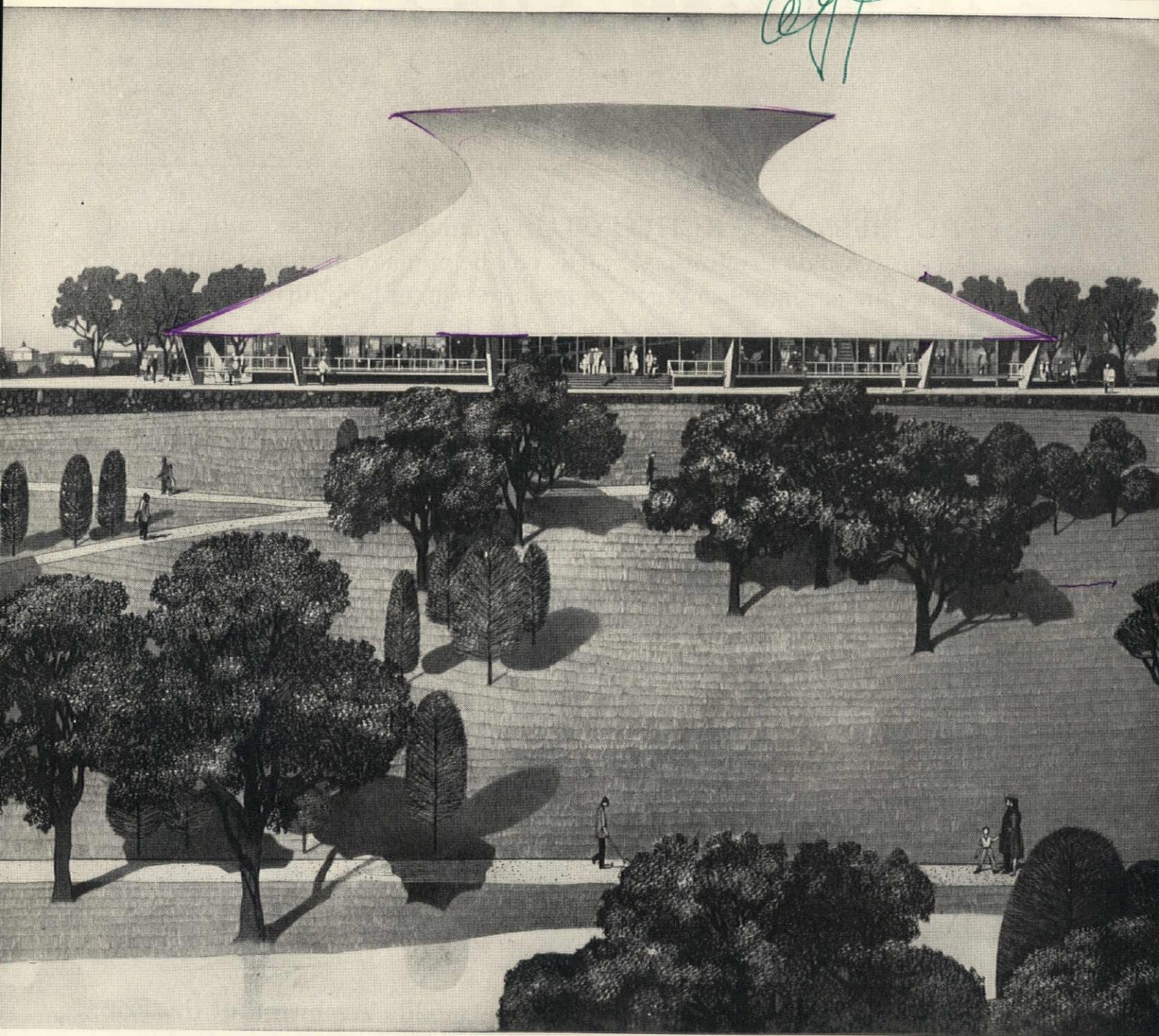


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PROGRESSIVE ARCHITECTURE news report

off



- Sweeping Structure Set for St. Louis Stargazers (above)
- Walter Gropius Accepts AIA Gold Medal
- Highlighted Curtain-Wall Panels Used on New Research Building

NEWS BULLETINS

WASHINGTON

NEW PRODUCTS

MANUFACTURERS' DATA

Reinhold Publishing Corporation's

ANNUAL P/A DESIGN

PROGRESSIVE ARCHITECTURE announces its seventh annual Design Awards Program. Awards will be made to architects and their clients for PROJECTS NOW IN THE DESIGN STAGE to be built in 1960 in the United States.

PURPOSE of the Design Awards Program is to give recognition to good design in the period of design development, rather than after completion, in order to encourage the designers and owners of the projects so honored.

AWARDS will be given by a distinguished Jury to best projects chosen from ten categories — COMMERCE, EDUCATION, DEFENSE, HEALTH, INDUSTRY, PUBLIC USE, RECREATION, RELIGION, RESIDENTIAL DESIGN, URBAN DESIGN. Awards will be on the basis of site use, choice of structural system and materials, solution of client's program, and overall design excellence. The Jury will assign projects to the various categories, and reserves the right to withhold an Award in any category, as well as to honor additional projects by CITATIONS.

FIRST DESIGN AWARD will be given for the one best project submitted.

JURY will be composed of William W. Caudill, Architect, of the firm of Caudill, Rowlett, Scott & Associates; Louis I. Kahn, Architect, Philadelphia; Ralph Rapson, Head, Department of Architecture, University of Minnesota; José Luis Sert, Dean, Graduate School of Design, Harvard University; and Lyndon Welch, Engineer, of Eberle M. Smith Associates, Detroit.

AWARDS PROGRAM

for projects not yet built

JUDGMENT will take place in New York during September, 1959. Winners of AWARDS and CITATIONS will be notified (confidentially) immediately after the Judgment.

ANNOUNCEMENT of the winning projects will be made at a presentation in the home town (if practicable) of the recipient of the FIRST DESIGN AWARD. Winning projects will be presented in January 1960 P/A. As in the past, PROGRESSIVE ARCHITECTURE will arrange for general publication of winning projects in other media, particularly those in the localities of all the AWARD and CITATION winners.

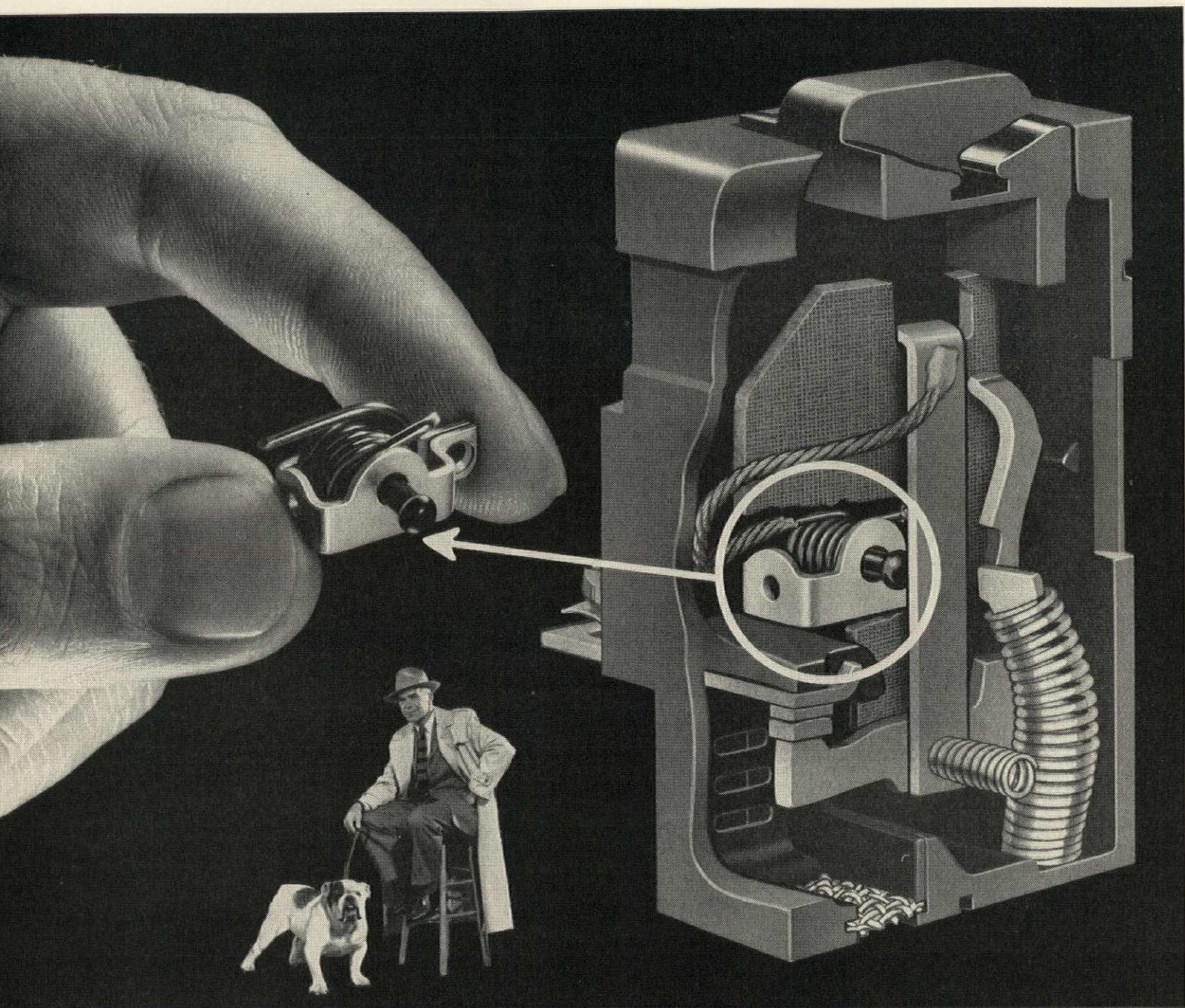
DEADLINE FOR MAILING is August 31, 1959. No application blanks are necessary. Simply send, for each project you submit:

1. Client's name; location and proper name for project.
2. Brief explanation of the program and your solution.
3. Site plan.
4. Basic plans and pertinent sections and details.
5. Perspective drawing or view of model, *unmounted photographs or photostats*—renderings, exhibit panels, or models will *not be accepted*.
6. Interior plans and sketches, if available.

ADDRESS on or before August 31, 1959, to:

Awards Editor, PROGRESSIVE ARCHITECTURE
430 Park Avenue, New York 22, N. Y.

P/A will carefully guard and return all material that is submitted.



NO TROUBLE CALLS WITH PUSHMATIC

coil protection is standard in every breaker

Protect branch circuits against high overloads and "flash-shorts" with Pushmatic® magnetic coil action! Bulldog, the first to offer this protection in 15-amp and 20-amp ratings seven years ago, builds this safeguard *into every Pushmatic breaker*. The solenoid (coil)—coupled with the thermal element—provides *double* circuit safety. Makes trouble calls a thing of the past.

As you can see in the above picture the Pushmatic uses a *multi-turn coil*. High overloads or "flash-shorts" instantly set up a magnetic field in the coil—causing the metal plunger to trip the latch and break the circuit. Bulldog Pushmatics

provide not only maximum branch circuit protection, but protect lamp and appliance cords, too!

Small overloads are taken care of by the thermal-bimetal latch. An overloaded circuit heats the bimetal causing the latch to curve and release. A built-in time delay prevents nuisance trip-

ping in case of harmless overloads.

Play it safe. Protect branch circuits with Pushmatic coil action! Each and every Pushmatic is rigidly tested to assure precision operation. You'll find Pushmatic double protection pays off! Multi-turn coils are standard in all Pushmatics—15 amperes through 50 amperes.



