete floor slab, designed for the coils of a radiant heating system. The frame is of standard wood construction. Exterior siding, sheathing and all interior wall surfaces are of plywood. Gypsum board panels have been used for the ceilings, plastic tiles for the floors. The dry-wall construction is protected by a fibre-reinforced sheathing paper on the outside and insulated with a reflective material, which also acts as a vapor barrier on the inside. The roof is further insulated by white granite pebbles on top of the composition roofing material.

The chimney is faced with Roman brick and its raised hearth built of soapstone. Most of the glass is fixed, but each room also has an operating sash for ventilation. Plumbing fixtures, bathroom accessories and hardware were selected for efficiency, simple design and moderate cost.

The living area itself, the master bedroom, the dining area and kitchen can all be thrown open into one large space, 32 feet long and 24 feet deep.

The neutral shades of natural wood, the gray floor tiles and various grays of the painted surfaces form a backdrop for the bright color accents of paintings, fabrics, books and accessories.

Furnishings were selected to fit into the price range of the house, and each piece is available in stores carrying modern design.

Indirect fluorescent strip lighting above the hangings at the windows and along the top of the book shelf supplements the lamps.

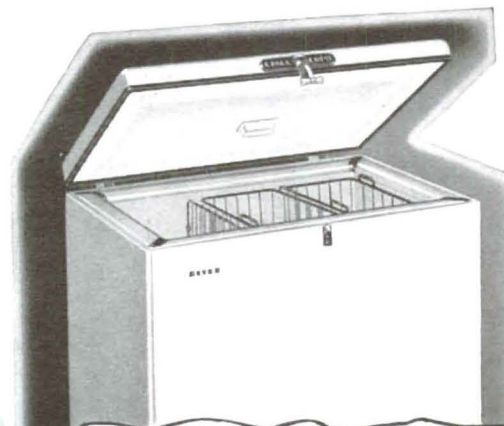
The dining area is near the front entrance and thus uses space which is often wasted. It is separated from the living area by a 4½-foot built-in storage cabinet for china, glassware and

(continued on page 50)

MERIT SPECIFIED FOR 1950

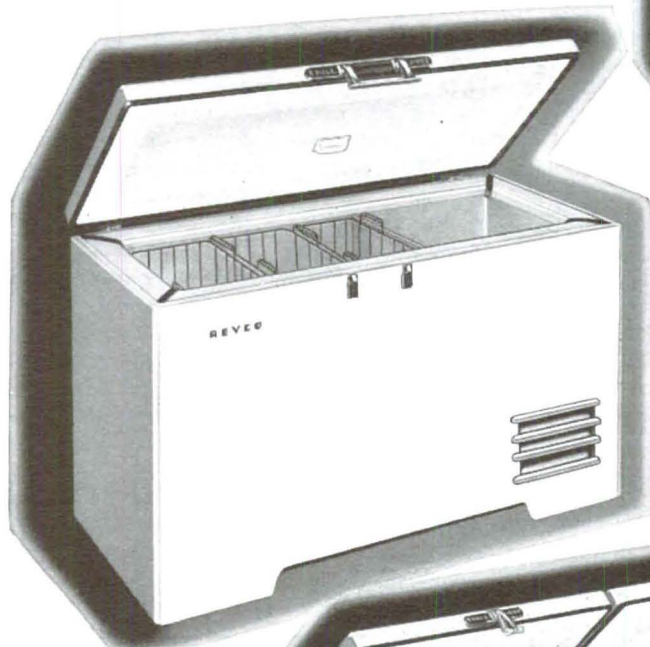
CHILL CHEST

FOOD FREEZERS



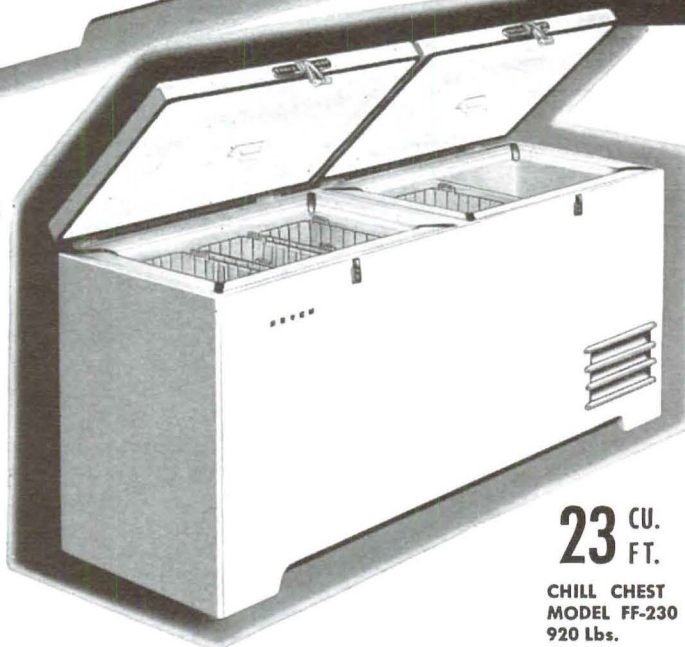
8 CU.
FT.

CHILL CHEST
MODEL FF-81
320 Lbs.
Capacity



15 CU.
FT.

CHILL CHEST
MODEL FF-150
600 Lbs.
Capacity



23 CU.
FT.

CHILL CHEST
MODEL FF-230
920 Lbs.
Capacity

LARGER CAPACITY

IN LESS SPACE

LOWER PRICE

PER CUBIC FOOT

The THRIFTY buy in '50!



NEW EXCLUSIVE FEATURES . . .

Take a look at almost any line of food freezers — they look alike, but check their storage capacity, cabinet size and features with Revco Chill Chests. Yes, You'll be amazed! Chill Chests are bigger inside to give you more food freezing and storage capacity. The Chill Chest line of 8, 15 and 23 Cu. Ft. Models compare both in price and outside dimensions with average 6, 12 and 20 Cu. Ft. freezers of other makes.

Then look at features that keep a food freezer "ticking"! Compare how fast the freezer pulls down to zero . . . check cabinet construction features that assure safe low-temperature over longer periods for most economical performance.

Chill Chest's exclusive design and proven engineering methods give you many distinctive advantages like the chip and rust-proof Aluminum Fast-Freezing and Food Storage Compartment . . . Frost-Free Seal Zone that provides the perfect lid seal . . . Easy-Lift Food Baskets with plastic wrapped handles. Yes, dollar for dollar, feature for feature the Revco Chill Chest line offers "the THRIFTY buy in '50'!"

For Better Living . . . For Less
It's the CHILL CHEST way that . . .
Saves Time, Saves Work, Saves Money!

