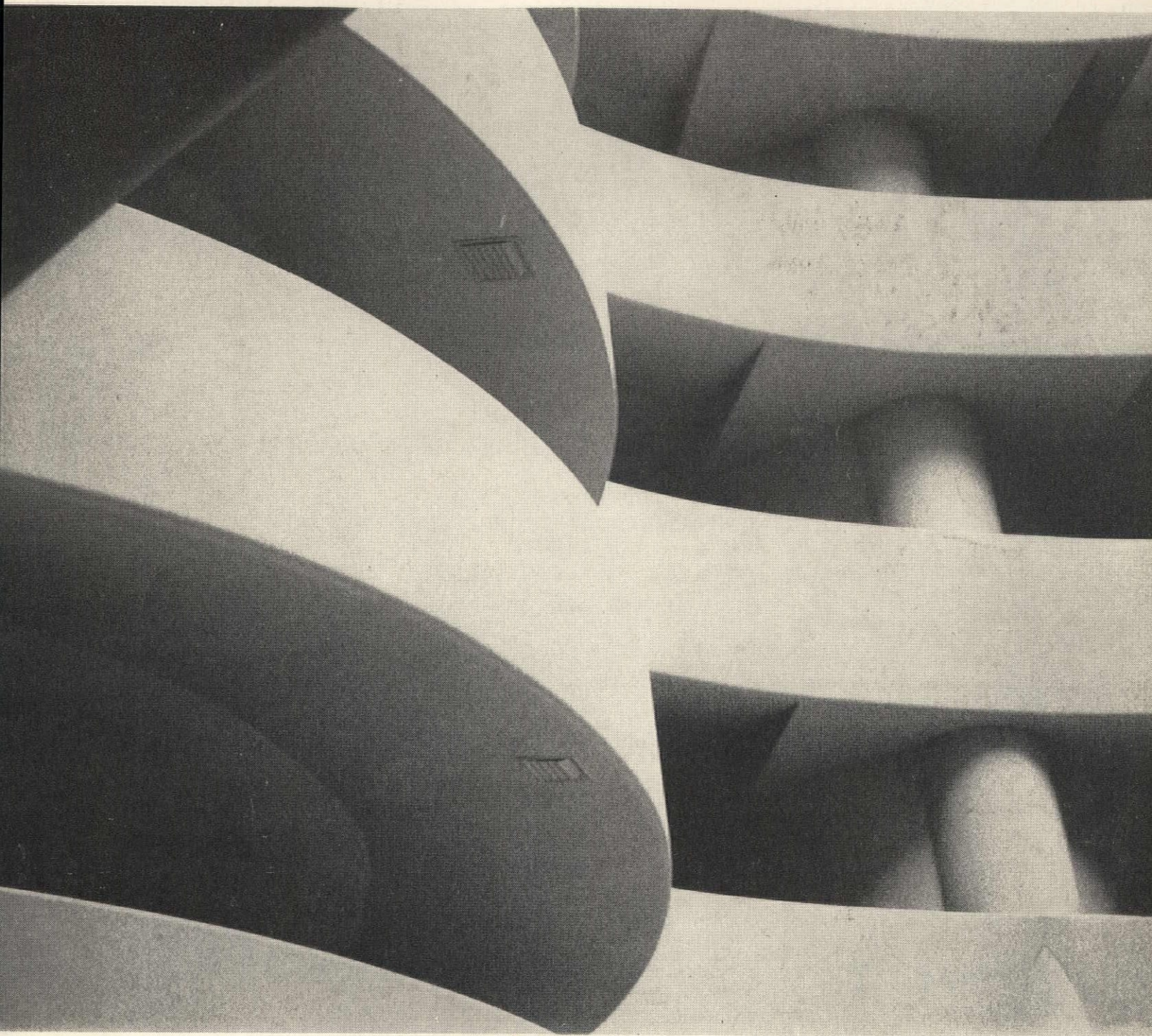