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WALTER GROPIUS ACCEPTS AIA GOLD MEDAL

Excerpts from Acceptance Speech

In the recent past we have concerned ourselves more with defining ever newer *means* than with defining *ends*, and we have now amassed such a tremendous arsenal of techniques that their bristling display has nearly robbed us of our sense of balance. . . .

[Today] everything *can* be done and, most certainly, *is* being done. Our cities have taken on the look of a free-for-all, wild competition to engage the mind, heart, and body of its populace and all sense of propriety and discrimination seems to have been swept away by this unlimited technical dam-burst. . . .

What ingredient is missing in our way of life without which we cannot hope to emerge from visual chaos? The answer [is] . . . that a society such as ours, which has conferred equal privileges on everybody, must acknowledge its duty to raise the general level of responsiveness to spiritual and esthetic values by education. As it is, the individual is insufficiently trained to see and to observe the visual phenomena around himself; and his environment, in its present, chaotic state, does little to provide him with the experience that beauty is a basic requirement of life and the precondition for organic building and planning.

The realization [of these facts] had caused me to establish right after the First World War the Bauhaus in Germany and, when Germany reverted to the dictatorial methods I had hoped we had outgrown, to transfer my educational work to the Graduate School of Design in Harvard University.

In the meantime the Bauhaus idea has spread far and wide, but it also has been abused and distorted in such manner that there is now a popular version of a fixed "Bauhaus Style" which is tossed around in debate as if it had really existed as a rigidly defined formula. On the contrary! Our strength was that there was no dogma, no prescription—things that invariably go stale after a while—but only a guiding hand and immensely stimulating setting for those who were willing to work concertedly, but without losing their identities. What made our group function was a common method of approach, a kindred way of responding to challenges of our day. . . . We knew that only a personal interpretation of a common phenomenon can become art, that only as an individual searching mind can find a conceptual attitude and pose questions of principle, but we also knew that it was imperative simultaneously to find the bond of a common expression to achieve

a balance between individual initiative and voluntary subordination to a common principle. Under these same principles [we] are working in "The Architects Collaborative". . . .

One of the fallacies of our present conception of life results, I believe, from the fact that a majority of people believe that modern organization-man has found today's version of that indispensable ingredient of all cultures: the intellectual common denominator of a period. He has not. For with his new tool, automation, he performs only one aim: to compel each individual to abide by a narrowly circumscribed intellectual code, the focus of which is mere expediency. Adaptability is rated higher by him than independent thought, and consequently the individual becomes lost within the group. Against this robotization of our society, we must set our conviction that keeping one's identity is *superior* to social usefulness at any price and that a *leveling* process can never produce a cultural common denominator.

But didn't we only yesterday run down the rugged individualist? We did, but the pendulum has swung back sharply to the other extreme now and we have to discover the hard way that neither conformity within the group—which leads to tyranny by the majority—nor willful extravagance of the individual can create a climate which favors the development of initiative and imagination, but that it is the moral responsibility carried by each individual independently within the group which provides the basis for the goal of a democratic culture: i.e. unity in diversity.

We stand at a moment in history that calls for a bold, imaginative interpretation of the democratic idea. Our generation is presented with a similar challenge as were the founders of our Western culture, the Greeks, when they deliberately buried the treasures and temples of their former existence under the triumphant symbol of their newly-found freedom: the Acropolis. Or, as Thornton Wilder has put it beautifully: "Culture under a democracy has its dangers, but also its hopes and promises. Here a new and tremendous theme opens up which will have to be penetrated by thought, investigated, and expressed, the theme: Man with head unbowed. Democracy has the new task to create new myths, new metaphors, new images to show forth the state of new dignity which man has entered upon." Only when a social or spiritual goal has become thus clearly identified in the mind of a society does it become the inner substance of its works of art and architecture.

NEW YORK ARCHITECTS MASTER-PLAN PUERTO RICO HOSPITAL

Institutions Built Co-operatively for Economy

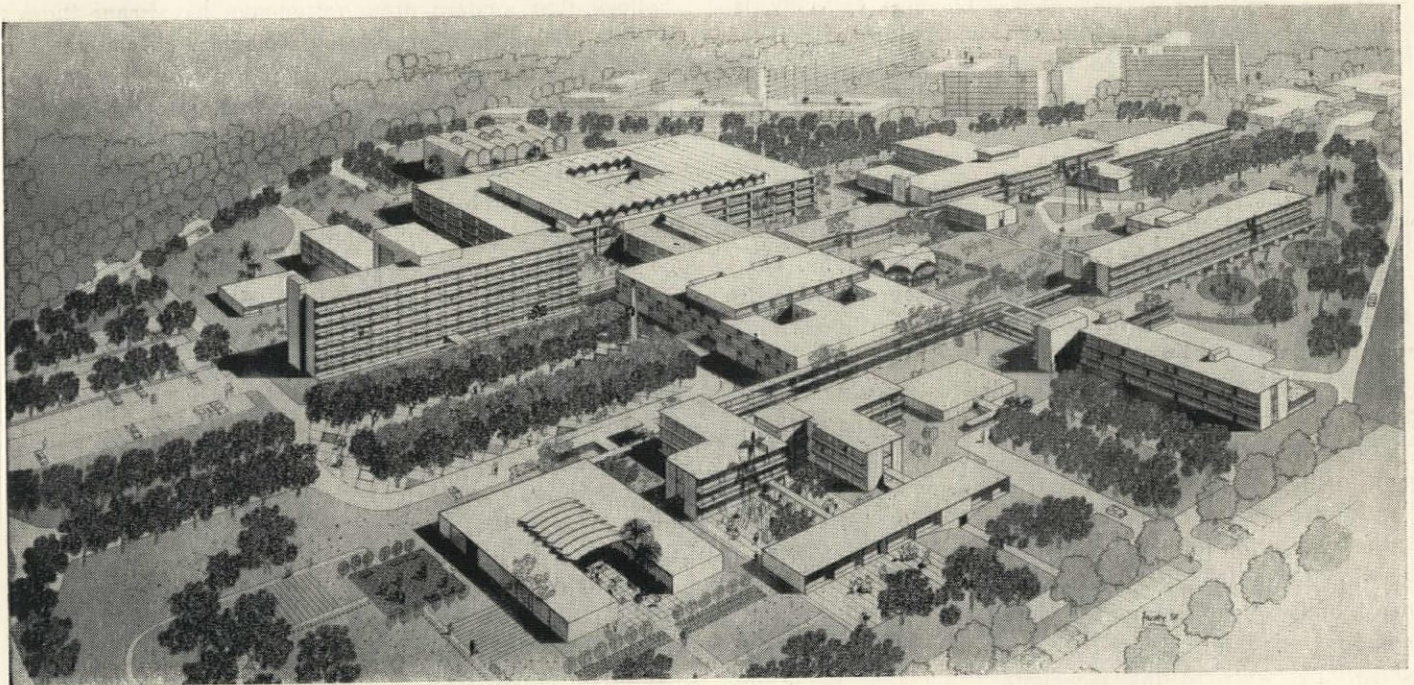
SAN JUAN, PUERTO RICO—A vast Medical Center to serve the entire island of Puerto Rico, under consideration since the end of World War II, is at last on the verge of realization. New York Architects & Hospital Consultants Isadore & Zachary Rosenfield report that the master plan they prepared for the island's government was well received and that the project will go ahead.

Medical Center will consist of four hospitals; a medical sciences building containing schools of medicine, dentistry, public health, various paramedical disciplines, and research facilities; a central building housing administration and medical-service facilities to be used in common by the four hospitals (outpatient clinics, operating rooms, x-ray equip-

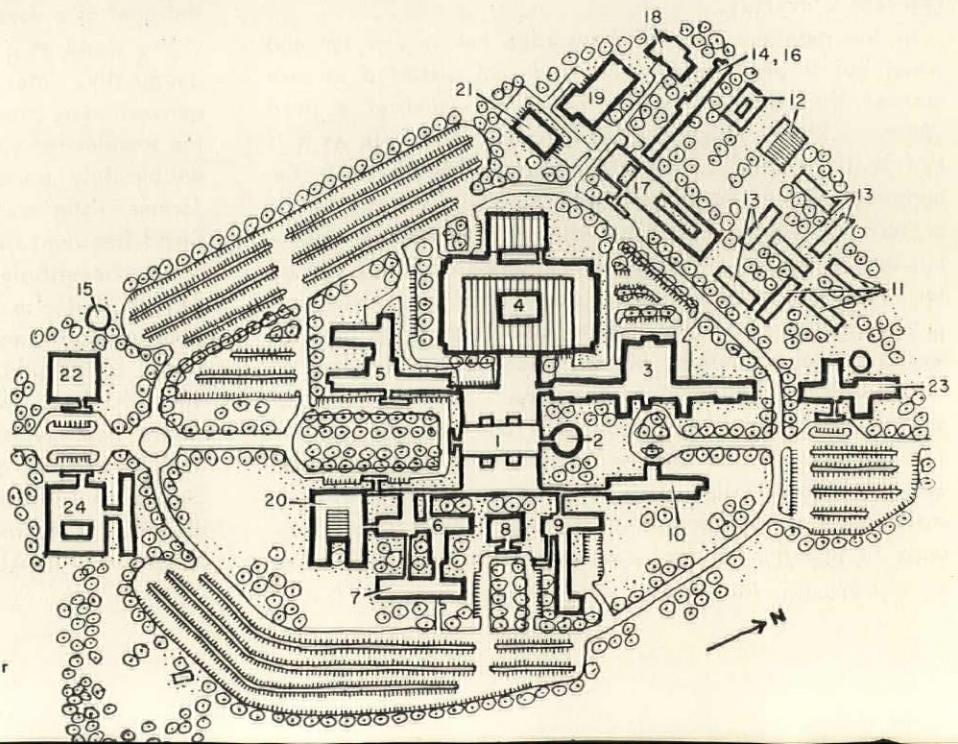
ment, laboratories, patient records, pharmacy, central sterilizing, etc.); and other common services, institutions, and housing for students and personnel. This integration of common elements is expected to make cost of the project about one-third less than if each institution were built independently.

On the site are two buildings—the adult and children's TB hospitals—which will be converted into district hospital and pediatric building, respectively (see *legend below*).

Architects responsible for the various buildings are Isadore & Zachary Rosenfield; York & Sawyer, New York; and Joaquin Rodriguez and O'Kelly & Mendez of Puerto Rico.



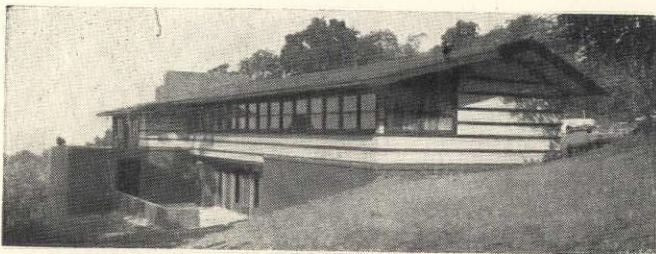
- 1 central building
- 2 central cafeteria
- 3 district hospital
- 4 medical sciences building
- 5 municipal hospital
- 6 industrial hospital
- 7 nursing home facility
- 8 bio-medical research & training building AEC
- 9 Dr. I. G. Martinez oncologic hospital
- 10 pediatric building
- 11 medical student dormitories
- 12 gymnasium, pool & recreation
- 13 medical student apartment buildings
- 14 student nurses' dormitory
- 15 water tower
- 16 graduate nurses' dormitory
- 17 school of nursing
- 18 power plant
- 19 central laundry
- 20 rehabilitation center & school for training rehabilitation technicians
- 21 garage & warehouse
- 22 health center (for local population)
- 23 long term diseases hospital
- 24 comprehensive community rehabilitation center



ARCHITECTURAL BULLETINS

● Officers elected at AIA Convention in New Orleans were President John Noble Richards, 1st Vice-President Philip Will, Jr., 2nd Vice-President Henry L. Wright, Treasurer Raymond S. Kastendeick, Secretary J. Roy Carroll, Jr. Regional Directors for coming year are Clinton Gamble, Florida Region; Clinton E. Brush, III, Gulf States Region; Linn Smith, Great Lakes Region; Harry C. Weller, Northwest Region; Arthur G. Odell, Jr., South Atlantic Region; Daniel A. Hopper, Jr., Middle Atlantic Region. Charles E. Jones, Jr., of University of Arizona, was elected president of Association of Student Chapters of AIA.