WRITE
FOR
LITERATURE

Revco INC. • DEERFIELD, MICHIGAN

PRODUCTS MERIT SPECIFIED FOR EAMES-SAAIRINEN CASE STUDY HOUSE

Following is a classified directory of literature and information regarding products which were merit specified for use in the Eames-Saairinen Case Study House shown in this issue. To obtain a copy of any piece of literature or information regarding any product, list the number which precedes the item about it on the coupon which appears in the Currently Available Product Literature & Information section, and give your name, address, and occupation. Return this coupon to Arts & Architecture and your requests will be filled as rapidly as possible.

APPLIANCES

• (979) Cabinet Sinks: Folder, data sheets Morton cabinet sinks; one-piece top die-formed metal finished with acid-resisting porcelain enamel; 42" to 66" widths, double or single sinks, drainboards, chrome fittings; cabinets heavy gauge furniture steel bonderized and enameled; exceptionally well designed, engineered, fabricated; merit specified CSHouse 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

• (426) Clocks: Information contemporary clocks by leading designers, including George Nelson; probably best solution to contemporary clock design.—Howard Miller Clock Company, Zeeland, Mich.

• (980) Electric Range: Folder, data sheets Kelvinator Automatic Cook Electric Ranges; 3-way automatic control for oven, Scotch Kettle, appliance outlet; finger-tip control all cooking operations, 7-heat surface units which tilt up for easy cleaning; "up-down" unit for Scotch Kettle or surface use; two-oven unit; grouped controls easy to read; recessed light for panel, work surface; will cook entire meal automatically; merit specified for CS Houses 1949 and 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

• (981) Electric Water Heater: Folder new Kelvinator Electric Water Heaters, round and table-top models; heavy gauge enameling steel tanks lined with two coats of porcelain; hydrostatically prestretched at high pressure before porcelaining; adjustable automatic thermostats; complete engineering, specification data; good contemporary design; merit specified CSHouse 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

• (982) Garbage Disposer: Folder Morton Electro-Drain automatic sanitary garbage disposer; 3-way control serves as operating switch, stopper for drain outlet, safety top for shredding compartment; shredder has full meal capacity and works forward or reverse; no vibration; easily installed, easily operated, safe clean, odorless; well engineered; merit specified for CSHouse 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

• (57a) Home Food Freezer: Folder containing full data, photographs, specifications Revco Chill Chest home, farm food freezer; features chip-proof, rust-proof, easy-to-clean aluminum freezing wall; provides for quick freezing large quantity of food; frost free seal zone trims top edge of interior food storage compartment preventing frost build-up; feather-touch lid, simplified food storage arrangement; highly efficient, well engineered, good design; 8, 15, 23 cubic foot capacities; merit specified CSHouse 1950.—Crescent Advertising Company, 344 North Church Street, Kalamazoo, Mich.

• (983) Home Freezer: Folders, data sheets Kelvinator home freezers; all walls, fast-freezing bottom refrigerated; chest-type design; when lid is opened cold air does not spill out, warm air can't get in; special fast-freezing section; spring-action lid support; lock-type lid lift, handy storage baskets, easy-adjustment temperature control, dependable power unit; merit specified CS Houses 1949 and 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

• (956) Indoor Incinerator: Information Incinor unit for convenient disposal combustible refuse, wrappings, papers, garbage, trash; gas fired, unit is 35" high, 22" in diameter, weighs 130 pounds, has capacity of two bushels; heavy steel plate combustion chamber; AGC approved; excellent product, merit specified CSHouse 1950.—Incinor Division, Bowser, Inc., Cairo, Ill.

• (365) Kitchen Appliances: Brochures, folders complete line Sunbeam Mixmasters, Wafflemasters, Ironmasters, Toasters, Shavemasters; recent changes in design well illustrated.—Sunbeam Corporation, Roosevelt Road and Central Avenue, Chicago 50, Ill.

• (984) Refrigerator: Folders, data sheets Kelvinator Moist-Master Refrigerators incorporating near-zero freezing area, moist cold area for usual daily foods, supermoist cold cold-mist zone for foods having high moisture content; two sets refrigerating coils, one surrounding freezing compartment, the other attached to back wall of freezing compartment; well designed, engineered; merit specified CS Houses 1949 and 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

CABINETS, COUNTER TOPS

(731) Cabinet Tops: Booklet requirements for building sink cabinet tops, table tops, other horizontal surfaces using Formica; covers tools, equipment, gluing, pressing, edging, finishing.—The Formica Company, Cincinnati 32, Ohio.

• (985) Steel Kitchen Cabinets: Folder, data sheets Morton Pantryettes, Base Cabinets; available in separate units, Pantryettes hang like pictures, cabinets move like furniture; Pantryettes have sliding glass doors; base cabinets have recessed knee, toe room; all units heavy-gauge furniture steel bonderized and enameled like refrigerators; best contemporary design, clean, sensible; merit specified for CSHouse 1950.—Nash-Kelvinator Corporation, 1620 East Seventh Street, Los Angeles 21, Calif.

(41a) Steel Kitchen Cabinets: Brochures, folders, full data, specifications Berger New Design Steel Kitchen Cabinets, together with information regarding arrangement of units for best working use; well designed, fabricated of heavy gauge steel, impervious to all

normal wear; electrically welded; silent doors; handy accessories; used in Eames-Saairinen CSHouse.—Petley, Inc., 5480 East Slauson Avenue, Los Angeles, Calif.

ELECTRICAL EQUIPMENT

• (373) Ceiling Ventilating Fan: Brochure Blo-Fan electric ceiling-type residential ventilating fan; removes cooking odors, steam; nine-position switch; some models combined with recessed lights.—Pryne & Company, Inc., 140 North Towne Avenue, Pomona, Calif.

• (152) Door Chimes: Color folder Nu-Tone door chimes; wide range styles, including clock chimes.—NuTone, Inc., Madison and Red Bank Roads, Cincinnati 27, Ohio. A, D, DR, B, AS, ID, PB, C.

• (922) Safety Electric Receptacles: Literature No-Shok Safety Duplex Electric Receptacles; built-in rotary cap automatically closes outlet when not in use; protects children, reduces fire hazard; merit specified for use in all Case Study Houses.—Bell Electric Company, 1844 West Twenty-first Street, Chicago 8, Ill.

FABRICS

(986) Artists' Concepts: Exceptionally well prepared and illustrated 24-page brochure showing work of Estelle and Erwine Laverne, Alvine Lustig, Ray Komai, Zahara Schatz, Juliet and Gyorgy Kepkes, and Alexander Calder in fabrics and wall papers, and of William Katavolos, Douglas Kelley and Ross Littell in furniture design and ceramics; artists' concepts uninhibited by "what the public will buy" approach; this brochure belongs in all files.—Laverne Originals, 225 Fifth Avenue, New York 10, N. Y.