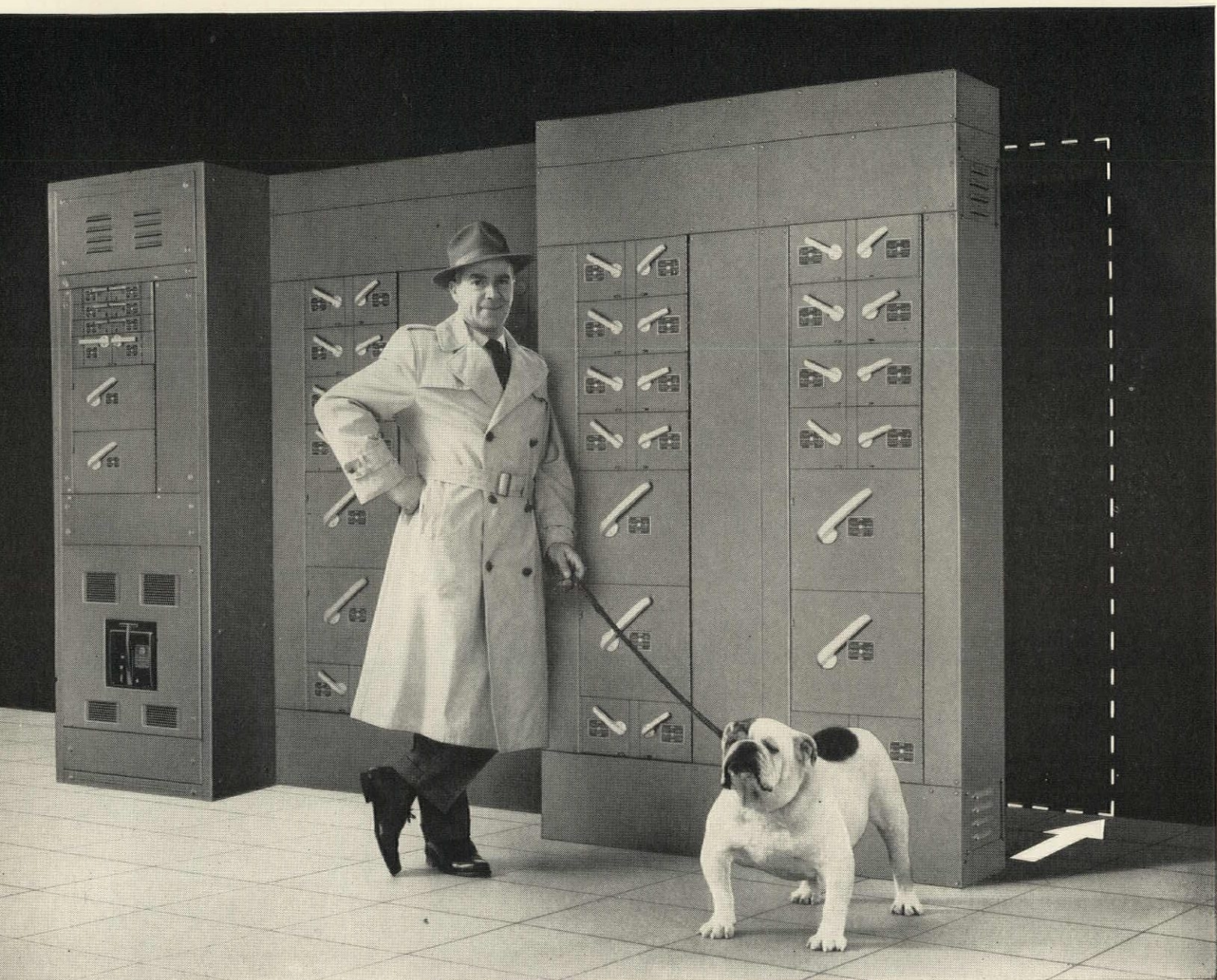