● "Color in Architecture" will be theme of North Central AIA Regional Conference, Milwaukee, Sept. 22-23. . . . N.A.H.B. announces 3rd annual National Executive Marketing Conference of Homebuilding Industry; participants will discuss "Next Decade in Homebuilding," in St. Louis, Sept. 24-25. . . . Sir Leslie Munro, Dr. Paul A. Siple, Wendell Bell, Carlos Contreras, Dr. Karl With, Robin Boyd, and John A. Kouwenhoven will examine "Wellsprings of Design" at Pacific Rim Conference of California Council of AIA to be held in Honolulu, Oct. 7-14. . . . Sessions of B.R.I. Fall Conference, Washington, D.C., Nov. 17-19, will be devoted to sandwich-panel design criteria, architectural-metal curtain walls, new heating techniques, building research, and international building research.



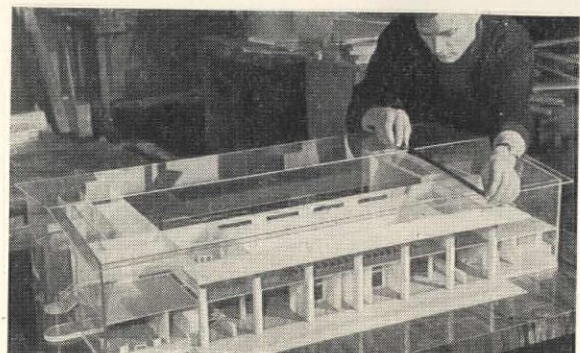
● Second Frank Lloyd Wright building in Greater New York (first was Guggenheim Museum, JULY 1959 P/A, pp 75-77) is prefab house on Staten Island. Designed by Wright for Erdman Associates of Madison, Wis., house has skin of sand-colored Masonite board with wood battens giving strong horizontal emphasis. Roof is of terne with mahogany edges.

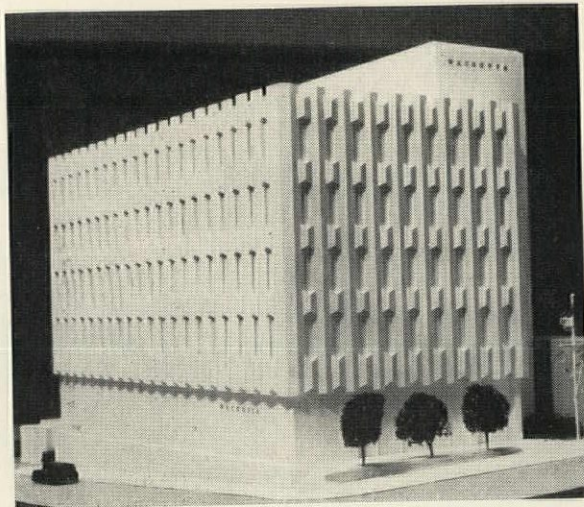
● John Haro of Albert Kahn Associated Architects & Engineers, Inc., received 1959-60 Arthur W. Wheelwright Fellowship from Harvard. He will study historic monumental and religious buildings and current building technology in Europe. . . . Photographer Ken Hedrich of Hedrich-Blessing, Ltd., was awarded AIA Fine Arts Metal in New Orleans. . . . Dr. Sterling A. Callisen was elected president of Parsons School of Design, New York. . . . Architect William F.R. Ballard became Chairman of Board of Citizens' Housing & Planning Council of New York.

● Katherine Morrow Ford, wife of P/A Editor Thomas Creighton, died June 26. Former architectural editor of *House & Garden*, she was author with Creighton of *Quality Budget Houses*, *Design for Living*, *American House Today*.



● Soviet Exhibition of Science, Technology, and Culture at New York's Coliseum laid heavy stress on advances in production, manufacturing, and science. Most popular exhibit was three-room model apartment described as being representative of quarters occupied by average Soviet family of four. Living room (above) featured wall storage unit with kitchen hand-through opening above dining table. Accents for somewhat severe design were provided by such traditional native objects as pottery figures and oriental rugs. Other two rooms of apartment were master bedroom and children's room. Apartment is same one shown last year at Brussels World's Fair. Great stress in the construction section of the exhibition was laid on city planning. Many models of city-planning projects—such as Moscow's Southwest district—were shown. These developments are being built up block (or micro-district) according to master plans. Apartment houses (model below) are making extensive use of prefabricated concrete panels manufactured by vibration-rolling method recently developed. Social center of micro-districts is standard club (bottom) containing 800-seat auditorium, movie theater, and rooms for art groups, and recreation.





● Castellated Wachovia Bank and Trust Company Building in Wilmington, N.C., has exterior facing of precast-concrete panels, prism-shaped with textured surface of quartz. Light will reflect from angled spandrels differently at different times of day, causing quartz to sparkle. Designed by A.G. Odell, Jr., & Associates, with Ballard & McKim as Associate Architects.

● Architect Carl Koch is directing research and design program for aluminum as basic home-building material for Olin Aluminum and *Living for Young Homemakers*. . . . Mies van der Rohe received Royal Gold Medal for Architecture of Royal Institute of British Architects in London.

● P/A First Design Awards winner for 1959, the redevelopment of Sacramento, Calif., began construction after formal groundbreaking ceremonies July 27. First building will be multimillion-dollar lease-purchase Federal Building.

● Annual student-training program of Voorhees, Walker, Smith, Smith & Haines, New York, is underway for fifth time. Eighteen students from 17 schools are acquiring practical experience in the office this summer. All facets of practice are stressed.

● Harvard will offer advanced courses in Urban Design beginning a year from this fall. Open to candidates holding one of the professional degrees from Graduate School of Design in architecture, landscape architecture, or city planning, the one-year-minimum course will lead to degrees of Master of Architecture in Urban Design, Master of Landscape Architecture in Urban Design, or Master of City Planning in Urban Design.

● Modular Building Standards Association has announced publication of *M.B.S.A. Reports*, a compilation of current technical articles on modular progress; news and status of ASA's recently constituted Committee A62 on dimensional standards for building products; and technical brochures on new modular products introduced by manufacturer-members. Publication will be distributed to all MBSA members.

● SOM's two new San Francisco buildings—Crown Zellerbach and John Hancock—are subject of an exhibit at San

WASHINGTON NEWS by Frederick Gutheim

Two outstanding firms of architects have recently been engaged to design the National Cultural Center and the Air Museum (part of the Smithsonian Institution complex). Edward Durell Stone will design the Cultural Center, a building for which between \$35,000,000 and \$50,000,00 must still be raised by trustees appointed earlier this year. Harbeson, Hough, Livingston & Larson will prepare preliminary designs for the Air Museum. The site lies just east of the Smithsonian's venerable Gothic headquarters building on the south side of the Mall.

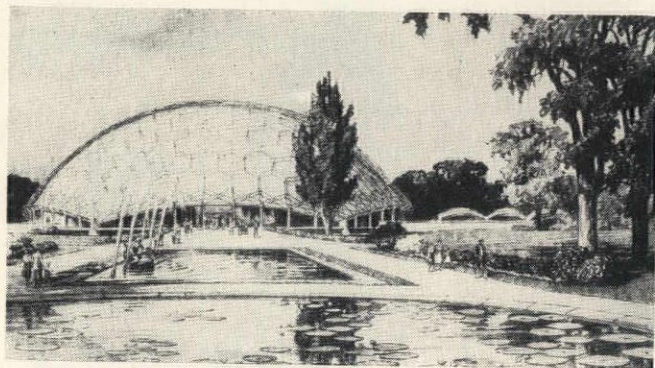
The Cultural Center presents an architectural opportunity of the first order. In part this derives from its site, along Potomac River just north of Lincoln Memorial, which is sufficiently detached from heavy commitments to monumental architecture to allow it to develop a fresh atmosphere of its own that will be appropriate to its special and, I hope, festive role. It also derives from the circumstance that the Center is only a quasi-public institution, and is thus relatively independent of Federal building-design procedures and precedents. Many problems remain to be overcome at this early stage, of course. The Center still lacks a program that will give it any separate identity from Lincoln Center for the Performing Arts in New York. Its location in the tangle of approach highways linking the new Potomac bridge to the inner expressway loop also raises sticky questions. But the design problem will remain the central problem.

On the occasion of Frank Lloyd Wright's birthday commemoration, the Institute of Contemporary Arts here collected and screened all of the major films and kinescopes of the late architect. One of these was a splendidly filmed account of Wright's last appearance in Washington, mainly devoted to a colloquy with Robert Richman, the Institute's talented director, on the design of the National Cultural Center. Perhaps with his Monona Terrace project, a city-county civic center in Madison, Wisconsin, in mind, Wright sketched in words his conception of a unified complex of art institutions, occupying a platform covering a huge parking facility, extending across the marginal highways and overhanging the Potomac. Some equivalent conception, solving at one stroke the problems of site, access, function and design is invited. One structure is indicated, rather than a series designed by individual architects.

The Air Museum is quite different. As earlier studies by McKim, Mead & White illustrated, the demand for a building housing full-sized aircraft raises stupendous difficulties of scale, and the location on the Mall inviting comparison with the National Gallery of Art, introduces an architectural obligation that is all but impossible to reconcile with the building's function. Perhaps it is just as well that the H2L2 contract is written as it is. Indeed, the government could well use more such exploratory design contracts, for it is in precisely this stage that the independent architect can make his original contribution.

Francisco Museum of Art, Aug. 21-Sept. 20. Associated architects on Crown Zellerbach building were Hertzka & Knowles.

- Fuller geodesic dome will enclose rare plant collection of "Shaw's Garden" in St. Louis. Architects Murphy & Mackey, with Missouri Botanical Garden Director Dr. Frits W. Went, have planned versatile climatic-control system



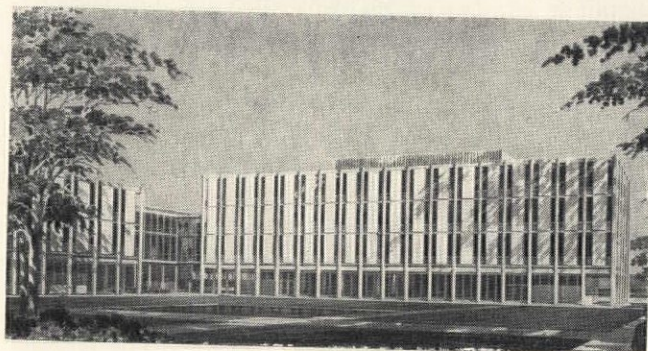
for giant greenhouse. Electronic-panel controls will be able to produce rain, mist, fog, arid air, or almost any other kind of atmosphere demanded by plants. Dome will be 175 ft in diameter at base and over 70 ft high at center, with no interior supports. Columbus Division of North American Aviation, Inc., will build structure.

- Knoll Associates, Inc., Knoll International, Ltd., and Knoll Textiles, Inc., have been acquired by Art Metal Construction Co., New York, manufacturer of metal office

equipment. Florence Knoll becomes Director of Design and Research for Art Metal, and will serve on its Board of Directors. She has announced plans for research into the design of metal office furniture.

- Michigan Society of the Professions has been formed to direct "its total effort to the interests and problems common to all professions." Architecture, dentistry, engineering, law, and medicine are professions represented. Architects on executive committee are Elmer J. Manson, Secretary, and James B. Morison, Director.