• (46a) Contemporary Fabrics: Information wide range contemporary drapery, upholstery, casement fabrics; interesting textures, colors, designs for all decorative purposes; imported dyed Belgian linen used on seating arrangement in Eames-Saairinen CSHouse.—Harmill Fabrics, 106 South Robertson Boulevard, Los Angeles, Calif.

• (53a) Drapery Fabrics: Information Deering-Milliken drapery fabrics; 50" wide, textured linen-like surface, made of viscose filament yarn warp with 8 lea filling; Milliken failed dress crepe, 100% virgin wool, in 7-ounce weight usually used for dresses; Milliken natural color unbleached muslin sheeting; Milliken 100% virgin wool gaberdine usually used for suits; used throughout Eames-Saairinen CSHouse.—Deering-Milliken & Company, Inc., 350 Fifth Avenue, New York, N. Y.

FLOOR COVERINGS

• (44a) Emulsified Asphalts: Folder Laykold emulsified asphalts for floors, walks, courts, playgrounds; available in black, red, green; all-weather protection; custom mixed for different uses, degrees of resilience; rugged, durable, inexpensive, easily maintained; laid cold, ready for use on completion; do not dust off, remain attractive for years; ideal for underlayment with asphalt tile, linoleum, and for resurfacing worn wood or concrete floors; used on all patios of Eames-Saairinen CSHouse.—Stancal Asphalt & Bitumuls Company, 200 Bush Street, San Francisco 4, Calif.

• (49a) Mastic Composition Flooring: Folder Diato composition mastic flooring; light, strong, durable, wear resistant, flexible, plastic, fine finish, low cost, easy tread; formula includes diatomaceous earth; non-combustible, not damaged by cigarette burns; waterproof, verminproof, no seams; available in wide color ranges, can be applied in color combinations; molds to any shape; used in living room area Eames-Saairinen CSHouse; definitely worth consideration.—Diato Company, 2000 Hyperion Avenue, Los Angeles 27, Calif.

• (42a) Rubber Tile: Full information new Voit rubber tile featuring wide range colors by Millard Sheets; 23 colors chosen for best use as combinations or as solid colors as base for contemporary houses; sturdy, long-wearing, resilient, practical; easily applied, competitively priced; used in baths, kitchen Eames-Saairinen CSHouse.—W. J. Voit Rubber Company, 410 White-side Street, Los Angeles, Calif.

• (7a) Rubberized Waffled Rug Cushion: Brochure, folders Allen Rubber-Loc Rubberized Waffled Rug Cushion for all types of contract installations; pure rubber, durable fibers; non-slip, provides comfortable walking, preserves rugs, carpets.—Allen Industries, Inc., Leland and G. T. R. R., Detroit 7, Mich.

• (55a) Rugs, Carpets: Brochures, folders full line Alexander Smith & Sons rugs, carpets; 15 qualities, 95 patterns, wide range colors, textures; Crystal Point loop pile used throughout in Eames-Saairinen CSHouse; one of best sources of information regarding floor coverings.—Alexander Smith & Sons Carpet Company, Saw Mill River Road, Yonkers, N. Y.

FURNITURE

• (316) Furniture: Information top lines contemporary furniture designed by Eames, Naguchi, Nelson.—Herman Miller Furniture Company, Zeeland, Mich.

• (314) Furniture, Retail: Information top retail source best lines contemporary lamps, accessories, fabrics; designs by Eames, Aalto, Rhode, Naguchi, Nelson; complete decorative service.—Frank Brothers, 2400 American Avenue, Long Beach, Calif.

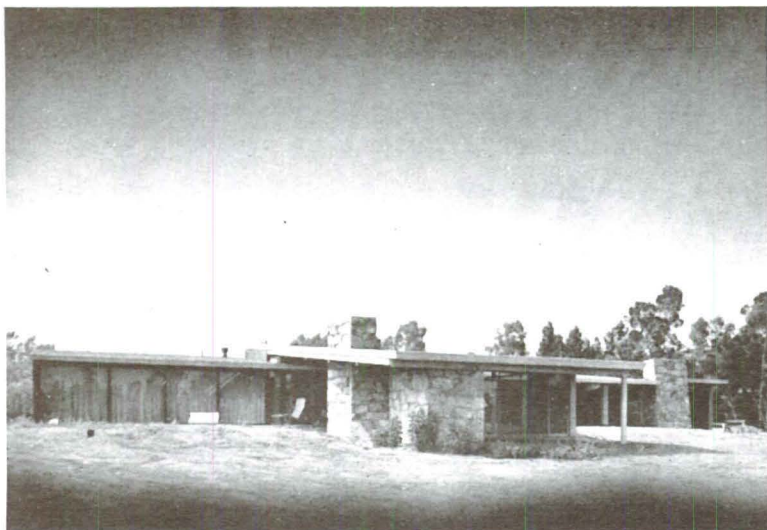
• (954) Indoor-Outdoor Contemporary: Complete catalog new line Van Keppel-Green indoor-outdoor contemporary chairs, tables, chaise lounges; cord, rattan, redwood and glass framed in charcoal-black steel; crisp, fresh, simple design team; this is must information for all files.—Balboa Pacific Corporation, Fullerton, Calif.

HEATING & AIR CONDITIONING

(542) Furnaces: Brochures, folders, data Payne forced air heating units, including Panelair Forced Air Wall heater, occupying floor area of only 29-3/8"x9 3/8"; latter draws air from ceiling, discharges near floor to one or more rooms; two speed fan.—Affiliated Gas Equipment, Inc., 801 Royal Oaks Avenue, Monrovia, Calif.

INSULATION & ROOFING

(795) Kimsul Insulation: Technical booklet (AIA-37B) properties Kimsul insulation; consist of plies of creped asphalt-treated cellulose fibers with creped "pyrogard" cover held together



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with rows strong stitching in blanket; full details thermal, acoustical installations.—Kimsul Division, Kimberly-Clark Corporation, Neenah, Wis.

• (95) Roof Specifications: Information packed 120-page manual built-up roof specifications featuring P-F built-up roofs; answers any reasonable roofing problem with graphs, sketches, technical data.—Pioneer-Flintkote Company, 5500 South Alameda Street, Los Angeles, Calif.

LANDSCAPING

• (63a) Plants, Landscaping, Nursery Products: Full color brochure most complete line of plants, including rare, trees, nursery products in Southern California; fully qualified landscaping service, consultation both in field and in nursery; firm chosen to landscape six CS Houses, including current Eames-Saarinen CS House; best source of information.—Evans & Reeves Nurseries, 255 South Barrington Avenue, Los Angeles, Calif.