PROGRESSIVE ARCHITECTURE **news report**



- Guggenheim Museum Spirals Toward Completion (above)
- Yamasaki Translates "Delight" into Architecture
- Pre-Fabricated Wall System Integrates Three Elements



ADD-A-UNIT DESIGN CUTS INSTALLATION COSTS



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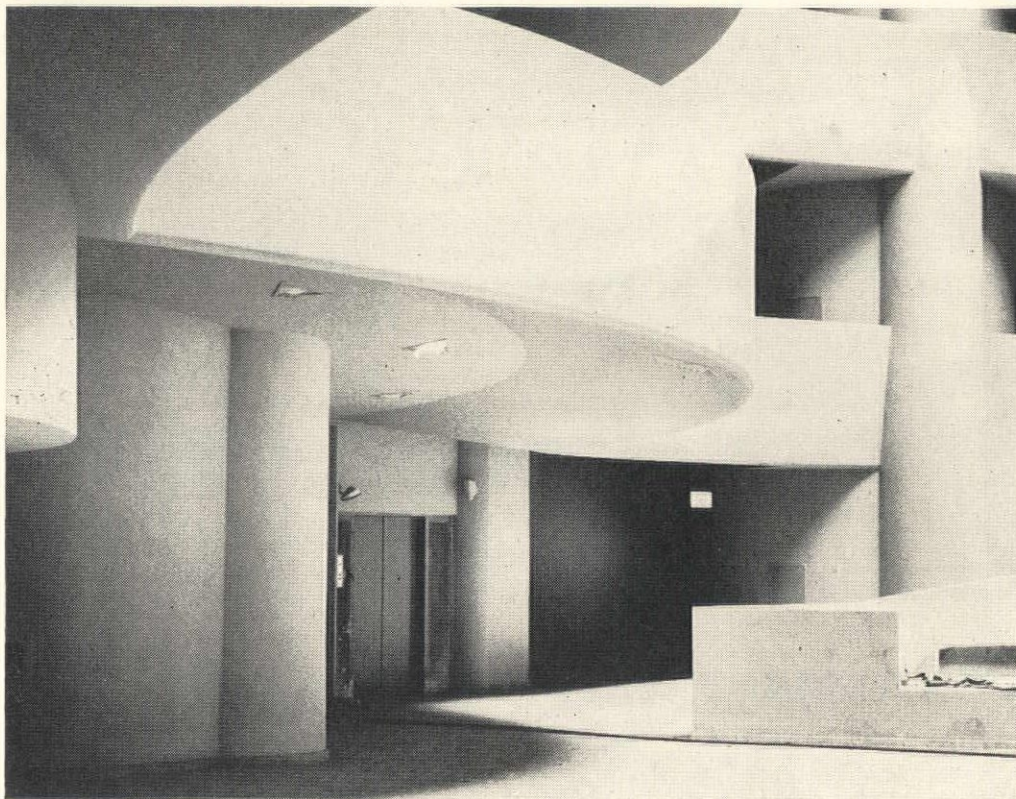
Vacu-Break® switch units provide maximum safety, too. Arcs are smothered quickly inside compact Vacu-Break chambers. Pitting and burning of contacts are reduced to an absolute minimum—maintenance is virtually eliminated.

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GUGGENHEIM MUSEUM SPIRALS TOWARD COMPLETION

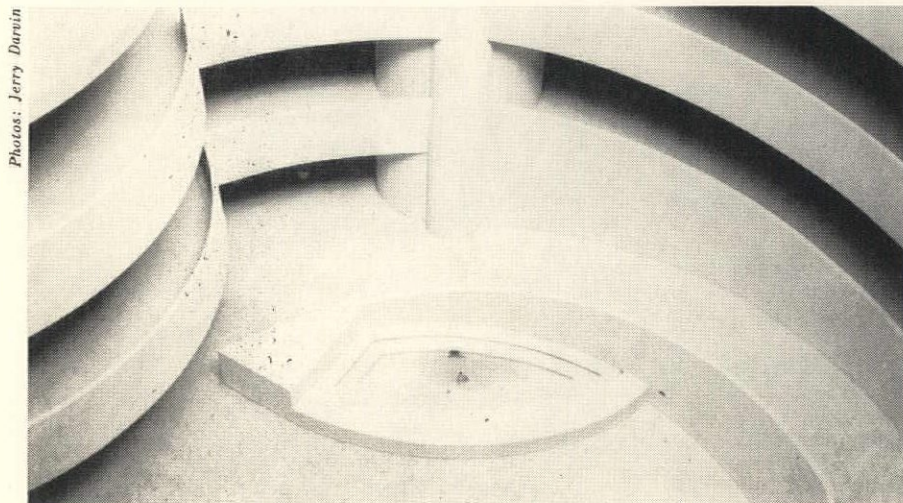
Photographs Reveal Interiors at Last

NEW YORK, N. Y.—The hitherto virtually inaccessible interior of Frank Lloyd Wright's Solomon R. Guggenheim Museum has been entered and photographed. The intrepid photographer responsible for the pictures on these pages reports that, after finally having gained admittance to the museum, he had to take shots with a camera concealed beneath his coat, while an omnipresent watchman's back was turned.