- Exterior facing of quartz-aggregate precast-concrete panels with exposed, white-concrete structural frame will distinguish new Science Building for Wayne State University in Detroit. Open circulation arcade is feature to be repeated in future buildings of a master plan for the campus. Architects are Albert Kahn Associated Architects & Engineers, with W.B. Sanders as Design Consultant.

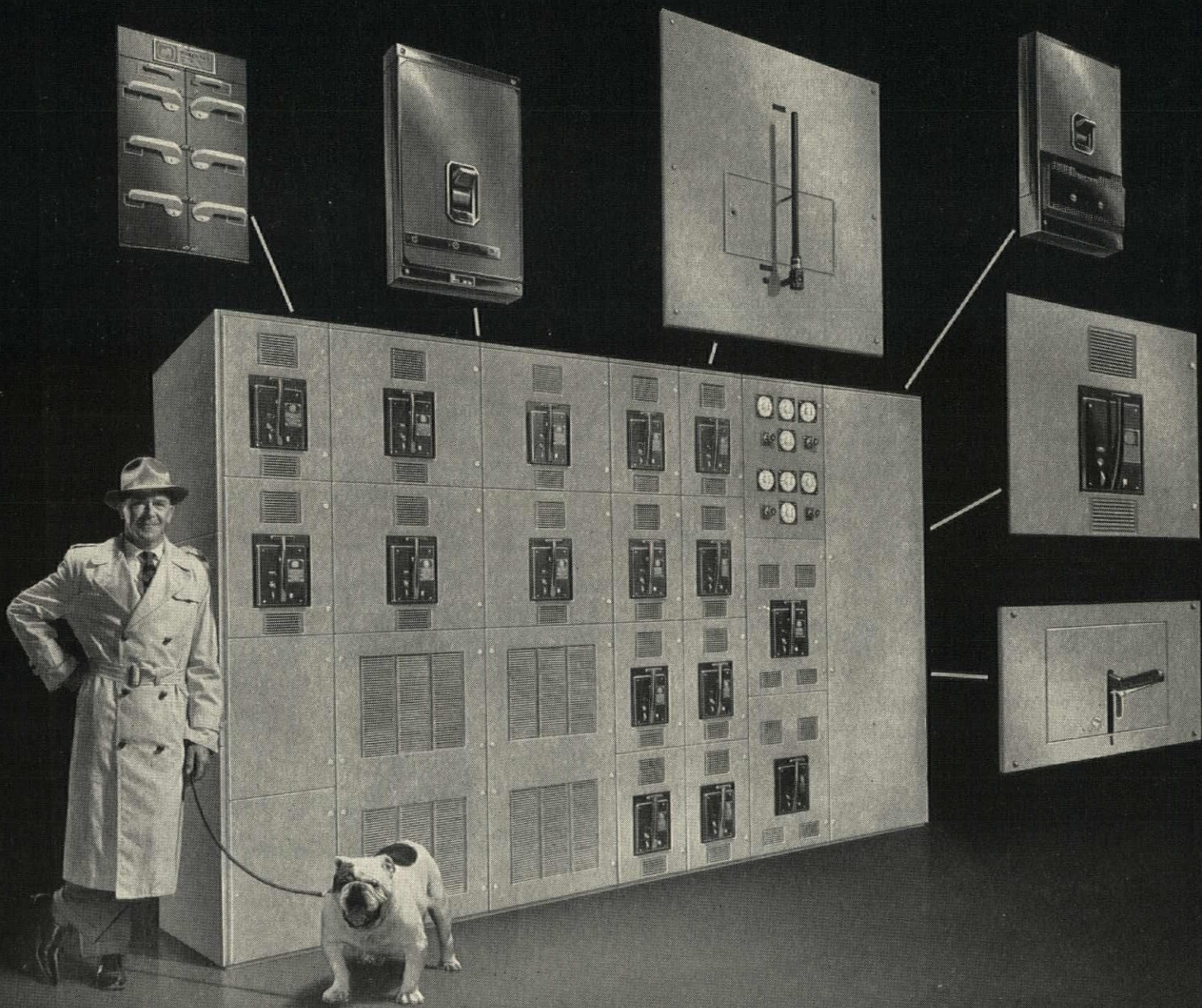


FINANCIAL NEWS by William Hurd Hillyer

"How high is up?" asks the small child. As to inflation, there is no definite answer at this time. Thanks to the efforts of AIA and other professional organizations, those who design buildings affected by the Interior Department Appropriations Bill may be better prepared to withstand rising living costs. The bill as passed by the House contained Section 401 limiting design and engineering fees to 5% of the total cost. The Senate Committee, while in sympathy with the desire to eliminate excessive charges, feels the limiting section might produce increased construction costs by failing to attract the best talent. The committee has recommended that this section of the bill be deleted. This deletion will probably be upheld by the full Senate but the two versions of the bill will have to go to a Senate-House conference.

How sound is the money received by the architect for his services? Manufacturers Trust Company of New York answers as follows: "Our national economy is sound. But there is no assurance it will remain so. A nation, like a person, must 'live within its means,' or it will soon be in trouble." After shipping \$2.3 billions of gold to foreign nations in 1958, our export this year has risen sharply of late, and is now at \$364 millions. We still hold nearly \$20 billions of the precious metal—over half the known gold stock in the entire world outside of Russia (who divulges neither her production nor holdings of gold).

The banking system is much concerned with inflation. Lee P. Miller, president of American Bankers Association, in addressing the annual convention of District of Columbia Bankers Association said: "The danger we face is that as the labor force becomes more fully employed and excess productive capacity is absorbed, the pressure on prices will increase. That is what happened between 1955 and 1957." John W. Remington, vice president of American Bankers Association, told the convention of Michigan Bankers: "While the recent upturn in business has been encouraging, I have also detected in my travels a widespread concern over the danger that inflationary pressures may be intensified in the months ahead." In addressing the convention of American Institute of Banking, William F. Butler, vice president of New York's Chase Manhattan Bank said: "The increase in the money supply must be kept in line with the growth in real production, which means a balanced Federal budget and monetary restraint in times of business expansion and high employment. The increase in wage rates must be kept in line with the growth in the technical efficiency, or productivity; this means annual wage increases of 3% as opposed to the average of more than 5% in recent years." Cleveland Federal Reserve declares that "recent stability in the general price level offers quite a contrast to price trends and expectations of a year ago," which is an encouraging note.



ANNOUNCING: THE NEW BULLDOG DF-60 UNCHALLENGED FOR VERSATILITY

BullDog's new DF-60 lets you put everything from large air circuit breakers to small Vacu-Break® units in one space-saving enclosure. It will handle any of the following light-duty or heavy-duty switch units . . . in any combination:

- New I-T-E K-line back-connected air circuit breakers, 225 to 4000 amperes
- I-T-E Molded Case Circuit Breakers, back-connected or panelboard-mounted, 15 to 800 amperes
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• BullDog DF-30 fused switches back-connected, 30 to 1200 amperes

• BullDog Vacu-Break® units in panelboard mounting, 30 to 600 amperes

In addition there is room for current-transformer equipment and metering systems. But duct systems up to 4000 amperes can be connected directly to the board.

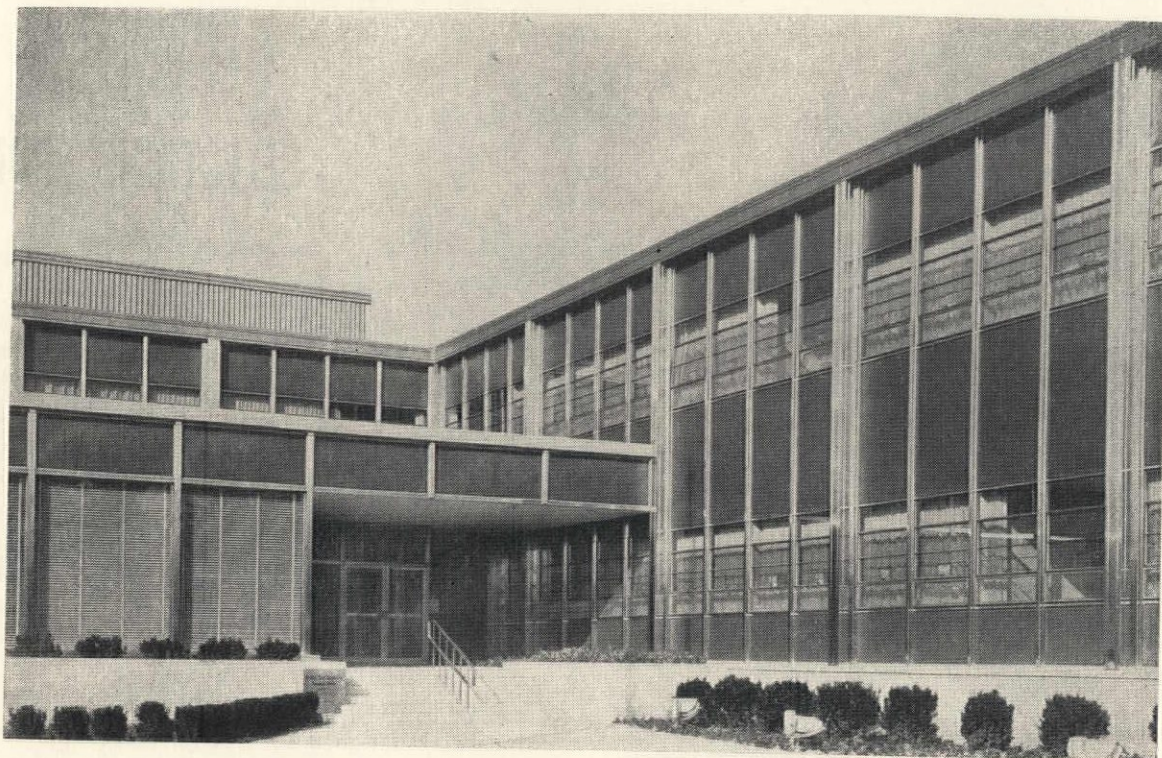
A call will bring your local BullDog field engineer to assist you in selecting the type, combination and arrangement of units needed to handle your clients' power load . . . help supervise installation. You'll find the new DF-60 will ease your plant layout problems, too. For complete details send for Switchboard Bulletin SB-555.

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HIGHLIGHTED CURTAIN-WALL PANELS USED ON NEW RESEARCH BUILDING

Process Provides Multi-Faceted Exterior

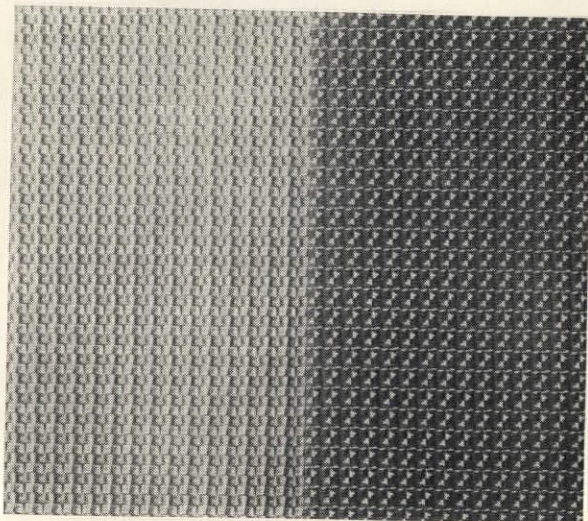
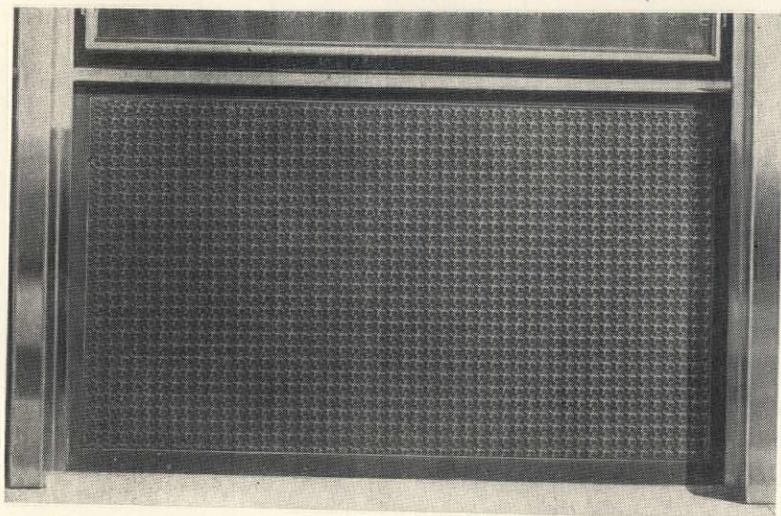
A new process used on the stainless-steel panels forming part of the curtain wall of the recently-erected Republic Steel Corporation Research Center in Independence, Ohio, (The Austin Co., Architects-Engineers) opens the way to more varied curtain-wall designs and applications.