LIGHTING EQUIPMENT

• (734) Architectural Lighting: Booklet Gotham Contemporary Architectural Lighting featuring pendant, recessed light-troughs; illustrates flat, curved, diffusing, louvered lenses; residential, commercial styles; specifications.—Gotham Lighting Corporation, 548 West Twenty-second Street, New York 11, N. Y.

• (909) Architectural Lighting: Exceptionally well prepared 36-page catalogue architectural lighting by Century for stores, display rooms, show windows, restaurants, museums, churches, auditoriums, fairs, exhibits, hotels, night clubs, terminals; features optical units,

downlights, decorative units, reflector units, fluorescent units, spots, floods, strips, special signs, color media, dimmers, lamps, controls; full data, including prices; worth study, file space.—Century Lighting, Inc., 419 West Fifty-fifth Street, New York 19, New York.

• (60a) Lamps, Lampshades: New Catalog showing more than 70 modern and rattan lamps and occasional pieces; features Mobile table and floor lamps merit specified for CS House 1950; also features Fantasia, 1949 AID lighting award winner designed by George Farkas; belongs in all files.—Decora Designs, 1853 West Flagler Street, Miami, Fla.

PAINTS, SURFACE TREATMENTS

• (51a) Surface Treating Materials: Brochures, full data Hornrock, Horn-O-Tone, Florcrex, Galvanide paints and surface treating materials; in Eames-Saarinen CS House Hornrock was used for all interior and exterior surfaces; Horn-O-Tone interior flat was used throughout; Florcrex was used on all wood surfaces; Galvanide was used to prime all steel used; all have unusual penetrating, covering properties.—A. C. Horn Company, 252 Townsend Street, San Francisco 17, Calif.

PAVING

• (47a) Asphalt Paving: Folder, information, price data asphalt paving, resurfacing, patching, excavating, grading; complete service ranging from large private or public jobs requiring heavy equipment to driveways requiring hand precision; best of materials, reasonable prices, dependable service; used for driveways of Eames-Saarinen

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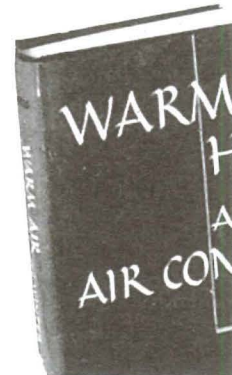
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CSHouse.—Goode & Schroeder, Inc., 3033 Treadwell Street, Los Angeles 41, Calif.

PLUMBING FIXTURES, ACCESSORIES

• (43a) Bath Fixtures: Brochure Kohler bath fixtures, including full information Kohler Cosmopolitan Bench Bath, built-in shower with Kohler Niederdecker one-dial mixer for temperature control; also features Arrowhead vitreous china lavatories, Delafield double-compartment ledge sinks with swing spouts and lever controlled sprayers; used throughout in Eames-Saarinen CSHouse.—Kohler Company, Kohler, Wis.

(826) Bathroom cabinets: Folder bathroom cabinets, one piece drawn steel bodies, bonderized after forming; also chrome bath accessories and wall mirrors.—F. H. Lawson Company, Cincinnati, Ohio.

• (52a) Shower Enclosures: Information Gulf Spray shower doors, tub enclosures; complete line of units for any bathroom use; well designed, engineered, fabricated; standard, custom sizes.—Binswanger & Company, 207 North Main Street, Houston 1, Tex.

• (58a) Single Handle Mixing Faucets: Folder, data Moen single handle mixing faucets; turns water on by lifting handle, off by pressing down; turn to left makes water hot, to right makes water cold; deck-type, wall-type, both old and new sinks, single and divided sinks, kitchen, lavatory, laundry room, bars, special doctors' and dentists' types available; highly practical, precision engineered, well designed; this item deserves close inspection; merit specified for CSHouse 1950.—Ravenna Metal Products Corporation, 6518 Ravenna Avenue, Seattle 5, Wash.

SASH, DOORS AND WINDOWS

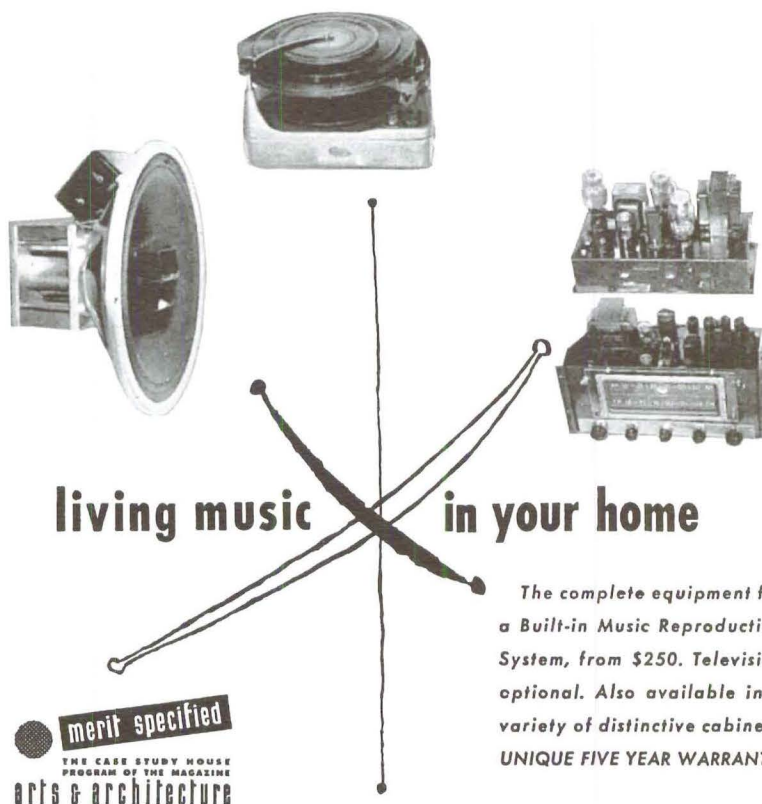
(19a) Decorative Glass: "Modernize Your Home with Decorative Glass" is the title of new Mississippi Glass Company booklet featuring actual photographs that show how figured glass adds charm to the home; enlivens and brightens every room in the house; makes each radiant with interest; free copy on request.—Mississippi Glass Company, 28 Angelica Street, St. Louis 7, Mo.

(61a) Robot Door Operator: Folder Robot Door Operator; automatically opens, closes any standard garage door by remote control; works on sectional over acting door, one piece over acting door, canopy tilt-type door, two piece outward swing door; controls from button in car, garage, house; well engineered, highly practical, safe, efficient; worth consideration.—Robot Door Operators Sales Company, 3942 West Slau-son Avenue, Los Angeles 43, Calif.

SPECIALTIES

• (685) Carpet Strip, Tackless: Full color brochure detailing Smoothedge Tackless Carpet Strip; works on curtain stretcher principle; eliminates tack indentations, uneven installations.—Ben L. Paulsen, The Roberts Company, 1536 North Indiana Street, Los Angeles 33, Calif.

• (45a) Electronic Communication System: Folder, data Talk-O electronic communication system; permits answering door from any room, communication with any part of house; ready for instant use on flipping switch; protection against unwanted callers; inexpensive, easy to install; safe, uses low voltage telephone wiring; highly efficient, gives long service; used in Eames-Saarinen CSHouse.—Talk-O Products, Inc.



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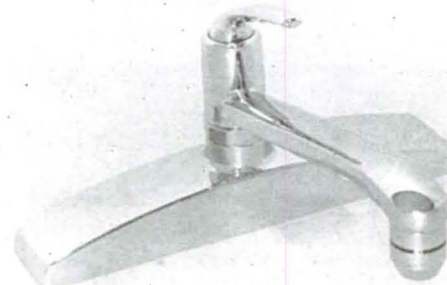
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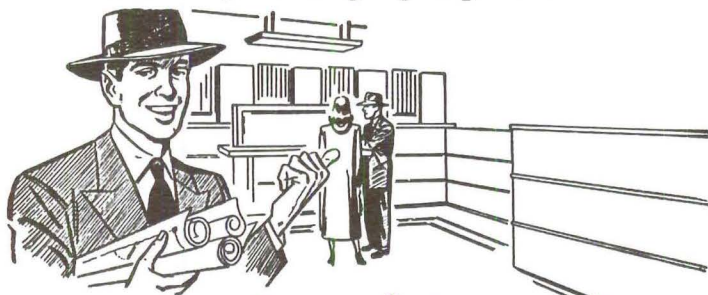
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• (59a) Paper Table Mats: Information, samples paper table mats with contemporary designs; come in sets of 24, cellophane wrapped, each package one design but in three different colors; priced so they can be discarded after one use; good answer to table setting problem.—Siok-Howell Designs, 14 School Street, Danielson, Conn.

• (54a) Seating Arrangements: Full color folder, complete details Hennell custom seating arrangements to fill specific spaces; superior construction, seats filled with neoprene bonded curled hair, Tampico fibre, cotton; springs if desired; backs plain or in horizontal or vertical folds; plywood frames; plain or vinyl plastic fabrics; used for major seating arrangement in Eames-Saarinen CSHouse. C. H. Hennell Company, 3845 West One Hundred Eleventh Street, Inglewood, Calif.

• (48a) Vacuum Cleaner: Folders, full data on Lewyt bagless vacuum cleaner; quiet, powerful, light weight, efficient; 4-way protection against dust leaks; built-in interference eliminator prevents radio, television reception; dust bowl empties easy as ash tray; lock-seal tubes; dirt can't choke suction; highly practical, reasonably priced.—Lewyt Corporation, 70 Broadway, Brooklyn 11, N. Y.

STRUCTURAL BUILDING MATERIALS

• (665) Concrete Blocks: Information, facts for architects, builders on Basalite light weight concrete blocks for residential, commercial, industrial structures.—Hector MacLean, Basalt Rock Company, Napa, Calif.

• (50a) Steel Products: Brochures, data Truscon steel products, including open web joists, ferro board decking, architecturally projected shash, residential steel windows; used throughout in Eames-Saarinen CSHouse; one of best sources of information on steel structural, specialty products.—Truscon Steel Company, Youngstown 1, Ohio.

WALL COVERINGS

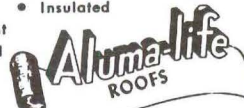
• (801) Fabric Wall Covering: Brochures, folder Wall-Tex fabric wall covering; plain or in colors, patterns; can be safely washed; hides plaster imperfections; full specification, application data.—Columbus Coated Fabrics Corporation, Seventh and Grant Avenues, Columbus 16, O.

• (40a) Plastic Wall Covering: Information Plyon low cost plastic wall surfacing material; laminated surface assemblies contracted and pressed over rigid surfaces; highly resistant to abrasion, wear; interesting textures; used in thin laminates for sliding cupboard doors in Eames-Saarinen CSHouse; highly practical new product, worth study.—Swedlow Plastics Company, 3757 Wilshire Boulevard, Los Angeles 5, Calif.

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NEW PRODUCTS MERIT SPECIFIED FOR 1950 CASE STUDY HOUSE

With actual construction of Arts & Architecture's 1950 Case Study House running well ahead of schedule, Raphael Soriano, its designer, has released information on several new products which he has merit specified for use and display in it. CSHouse Seals of Merit Specification covering these products have been signed by Mr. Soriano, bringing the total number of such seals he has authorized in terms of CSHouse 1950 to 123—approximately 25 other products are yet to be chosen.

CSHouse 1950, which will occupy a site on Ravoli Drive just off Sunset Boulevard, will overlook the Will Rogers State Park and the ocean. During the last month its steel frame was erected, and currently work is being completed on rough plumbing and heating, rough electrical work, and preliminary landscaping. Barring the unforeseen, it will be ready for display early in September.

One of the most interesting newly merit specified for use in CSHouse 1950 by Mr. Soriano calls for the use of Wallfab, a washable plastic wall covering from which ink, food, grease, pencil marks and dirt can easily be removed, on the walls of the kitchen and the two baths. Although only plain colors will be used in CSHouse 1950, the product comes in several patterns—in as many patterns as are available in cloth.

Wallfab is a plastic-impregnated two-ply laminate of cloth and paper. Cloth, paper and plastic are literally welded into one. A new polyester-type plastic saturates the cloth and paper, locking them inseparably and forming a protective surface when the laminate is cooked at high heat. When completed it is flexible, rollable and easily and inexpensively applied over any smooth wall. It costs no more, and often considerably less, than any other permanent type decorative wall covering, such as baked enamel, wall-board tile, or imitation tile.

A marked touch of luxury will be given to CSHouse 1950 by the use of Wunda Weve cotton carpets not only in the bedrooms but in the two bathrooms. Wunda Weve rugs are loom woven, and wear comparably with quality wool broadloom. In them tough, durable cotton yarns are pre-dyed in a wide range of pleasant plain colors for perfect color penetration and evenness of tone. Pile is loom woven through the back and double locked for better durability. They can be easily washed—they don't fade or shed in the washer—and they come out as fluffy as new.