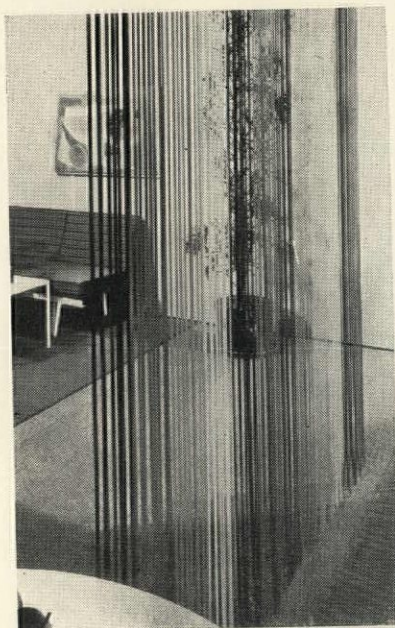
The metal used on the panels of this building, unlike sheets of the same alloy used in previous construction, is embossed with a "two-tone" finish of colored porcelain enamel and shining highlights of stainless steel. The finish was obtained by embossing a design by Raymond Loewy Associates onto the flat metal in the accustomed manner, covering with blue porcelain-enamel frit, and then, prior to firing at about 1000 F, wiping the enamel from the higher surfaces to expose the stainless steel. After firing, the stainless steel exposed by wiping was electro-polished to give a pattern having the

low-lying portions of the metal colored and the high spots exposed in natural stainless steel.

Development of the sheets followed investigations to provide more design versatility than is presently available in flat metal panels, and also to overcome the frequent optical illusions experienced with flat panels, such as distortion of centers and "oil canning," or the appearance of non-flatness. Co-operating in research on the high-lighted, patterned panels were the American Iron & Steel Institute and the Stainless Steel Producers' Committee of AISI. Actual development of the "rigidizing" technique was by Rigidized Metals Corporation of Buffalo, N. Y. The embossed, burnished panels utilize 20-gage type 304 steel, providing equal impact resistance to the 14-gage steel customarily used. Rigidized Metals Corporation

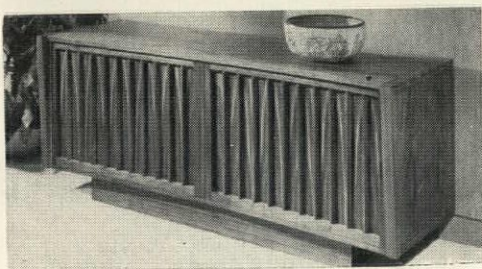
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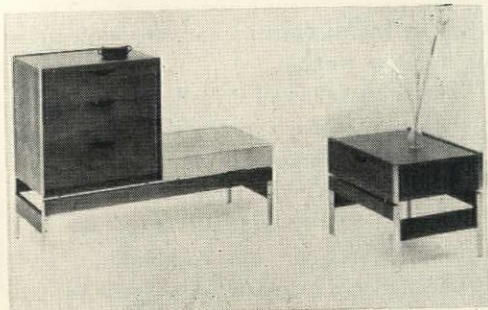


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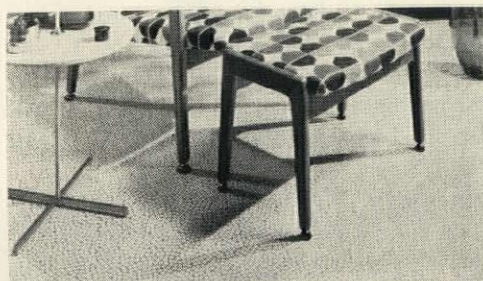
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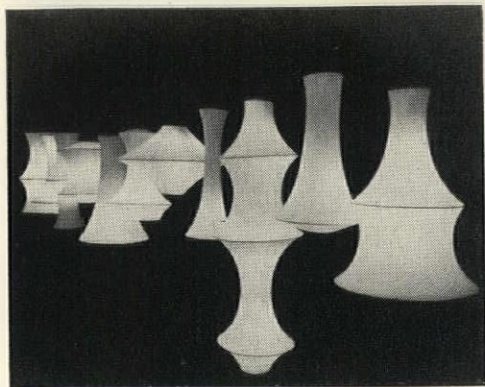
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105



SELECTIONS FROM THE

Steel Streamers Act as Room Divider

"Ribbon Wall" flexible-steel streamers hang from a ceiling track, can be used to separate areas of a room; half-divide above a piece of furniture; shelter series of shelves; curtain windows; or simply decorate wall space. Designed by George Nelson, strips come in olive, orange, turquoise, blue, yellow, and white; colors may be alternated and mixed. Ribbons may be cut to any desired length, and track is available in any given measurement. There are 16 strips to the foot. A 6' x 8' curtain would cost approximately \$75. Howard Miller Clock Company

101

Cabinet Has Hand-Crafted Look

Cabinetwork designed by George Nakashima for "Origins Collection" features sensitive use of fine woods and veneers to bring out their inherent beauty. This cabinet has a wide-sweeping front in a thin arc, cantilevering from an inset base. Laurel wood and walnut are combined. Piece can be used as a buffet, or interior can be engineered to accommodate stereophonic equipment.

The Widdicomb-Mueller Corporation

102

Modular Units Combine Wood and Aluminum

"Modulum" series designed by Architect Richard W. Thompson features storage units, platforms, cabinets, desks, seating units, and headboards, all constructed on a 22" module. Drawers are oak with American matched-walnut used throughout. There is wide choice of wood finishes and colors to choose from. Aluminum is custom extruded and available in a variety of anodized finishes and colors. Shown are large platform with cushion and three-drawer case, and single platform and case.

Glenn of California

103

Vinyl Flooring Shows Mosaic-Tile Pattern

"Venetian Chip" is latest pattern in Vinyl Accolon series of rotovinyl floor coverings. Pattern is a random arrangement of chips resembling mosaic tile. Four versions are available: taupe multicolor, tan multicolor, gray multicolor, and white with gold metallic. Comes in sheet form 6, 9, and 12 ft wide, and in pre-cut rugs 9' x 12', 12' x 12', 12' x 15', and 12' x 18'.

104

Lanterns Have Fanciful Shapes

Vinyl-sprayed "Net Lights" are constructed of fish net stretched tautly over rings of various dimensions to create series of dramatically tension-formed curves. Lights are supported by white-metal canopy, and finished top and bottom with oiled walnut or white-metal rings. Depending on size and shape, they carry one to four bulbs. Designed by George Nelson.

Howard Miller Clock Company

105

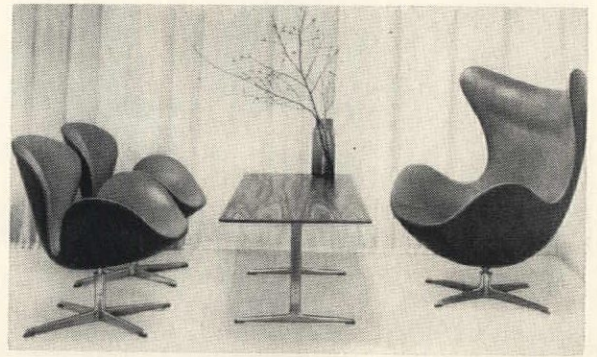
SUMMER MARKETS

Chairs Use Molded Plastic for Unique Forms

Designed by Arne Jacobsen, "Egg" (right) and "Swan" (left) formed-plastic and foam rubber chairs are very light. Egg weighs 30 lb and Swan weighs 15 lb. Bases are chrome; upholstery can be either imported mohair fabric or leather. Rectangular coffee table has solid teak top and chrome base. Retail prices of chairs (in fabric): Egg, \$475; Swan, \$275; table is \$150.

Dux, Incorporated

106



106

Contemporary Furniture with Classic Look

Storage group in "Portfolio" line features fine mahogany grain, sparing use of blue-glass-on-bronze hardware, and cane panels on hutch. Furniture, designed by Ray Sobota, has three wood finishes: light, warm tone called "Topaz"; medium, slightly grayed brown, "Opal"; and dark finish with red hint, "Garnet." Three lacquer finishes in mahogany are also available: sapphire blue, jade green, and amber. Chest with doors are about \$150 each; three-drawer chest about \$155; and hutch about \$240.

Mount Airy Chair and Furniture Companies

107



107

Table and Chair Are Adjustable

"Mobile Table and Chair" can be adjusted to dining or lounge height. Table works on new principle that makes it possible to raise or lower it to any position within a 10" area. It is lowered on an air cushion. Metal-rod chair has upholstered back and seat. Seat is raised or lowered by simple hinge device.

Laverne, Incorporated

108



108

Armchair Has Flowing Curves

Molded-wood armchair designed by Arne Jacobsen has a flowing, sculptural feeling. Chair comes in natural walnut or teak, or black. Seat is mounted on chrome legs at center and also sits on four rubber shock mounts. Wood has a slight natural resilience which creates spring and comfort; chair can also be bought upholstered. Arms are molded wood.

Dux, Incorporated

109



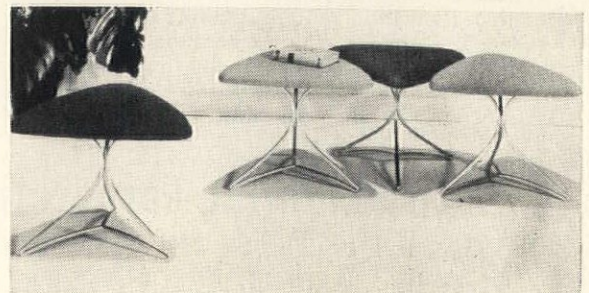
109

Stools for Many Uses

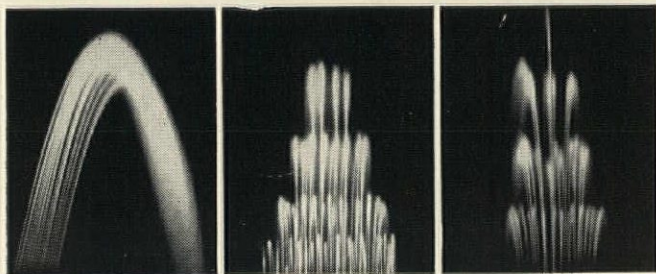
Versatile hassocks tuck into corners when not needed as footstools or extra seats. Groups may be lined up like a bench or pulled up for seating around a low table. Suitable for indoor-outdoor use and for small bathrooms and dressing rooms. "Pedi-stool" is available in wide range of colors and plaid textures with bases of brushed-brass anodized aluminum, or wrought iron in black or white. Brass finish, \$16.50; black and white, \$11.50, approximately.