In order to use Wunda Weve rugs in the two bathrooms, twin sets of rugs will be made, so that while one set is being washed the other set can be in service. In this manner, inasmuch as they will be laid over Dodge Vinyl-Cork Tile, all danger of matting and moulding will be eliminated. They will be easily installed and removed by using Roberts Smooth-edge Carpet Strips, which work very much like the old fashioned curtain stretchers. With this combination of products the use of wall-to-wall carpeting in the bathrooms seems to be highly practical.

Wunda Weve rugs, which have a cut pile, should receive a strong response from those doing contemporary interiors because of its reasonable cost and because of its wide range of colors, which include wood rose, dusty rose, forest green, fairy green, cherry red, gold, taupe, gray, ancient ivory, dove gray, magic blue and

muted biege. They are available in fringed scatter sizes from 24"x36" to 36"x60", and in unfringed sizes from 4"x6" to 12"x18'. Other sizes to order sell at \$1.10 per square foot.

CSHouse 1950 will present a new type of lamp—one of which combines good lighting with good design. Called the "Mobile," it has everything the name implies. With each turn of the flexible arm a new effect is achieved. The lamp, which comes in both a table model and a floor model, consists primarily of a gooseneck and a "double" shade of handlaced glass floss laced together to completely conceal its single bulb. The shade diffuses the light, but is sufficiently translucent to provide ample light. In one spot the shade emits a highly concentrated light.

In the table model the Mobile has a gooseneck which extends to the base. In the floor model there is a long standard, about half the length of the usual standard, above which the same length of goose neck serves. Shades come in any combination of coral, chartreuse, cocoa, white, red, yellow and green and will not fade. The clam-shaped hydrocal bases are finished in coral, chartreuse, cocoa, white, black, red yellow, green and gold. This is a highly practical pair of lamps, and undoubtedly will find a ready market among those looking for something new and good.

Among the lighting fixtures which will be used in CSHouse 1950 will be Amplex Adapt-a-Unit Swivelites, a new idea in display and accent lighting. All basic parts of these well designed units are interchangeable, affording the user to extend his ingenuity in accomplishing any desired lighting arrangement. Designed primarily for commercial applications, their use in CSHouse 1950 will mark their most important use to date in residential construction, and will give Mr. Soriano wide leeway in planning his lighting arrangements.

Swivelites' advanced design includes these four outstanding features. A doubleball swivel provides free-floating 360-degree horizontal and 170-degree vertical directional focus. Fixtures can be flexed to any position by a fingertip touch and stays put on any angle without the use of set screws or wing nuts. Their satin-aluminum finish is protected by Amplex "perma-coat" which neither discolors nor blisters from operational heat. Improved ventilating ports carry off excess heat from the lamp socket, which means lamps burn cooler and last longer.

A remarkably sensible addition was made to the kitchen equipment for CSHouse 1950 with the merit specification by Mr. Soriano of an 8-cubic foot Revco Chill Chest home food freezer. This unit, which has aluminum interior freezing walls which provide for dependable quick freezing of a quantity of food at the same time and for lower operating costs, will handle 320 pounds of frozen food. The aluminum freezing walls won't rust, are non-chipping, and clean easily. After a thorough survey of the field this unit was considered the best for the purpose for which it is needed.

Among the features which weighed in its favor are its easy-to-lift wire baskets, which have plastic-wrapped handles, placed in an offset manner to give good balance; removable compartment separators for easier organization and arrangement of packages; adjustable tem-

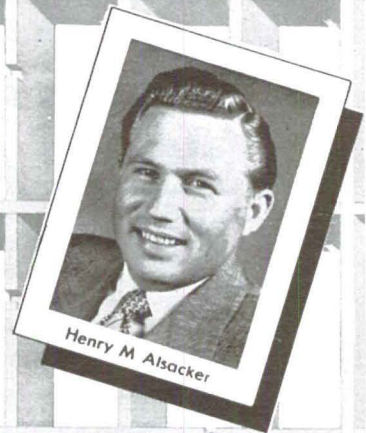
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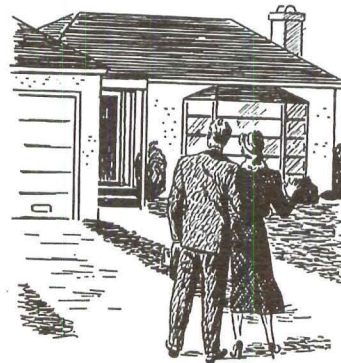
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perature control, which gives freezing range from zero to minus 20 degrees for fast freezing when needed; long-life Tecumseh "Chieftian" hermetic unit, which is thrifty on current, quiet running, and guaranteed for five years; automatic temperature signal, which flashes a bright red light automatically to warn of rising temperature, and automatic interior lighting—a light which comes on when the lid is lifted.

Another good addition to the kitchen—and bath and laundry equipment—was the merit specification approved by Mr. Soriano for the use of Moen single handle mixing faucet. By lifting the handle water is turned on. By pressing down it is turned off. By turning the handle to the left the water becomes hot. By turning it to the right the water becomes cold. Thus with one handle any desired flow of hot or cold water is possible—or any degree of hot water. In addition, the flow can be stopped at any time and can be resumed at exactly the same temperature. This item makes good sense, and

has long been needed for the contemporary house.

Moen fixtures come in styles and specifications for every household need. Deck-type, wall-type, both new and old-style sinks, single and divided sinks, kitchen lavatory, shower, laundry room—any kind that is needed is available. They are pleasingly designed and precision engineered. They will be used in all sinks in CSHouse 1950, as well as in the showers and baths—in the latter the Moen Monomix will be used.

The dining area of CSHouse 1950 will be dressed up with paper table mats designed by James A. Howell. These table mats, with contemporary designs as patterns, come in sets of 24, cellophane wrapped, and are highly satisfactory in service, and are so priced that they can be discarded after one use. Sets come in single design but in three different colors. They are a sensible solution to a problem which hitherto hasn't been given too much attention.

Editor's Note: Following are further products which have been merit specified for use in the 1950 Case Study House of the magazine Arts & Architecture. New products merit specified will be announced each month.

ALUMA-LIFE LIGHT WEIGHT ROOFING MATERIAL

Aluma-Life light weight roofing material, manufactured by Aluminum Building Products, Inc., Jacksonville 7, Fla., utilizes aluminum foil between cotton gum base layers and is finished with a coating of marble or granite chips of selected color. It has earned an "A" rating from the National Board of Fire Underwriters and is FHA approved. It can be easily applied, and is more economical than roofs carrying lower ratings, part of the economy being accounted for by the elimination of all metal flashings on chimneys and valleys. Aluma-Life is the only built-up roofing with hurricane specifications, bonded direct to wood sheathing which can be used on pitches of 5 on 12 and up. Its unique advantage is the use of the aluminum foil interlayers and the very stable sealing and bonding compound used throughout. The 99.4 pure aluminum foil, when embedded in Aluma-Bond, a cotton gum base which is the essential mastic, will last indefinitely.

DODGE VINYL-CORK TILE

Dodge Vinyl-Cork Tile, manufactured by the Dodge Cork Company, Inc., Lancaster, Pa., combines the long acknowledged advantages of cork with the toughness of a vinyl surface. The cork base and vinyl top are fused together under extreme heat and pressure to form an integral unit. Dodge Tile has a resilience and warmth, and it is quiet and comfortable to walk on. It has high insulating and sound deadening qualities, and is strongly resistant to fire. Requiring no waxing, it cleans with ordinary soap and water. Inks, grease, acids, or mild alkalis will not mar its surface. Wearing qualities are two or three times that of most other smooth floor coverings. It comes in natural cork, several good plain colors, and a number of marbled colors.

GATEWAY TO MUSIC'S "BEL CANTO" RADIO-PHONOGRAPHS

One of the Gateway to Music's Radio-Phonograph installations was merit specified for the 1950 Case Study House because it provides an ideal music reproduction system for the home. It offers top quality at a cost even lower than ordinary mass-produced instruments. Musical and technical experts, including Arthur Schnabel, Otto Klemperer, George Szell and physicist Dr. Harry T. Wensel have singled out this equipment for highest praise. A wide variety of custom-built Radio Tuners (AM and FM), Amplifiers, Record Changers (including a radically new three-speed changer which plays consecutively both sides of all types of records, yet fits into a very compact space) are available. Television, Magnetic Recorders and other "optionals" can be provided to complete the most up-to-date "Home Entertainment Center". All units are so designed to be interchangeable and a large variety of combinations can be arranged in accordance with the owner's budget, his musical tastes, the acoustic conditions of the room and the space available. Where installation in a cabinet is preferred to a built-in installation, the owner may choose from a large selection of well designed and executed functional cabinets or have the equipment installed in his own cabinet. A staff of experts is maintained to consult with architects and decorators, to make the installation, provide maintenance service. Note the very unusual "Five Year Warranty", covering parts and labor. On sale only at the GATEWAY TO MUSIC (no other sales representatives in Southern California.) Address: 3089 Wilshire Boulevard, Los Angeles 5.

ALLEN RUBBER-LOC RUBBERIZED WAFFLED RUG CUSHION

Allen Rubber-Loc is America's first and only scientifically designed rubberized waffled rug cushion. It has been approved for all types of contract installations in homes and buildings, and greatly increases the life of rugs and carpets. It is composed of pure rubber and durable fibers scientifically blended to produce maximum walking comfort. It was the winner of a 1950 national annual home safety award sponsored by Lewis & Cognor, New York. It is available in 27, 36, and 54 inch and 6, 9, and 12 foot seamless widths. The manufacturer is Allen Industries, Inc., Leland and G. T. R. R., Detroit 7, Mich.

JOHNSON-CARPER PRIZE-WINNING FURNITURE

These case goods pieces were designed by Robin Day and Clive Latimer of England and won first prize in the Museum of Modern Art International Competition for Low-Cost Furniture Design. They include standard adaptations by Edmond J. Spence, Inc., as American consulting designers. The Johnson-Carper Furniture Company, Inc., Roanoke, Va., has been named as exclusive manufacturer and distributor in the United States. Pieces are clean, fresh, simple.

LECO-LATCH CABINET DOOR CATCH

This is a revolutionary catch for cabinet doors, utilizing a permanent magnet for holding purposes, thus eliminating moving parts and springs. It lasts for many years and there is nothing to get out of order. It works well even if doors sag or warp, and doors open easily without snap, noise or jerk. The catch consists of a small but powerful magnet, a small plate made of special steel, and necessary screws. The magnet adheres to the plate. Leco-Latch is manufactured by the Laboratory Equipment Corporation, St. Joseph, Mich.

L & S PORTLAND CEMENT PAINT

This is the largest selling paint for concrete, stucco, masonry, new galvanized iron, and other similar surfaces. It is long wearing and the manufacturer says that it will not absorb moisture. It is fire retardant. It is a combination of special pigments ground in treated oils, producing a close-grained flat film of cement-like hardness and strength, yet remaining so elastic that extreme exposure and temperature changes will not cause it to crack, check or rub off. The manufacturer is the General Paint Corporation, 2627 Army Street, San Francisco, Calif.

SASH AND TRIM COLORS

These are strong, durable colors, especially ground in treated oils, manufactured by the General Paint Corporation, 2627 Army Street, San Francisco, Calif. They are manufactured of pure, light-fast pigments combined with specially formulated synthetics, and will not crack or check under extreme exposure. They withstand discoloration to a remarkable degree and retain their gloss for an unusually long time. They flow easily, level out well, yet do not run or sag. Hiding capacity is good.

PAYNE FORCED AIR UNITS

Anticipating the heavy trend to forced air heating, the Payne line now includes four different forced air models . . . a unit to fit the needs of every home—and budget, from three rooms up. Spearheading the line is the low cost Panelair, the new type wall-heater that delivers forced air heat directly to three or more rooms, at floor level. It is Payne's answer to the cold floor—hot ceiling problem. The panelair can be partly or fully enclosed in a wall or placed in a corner. The Sentry requires little more space than a water heater—fits in kitchen or closet, on service porch or wherever space is available. It circulates filtered heat in winter, ventilation in summer. Operation is fully automatic. When space is extra scarce, Payne suggests the Spacesaver. It operates effectively from almost any nook or corner—under the floor, on service porch, or even from the attic. The Payne Zoneair is designed primarily for heating basement homes. It heats and filters the air in winter, ventilates in summer, and is fully automatic.

NUTONE DOOR, CLOCK CHIME

Again door and clock chimes, manufactured by NuTone, Inc., Cincinnati, Ohio, will be used—these products, because of their good design and engineering features, have been used exclusively in all CS Houses to date. These chimes range from two to eight notes, and are the leaders in their field. Installations will be made for the front door and the rear of the house.

STERLING CONTEMPORARY FURNITURE

The Sterling line, manufactured by Sterling Furniture, Inc., 1611 West Cortland Street, Chicago 22, Ill., is contemporary furniture styled for the market of today, yet the clean simplicity of line and remarkably strong construction earns it the attention of contemporary architects and decorators. Protection seldom found in fine furniture—Realwood Formica tops, cigarette-proof, alcohol-proof, able to resist all commonly used acids and alkalis—yet distinctive and interesting in any room setting. This is one of the best lines of contemporary furniture and will be heavily drawn on for CS House 1950.