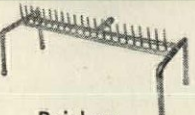
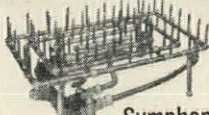

Selig Manufacturing Company, Inc.

110



110



 Rainbow 7" x 17" x 7" \$119.00 21 Spray Jets. Complete with Brass Fittings, Valve, and model #2 Pump.	 Symphony \$332.00 71 Spray Jets, 4 Tiers, individually regulated to any Height. Complete with Brass Fitting Valves, and #4 Pump.	 Plumes 12" x 8" \$265.33 58 Spray Jets, 4 Tiers, individually regulated. Com- plete with Brass Fitting Valves, and #3 Pump.
--	---	--

WE SOLVE ANY PROBLEM

We are generally recognized as the foremost manufacturers and designers of pumps and water display fountains for every conceivable purpose. We have had years of experience, working with engineers, decorators, architects, stage and TV prop men, estates, penthouses, home owners and fountain lovers all over the world. Our organization is geared to accommodate you on

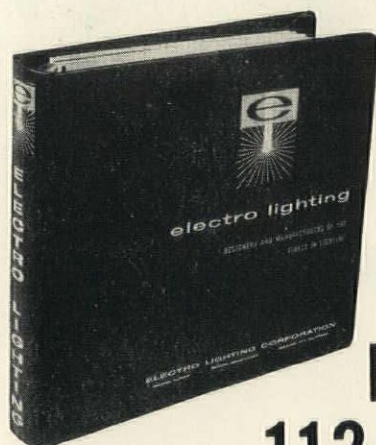
short notice, if necessary, and no job is too large or too small to merit our individual attention.

If our stock units are not adaptable to your plans, we will custom build to your specifications in any form, shape, size or to scale. Please submit blueprint, sketch or simple drawing. We will make recommendations and estimates.

Div. PA8

CANAL ELECTRIC MOTOR, INC. Manufacturers of Pumps & Water Display Fountains
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For more information, turn to Reader Service card, circle No. 302



FREE! 112-page Lighting Catalog

Specifying lighting demands complete, up-to-date information. The Electro Lighting Corporation general catalog is packed with photometric data, dimensional information . . . all the facts needed to write intelligent lighting specifications. It is kept current with the addition of pages on every major product change and innovation. For your up-to-the-minute copy, just attach this ad to your letterhead, and address to:

Department R12.



Electro Lighting Corporation

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For more information, turn to Reader Service card, circle No. 303

p/a products

Aluminum Panels Make Durable Ceilings

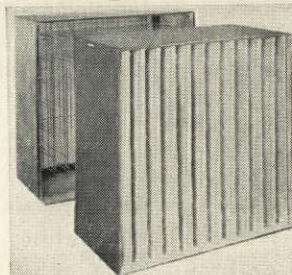
Baked enameled aluminum panels designed primarily for decorative uses in store fronts, marquees, etc., can be applied to other uses. Color-Vee panels are formed in 2", 4", or 8" vee sections, fabricated from 36" wide and 12' long Colorweld flat sheets.

Reynolds Aluminum Supply Company

111

Filters Reduce Air Conditioning Noise

According to recently conducted laboratory tests, "Aerosolve" 12" deep filter for 250 FPM duct velocity contributes substantially to reduction in sound levels in air conditioning systems. All-glass cartridge with fine-fibered glass pad



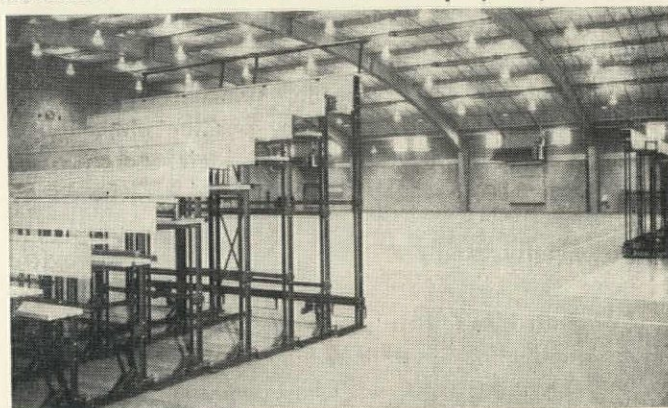
medium provides high dust collection efficiency, is also responsible for noise-attenuation characteristic. New 24" deep filter for 450 FPM duct velocity is also available.

Cambridge Filter Corporation

112

Resilient Gym Flooring Is Continuous Surface

Continuous resilient flooring combines "point loading" resistance and resilience for a "playable" surface. In a high school field house provision was made for the point loading movement of retractable bleachers by specifying a non-



rigid flooring that would take abuse, consisting in general of 2" gravel sub-base; a 5" Bitumuls penetration Macadam base; and surfacing with 1 1/2" of Laykold mastic mix and Laykold colored surface.

Stone Construction Company

State Asphalt Distributing Company

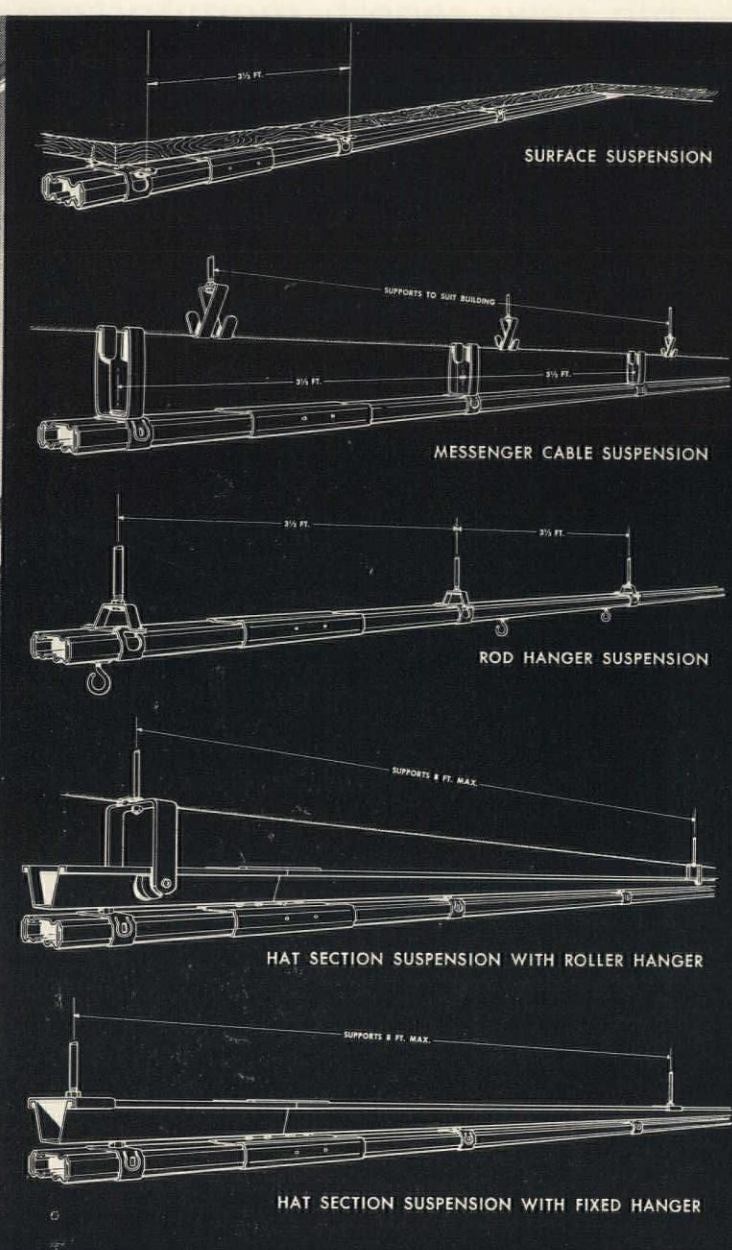
113

Tiny Lamp Increases Light Efficiency

Repeating-iodine-cycle principle is applied to line of pencil-thin incandescent "Quartzline" lamps. Benefits include appreciably greater light, longer life, and elimination of blackening and maintenance in a lamp 200 times smaller than standard. Lamp consists of coiled tungsten filament supported at intervals through quartz tube 3/8" diameter, with push-pull socketing. Currently available in two sizes: 500-w (4 1/2" long, for standard 120-v power); and 1500-w (10" long, for 277-v operation). Rated life of both is 2000 hours.

General Electric Company

114



NEW FREEDOM OF DESIGN— UNIVERSAL LIGHTING DUCT HAS 5 METHODS OF SUSPENSION!

You can solve virtually any lighting fixture placement problem with Bull-Dog Universal Lighting Duct. The pre-fabricated, standardized duct is amazingly easy to assemble and offers a choice of *five different suspension methods* for either the 20-amp or 50-amp ratings. One or a combination of these methods will adapt to any structure . . . and meet any installation requirement quickly and economically.

"ULD" is a continuous electrical outlet, with conductors running the entire length of the duct. Duct sections telescope together mechanically and electrically by a plain coupling. Light fixtures connect quickly by means of

twist-out plugs which can be added or repositioned at any point. Plugs are available for direct fixture attachment or will take a standard attachment cap. The duct both feeds and supports fixtures . . . can be easily relocated as lighting needs change.

Your clients will find Universal Lighting Duct is less costly than installed

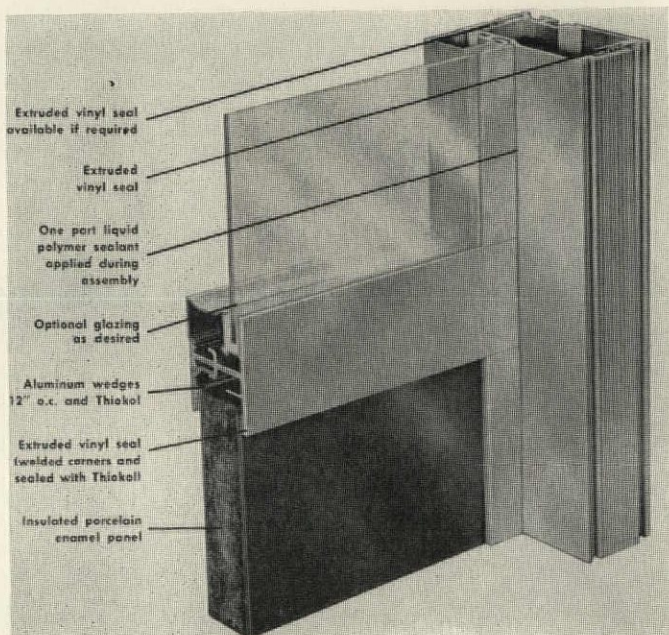
pipe and wire. And if the lighting plan is altered during construction, flexible "ULD" can be repositioned without costly "rewiring".

Inform your customer of the economies of Universal Lighting Duct. He'll find it is the most efficient, economical and flexible lighting duct system available. "ULD" is U/L listed.



BULLDOG ELECTRIC PRODUCTS DIVISION
I-T-E CIRCUIT BREAKER COMPANY
BOX 177 • DETROIT 32, MICHIGAN

In Canada: 80 Clayson Rd., Toronto 15, Ont. Export Division: 13 East 40th St., New York 16, N.Y.



Architects Design Handbook provides full- and 1/4-size detail drawings of all components contained in integrated porcelain-enamel color wall system for one-, two-, and multi-story construction. Details include panels, door framing, sun-control units, and ventilating louvers. Specifications sheet covers materials, fabrication details, structural design, erection, finishes, and protection and maintenance. Among advantages listed are elimination of field caulking, absence of steel sub-framing, ready-for-erection delivery at job site, and one source of responsibility from fabrication through erection.

Texlite, Inc. (AIA 17A, 25-p.)