PAINE REZO HOLLOW CORE FLUSH DOORS

Paine Rezo Hollow Core Flush Doors have an air-cell construction which combines the strength of cross-banded plywood with lightness in weight, and the interlocking core construction holds in check the tendency of wood doors to warp, shrink and sag. Because they are precision made and squared to exact size and shipped ready to install, installation costs of the doors, which are available in any wood exterior, interior and cupboard use, is very reasonable. They can be had with mirrors or louvers. They are distributed on the West Coast by L. J. Carr & Company, Sacramento, Calif.

NUTONE KITCHEN VENTILATING FANS

Simplicity in architect's specifications—added beauty for the kitchen—that's the keynote of NuTone's wall and ceiling Kitchen Ventilating Fans. The 10-inch switch-operated ceiling-type fan, with gleaming chrome or white enamel grille, will fit any length ceiling installation using standard 3" furnace duct work. This unit has automatic shutter action in sleeve and outside hood and moves 500 feet of air per minute. In addition, NuTone has an 8-inch and a 10-inch wall-type fan, both pull-chain operated, moving 600 and 700 feet of air per

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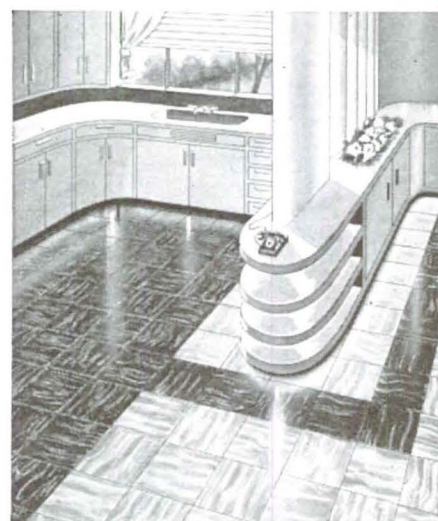
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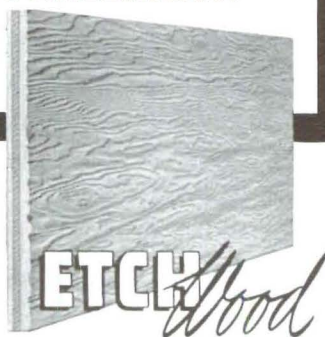
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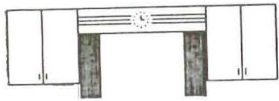


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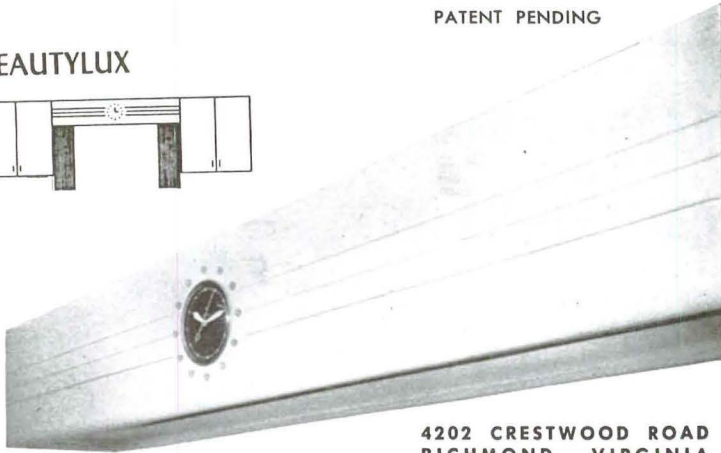
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minute, respectively. These wall-type models feature a special weather-seal shutter. All models have Underwriters Laboratories approval.

INNER-SEAL WEATHERSTRIPPING

One of the most important Merit Specification products to be seen in the 1950 CSHouse will be the installations of Bridgeport Inner-Seal weather-stripping. Every home owner, whether planning a new house or remodeling the old, will see how this weatherstripping provides good protection against drafts that show on heating bills. It has an exclusive spring wire and rubber construction which gives it remarkable wearing qualities, it is waterproof, it won't stain sills or side walls, it is resilient, it is low in cost, and anyone can install it.

MISSISSIPPI OBSCURE GLASS

Generous use of obscure and corrugated glass manufactured by the Mississippi Glass Company of New York, used so successfully in the two 1949 CSHouses, will be made in CSHouse 1950. The use of such glass makes possible light admitting walls without robbing rooms of privacy. The glass is available in a number of interesting textures and finishes, and definitely deserves consideration in contemporary architecture.

KELVINATOR MOIST-MASTER REFRIGERATOR

There are three totally different kinds of cold in each of the three food-keeping sections in the Kelvinator Moist-Master Refrigerator: (1) near-zero cold in the across-the-top frozen chest, (2) moist cold in the general storage compartment for the usual daily foods, and (3) super-moist cold in the cold-mist zone to keep all foods having a high moisture content fresh. It has two sets of refrigerating coils instead of the single set usually employed. One set surrounds the freezing compartment, and the second set is attached to the back wall of the food compartment. The model being used has a shelf area of 15.8 square feet with a net capacity of 9.5 cubic feet in the shelf area and freezer chest, plus 1.5 cubic feet in the fruit freshener.

MUSEUM OF MODERN ART EXHIBITION HOUSE

continued from page 41

table linen. Sliding panels above this storage unit make it possible to close off the dining area. When the panels are open, however, the sense of spaciousness is enhanced by the use of identical draperies along the living room and dining room windows.

The kitchen, finished in gray enamel, contains standard equipment and laundry appliances.

The parents' bedroom, although furnished here as the master bedroom, could be used as a library or study-guest room. The sliding wall which separates it from the living room makes it possible to close it off entirely or use it as part of the general living area. The adjacent dressing room contains two large closets and a dressing table with soft lighting around the mirror of a type used in theatrical dressing rooms. The children's rooms can be treated as one large bedroom, a bedroom and a separate playroom, or two separate bedrooms. Both rooms are paneled in oak plywood. The tone of the natural wood is echoed in the bamboo shades and is accented by the bright bedspreads and toys. The rooms are warmly lit by fluorescent strips over the windows and above the beds. The cove above the beds has a glass shelf to hold toys or flowers.

Construction costs vary according to location, local conditions, choice of finishes, etc. As one house in a development of 10, estimates received range from \$15,500 to \$19,500. The house excluding the garage has an area of 1420 square feet.

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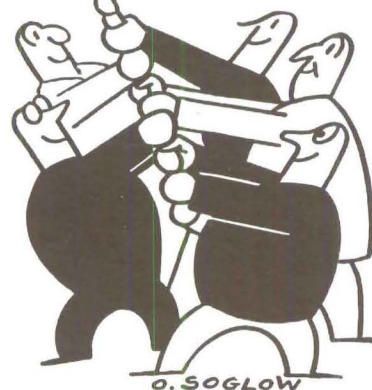
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