200

AIR AND TEMPERATURE

Electronic Air Cleaner

Bulletin describes Model B "Rollotron" electronic air cleaner and gives details of operation and electronic principle, explanation of agglomerator and storage sections, equipment drawings, capacity and dimension tables, specifications, list of typical installations, and graphic description of horizontal version of cleaner. Features are simplicity of operation and maintenance; high efficiency with minimum maintenance in one space-saving unit. Needs no water, no washing, no drains, no oiling of plates and has no freezing problems. American Air Filter Company, Inc. (Bulletin 249-A, 16-p.)

201

Heating and Air-Conditioning Equipment

Brochure serves as reference source for wide variety of heating and air-conditioning units furnished from single source. Detailed are features of each product in complete line of box-fin baseboard radiation, industrial and commercial radiation, motorized zone control valves, co-axial refrigerant condensers, Zone-A-Matic packaged heating units, basic boilers and water heaters, Airvec refrigerant condensers, and finned tubing. Edwards Engineering Corporation (4-p.)

202

Control of All Mechanical Systems

Booklet illustrates components and operation of supervisory air-conditioning datacenter—a one-man supervised control console which handles an entire air-conditioning system, may be used as basic unit to control small number of systems. Used with auxiliary selectograph units, system permits practically infinite future expansion, with control of all mechanical systems in a building centralized in the console. Vertical and horizontal selectograph units, installed to match console height, may be installed concurrently with data-

center, or added later. Console is 52" high, 48" wide, 42" deep (including 18" writing shelf), built of standard units with fixed dimensions.

Minneapolis-Honeywell Regulator Company (AIA 30-E, 7-p.)

203

CONSTRUCTION

★ Concrete in Contemporary Applications

Publication contains illustrations and technical information on uses of concrete in existing building types including



shell construction. Shown are versatility of structural application, and attractive and functional results achieved through imaginative use of concrete.

Portland Cement Association (No. 62, 18-p.)

204

Acoustical-Ceiling and Wall-Suspension Sections

Brochure illustrates line of acoustical-metal suspension sections for walls and ceilings. Included are variety of channels, moldings, suspension tees, roof deck cross tees, and necessary parts and accessories. Moldings are galvanized steel, bonderized and coated with vinyl baked-on enamel. Among items listed as of special interest are improved mitre moldings designed to hold 1/2" and 3/4" tile, a special tempered steel "one-hand" clip system which automatically centers itself to all channels and adjusts to possible variation in channel widths.

Brasco Manufacturing Company (AIA 39-B-1, 4-p.)

205

Insulating Marble-Faced Curtain Walls

Manual provides general description of lightweight (claiming up to 50 percent less weight than standard marble veneer) insulative, weatherproof wall panels with Vermarco marble facings, designed and fabricated to combine virtues of real marble with desirable qualities of curtain wall systems. Discussed and illustrated are flush-mount, grid-wall, window-wall panels. Thicknesses including insulation core, in basic series 100, 200, 300, are 3", 1 3/4", 1 1/2". Available in normal sizes up to 20 sq ft surface area. Special reinforced panels can be made larger.

Vermont Marble Company (AIA 17-A, 8-p.)

206

Versatile Aluminum Mill Products

Brochure aids in pinpointing specific properties of aluminum products and applying them accurately to desired end use. Contained are sections on alloy and temper designations, fatigue and shearing strengths, various alloys available in foil, sheet and plate, wire, rod and bar, tubing and pipe, and extruded and structural shapes. Complete specifications included; fabricating and finishing techniques are summarized. Bibliography provides guide to available related literature and movies.

Reynolds Metals Company (18-p.)

207

Uses of Granite in Schools

Brochure illustrates practical, ornamental benefits of granite in school building. Drawings suggest exterior and interior applications at entrances, in floors, wainscots, and gymnasiums, where wearability is a factor. Decorative uses shown include landscape furniture, play sculpture, plaques, and fountains. Stone is available in innumerable shapes, in sizes as large as transportation permits; furnished as thin as 7/8" in pieces up to 5' long and 7' high. Choice of 15 colors from dark red to fresh green; variety of shades from light gray to black. Finishes: polished, honed, rubbed, machined, mello-grooved, and split faced.

Cold Spring Granite Company (10-p.)

208

DOORS AND WINDOWS

Industrial Rolling Doors and Grills

Brochure illustrates existing installations of all types of industrial motor- and manually-operated steel rolling and bifold doors, and metal rolling grills. Information covers conventional service openings, special applications. Features listed are quick easy operation, dependability, maximum safety, general protection, neat appearance, economical installation. List of doors includes steel rolling service doors, steel rolling fire doors, bifold doors, metal rolling grills, steel and wood Röl-Top doors. Book contains index to door types, dimensions, operating data, specifications.

The Kinnear Manufacturing Company
(Bulletin 101, AIA 16-D, 35-p.)

209

Aluminum Storefronts and Entrances

Fact file supplies illustrations, graphic line drawings and photographs of Amarlite aluminum store front and entrance installations. Complete product information on all extruded aluminum components and nylon assembly parts, full specifications provided. Optional equipment and accessories are also discussed and pictured, and a wind load chart with instructions is included.

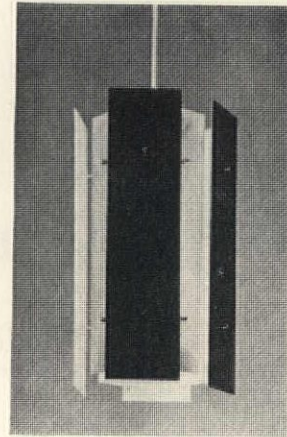
American Art Metals Company (40-p.)

210

ELECTRICAL EQUIPMENT, LIGHTING

Lamps Are of Scandinavian Design

Brochure shows collection of Scandinavian lighting fixtures of all types, combining utility and decorative functions. Lamps are characterized by simplicity of design creating substantial yet airy appearance. Shades come in variety of forms, including abstract and traditional, in a number of



materials. Wire-hung and direct-to-ceiling fixture shades are mat opal glass with oil-finished oak details—also available in other materials including opaline plastic, lacquered metal, raffia, wicker, all-white linen. Same materials apply to wall fixtures and table and floor lamps.

George Tanier Lighting Inc. (100-p.)

211

Safety Factor in Controlled Lighting

Folder emphasizes safety factor of controlled lighting, importance of lighting in reducing accident rate in home, office, store, factory; raising working efficiency level through sharper visual information: gives percentage gains data against traffic accidents, crime rate etc. (compiled from 1923 to date) effected by improved lighting conditions; lists sources from which data was drawn. Current installations are shown.

Holophane Company, Inc. (AIA 31F2, 4-p.)

212

FINISHERS, PROTECTORS

Silicone, Masonry Water Repellents

Folders describe how easy-to-apply silicone, masonry water repellents reduce maintenance costs; include guide form specifications to help specify an effective repellent in the treatment of masonry to prevent efflorescence and staining, weathering, and interior paint damage caused by water penetration in old and new construction.

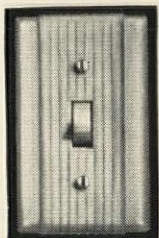
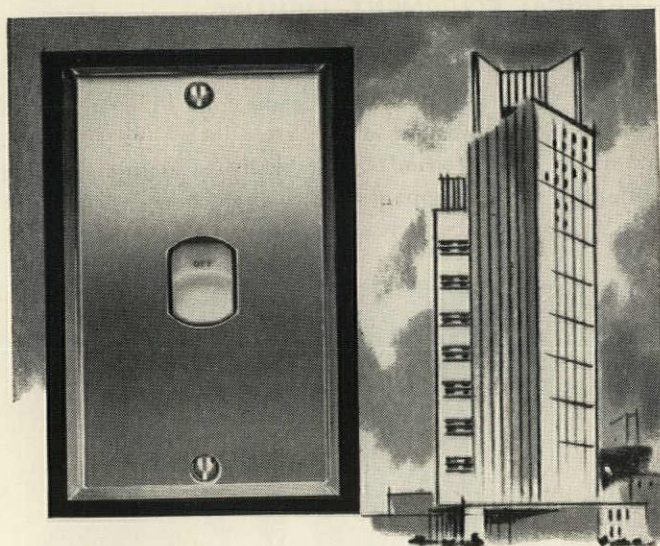
General Electric, Silicone Products Department
(Booklets CDS-118 A, CDS 120 A, 1-p. ea.)

213

SANITATION, WATER SUPPLY, PLUMBING

Packaged Firetube Boilers

Rating book for packaged firetube boilers prepared by the American Boiler & Affiliated Industries, deals with the objectives, test procedures and methods of rating employed by its member companies—packaged steam or hot water fire-tube boiler is defined as a modified Scotch type boiler unit, engineered, built, fire-tested before shipment, and guaran-



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Switch of the
Future
ready for your use
NOW!



**ROCKER-GLO
SWITCH**

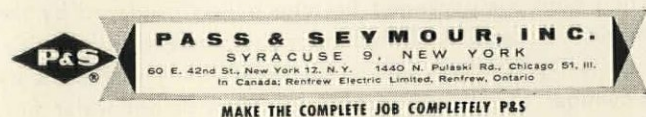
Many of today's switches are specialties primarily for decoration; some others are sturdily constructed for heavy duty performance. Now in one switch these two features are combined — P&S Rocker-Glo. Rocker-Glo's design and action are such that it can be pressed, pushed, rocked or rolled. It has the basic rugged mechanism that insures long, trouble-free performance. Eventually all light switches may have a rocker action — like Rocker-Glo.

Rocker-Glo switches are AC switches designed to be used at full current rating on tungsten filament and fluorescent loads (one switch takes the place of two ordinary AC-DC switches on fluorescent loads). It can be used anywhere old style toggle switches are used.

Rocker-Glo's clean functional lines and soft beauty blend with any decor and add a touch of gracious charm to any type of building.

Available in Despard interchangeable type, Despard type mounted on a strap and narrow rocker for tumbler switch plates. A specification grade switch, 15 and 20 amps, 120/277 volts AC.

Write for free Rocker-Glo bulletin, Dept. PA-859



For more information, turn to Reader Service card, circle No. 305

p/a manufacturers' data

teed in material, workmanship and performance by one firm, with one manufacturer furnishing and assuming responsibility for all components in the assembled unit. List of member companies is given.

American Boiler & Affiliated Industries, 15 Park Row, N. Y. 38, N. Y. (\$1.00)

Decorating Ideas for Bathrooms

Book contains full-color illustrations of contemporary bathrooms, aids in determining colors and arrangements, selection of fittings and fixtures. Provides a good source of decorating ideas for bathrooms.

Kohler Company (20-p.)

214

Folding Tables and Benches

Catalog on line of "One-Fold" tables carries complete details on portable tables with benches, portable tables without benches, wall tables with benches, and wall tables without benches, for school lunchrooms, cafeterias, multipurpose rooms. Available in wide range of sizes for achieving most efficient solution to any given problem. Portables and wall tables, with and without benches, are available in 6', 7', 8', 10', and 12' lengths. Information on other products for multiple use of space, such as fold-away tennis tables, band stands, stages, and choral risers, is also included.

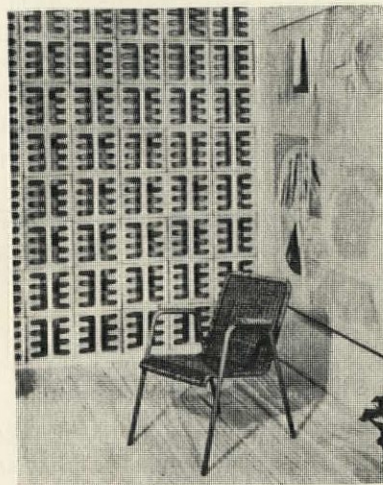
Haldeman-Homme Manufacturing Company
(Catalog 625, 20-p.)

215

SURFACING MATERIALS

Sculptured-Ceramic Wall Surfacing

Booklet illustrates custom-made, hand-pressed material in sculptured-ceramic wall surfacing—shows many possible tile pattern and color design variations; gives information re-



garding use, installation, colors, other pertinent data. Also included are photographs of murals, outdoor screens, decorative sand urns, planter boxes, jardinier and wall decorations, other accessories.

Design-Technics (Dept. AC, 20-p.)

216

Outlasts conventional paint coatings by many years

NEW GLID-TILE

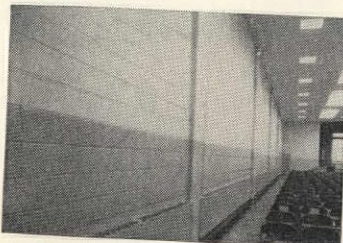
...beautifies and upgrades at the same time!

It pays to specify GLID-TILE for heavy traffic areas in offices, schools, institutions and plants, and for problem areas in food processing plants because of its resistance to impact, abrasion and most chemicals. GLID-TILE is a special polyester resin spray finish that lasts a lifetime. It is comparable in beauty and durability to glazed, ceramic or structural tile, yet the initial cost is substantially less.

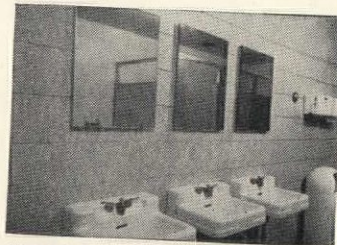
GLID-TILE gives masonry block, concrete, plaster, wallboard, metal and wood surfaces a tough, protective finish nearly twenty times as thick as the average paint film in a standard two-coat system. And it is far more durable. For example, tests have shown that under heavy impact, a sub-surface of concrete broke before the GLID-TILE finish was destroyed!

It's almost impossible to scratch or mar GLID-TILE. Most acids and solvents, plus alkaline detergents, grease, oil and hot water won't harm it.

New GLID-TILE is available in eggshell or glossy finishes of almost any pastel color—in plain, spatter or web effects.



The tile-like finish seals and smooths the entire wall including mortar joints—for fast, easy maintenance.



Walls in high-traffic areas retain their tile-like beauty for many years.

* For complete details, attach coupon to your company letterhead and mail.



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The Glidden Company

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- ☐ Free specification folder
- ☐ Name of local GLID-TILE applicator

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MODERNFOLD'S new "Soundmaster" doors divide space quickly...retard sound efficiently!

VERSATILE MODERNFOLD DOORS make your rooms do double duty. They divide one room into two, three or more...instantly!

NEW "SOUNDMASTER" DOORS are the answer to your sound control problems. Tough, noise-deadening liners are used on both sides of the steel inner framework. And sweep strips are attached to top and bottom. Every opening through which sound might pass is sealed off to control sound as never before possible!

FAMOUS FABRIC LINE offers new patterns and weaves, all washable, durable. With Modernfold's exclusive

double-strength, all-steel inner framework for perfect balance, lifetime service!

"NEOWOOD", NEW WOOD GRAIN LINE for modern or traditional settings. These narrow-stacking doors are durable, quiet and easy-gliding. Available in oak, walnut, mahogany or birch finish.

Find out how Modernfold Doors can help solve *your* space problems. Call on your Modernfold distributor. He is listed under "Doors" in the Yellow Pages.



*the first and finest
in folding doors*

NEW CASTLE PRODUCTS, INC., Department 2, New Castle, Indiana. Manufacturers of "Modernfold" Folding Doors, "Air Doors", "Modern-cote" Wall Coverings and "Peabody" School Furniture. In Canada, New Castle Products Canada, Ltd., St. Lambert, Que.

New Castle Products, Inc., Dept 2, New Castle, Indiana
(In Canada: New Castle Products Canada, Ltd., St. Lambert, Quebec)
Gentlemen: Please send me complete information about MODERNFOLD doors.

Name _____

Company _____

Address _____

City _____ Zone _____ State _____

For more information, turn to Reader Service card, circle No. 307

Looking Forward to September PROGRESSIVE ARCHITECTURE

WALL ASSEMBLIES

A number of limited-height structures serving various functions will be presented in SEPTEMBER P/A. Common denominator in the presentations will be the emphasis on the methods of *wall assembly* used in each building. Details of the exterior walls of these buildings, plus other examples of different assemblies, will be gathered in a special reference section. This section, together with two technical articles (one on "Curtain-Wall Specifications" and another on "Sealants") will make SEPTEMBER P/A the most authoritative issue on curtain wall construction to appear since the High-Rise Building/Curtain Wall issue of June 1957.

Major buildings to be examined in September include International Brotherhood of Electrical Workers Building, San Francisco, by Francis Joseph McCarthy; IBM Regional Headquarters, Los Angeles, by Pereira & Luckman (now Charles Luckman Associates and William L. Pereira & Associates); Sun-Times Building, Chicago, by Naess & Murphy; Texas Instruments Laboratory and Plant, Houston, by Ford, Colley and Tamminga; and Frederick U. Conard High School, West Hartford, Conn., by Nichols & Butterfield.

THE NEW SENSUALISM: Part I

A highlight of SEPTEMBER P/A will be the beginning of a two-part critique of the "New Sensualism" in today's architecture. (Part II will appear in October.) The increasing concern of many architects with the current trend towards architecture of an emotional nature—Yamasaki's "delight," Stone's evocation of past elegance, Rudolph's structural imagery—will find answers (and provocations) in this liberally-illustrated, thoughtful examination of the goals and accomplishments of our "sensualists."



Photo: Julius Shulman

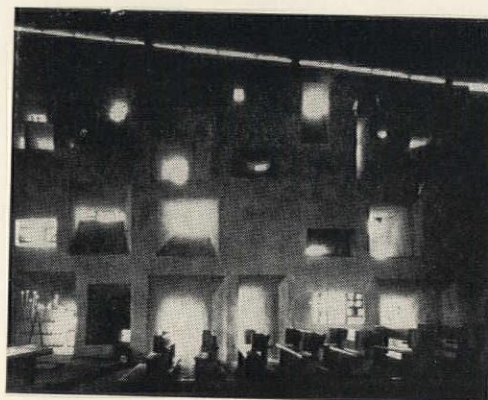


Photo: Hedrich-Blessing



Photo: Louis Reens

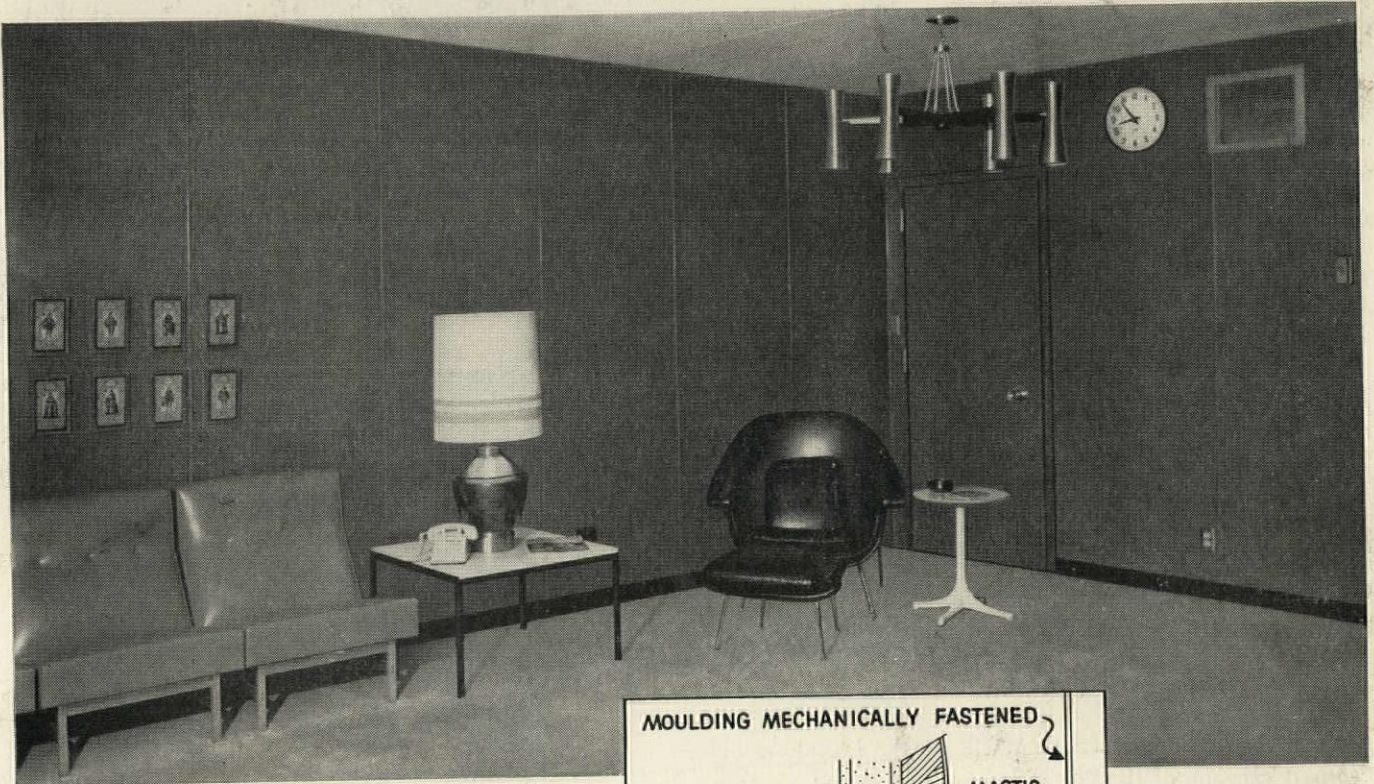


CONSOWELD

APPLIED DIRECTLY OVER MASONRY WALLS

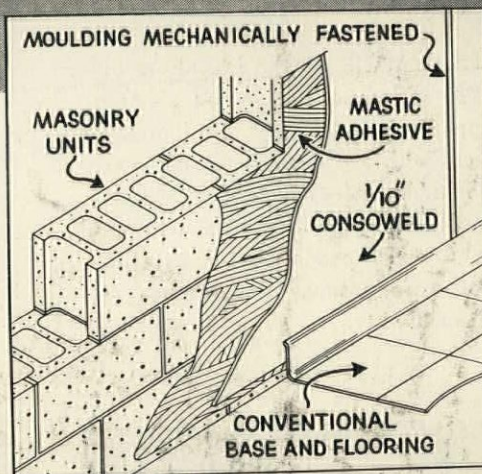
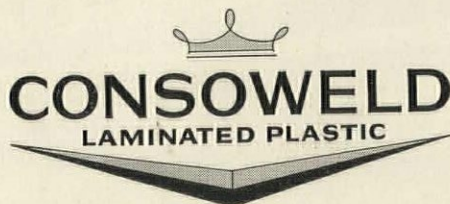
saved installation costs and will continue to
save on maintenance, year after year!

YMCA CENTER, PORT EDWARDS, WISC. ARCHITECT: DONN HOUGEN



Consoweld 10, the extra-thick (1/10-inch) laminated plastic, was applied directly over masonry walls in this new YMCA building. It required no special preparation, no bracing or shoring. Materials used were Consoweld 10, patterned-matched mouldings (mechanically fastened), and Consoweld Mastic Adhesive. Consoweld's "Platinum Walnut" was selected from a wide variety of color-tuned patterns to create a highly functional yet striking design effect. Consoweld's durable, long-wearing surface reduces maintenance to an absolute minimum . . . never needs painting or refinishing.

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Consoweld 10 lends itself to all types of vertical surfaces. It can be applied directly over plywood, gypsum board, gypsum lath or masonry units. Consoweld 10 is nationally distributed by more than 100 distributors strategically located across the country.

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