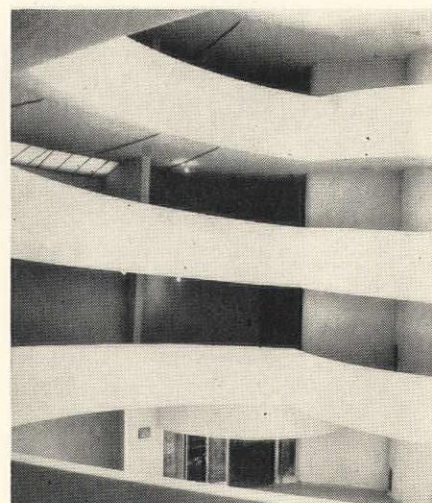
The photographs reveal an interior at once exciting and dismaying. Exciting, as most of Wright's structures are, for a daring unconventionality of form and function. Some of the detailing of the museum (such as the French doors in

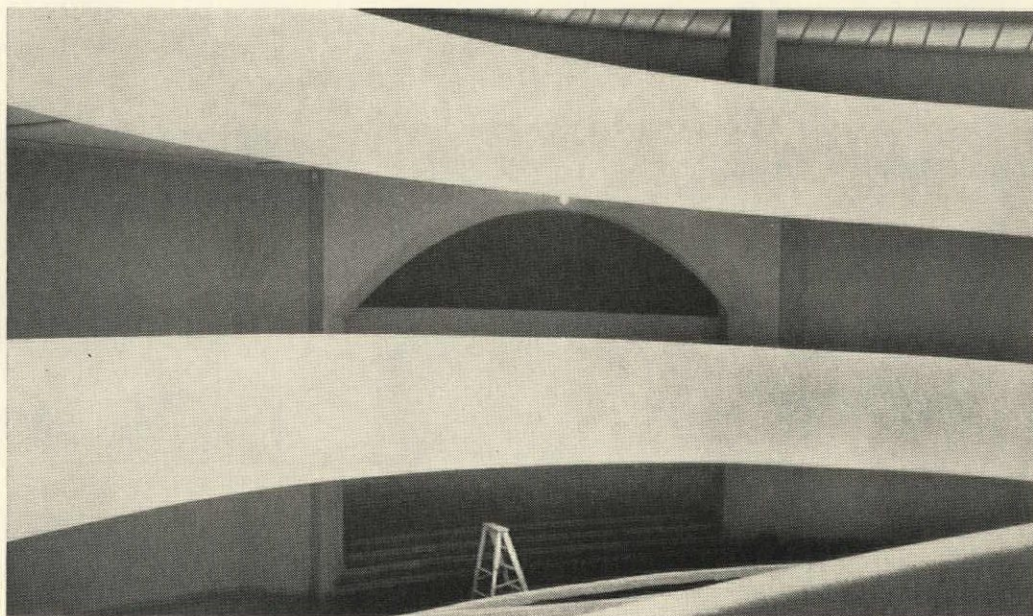
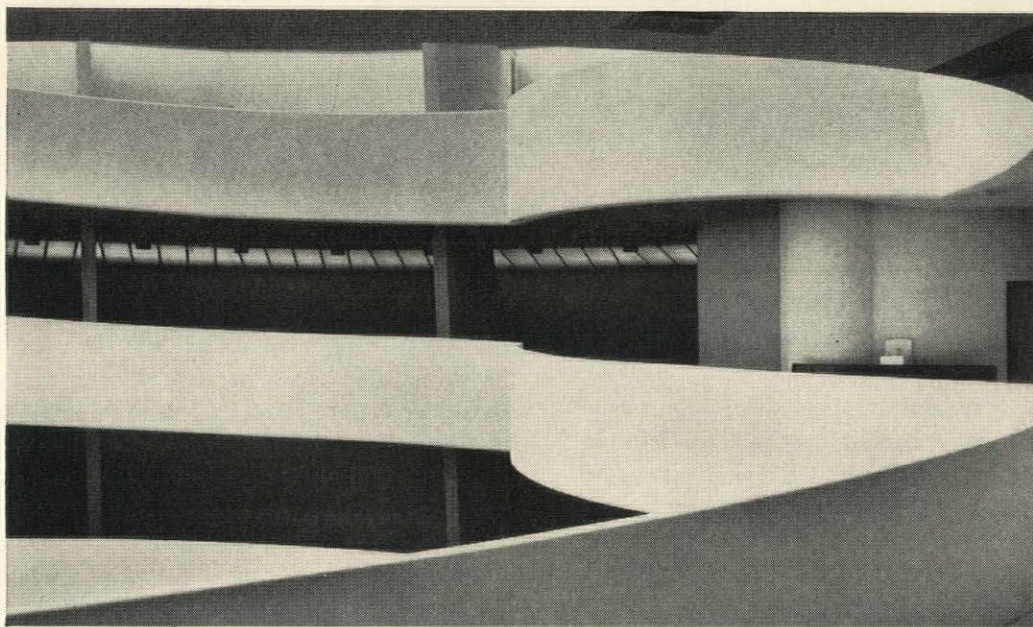
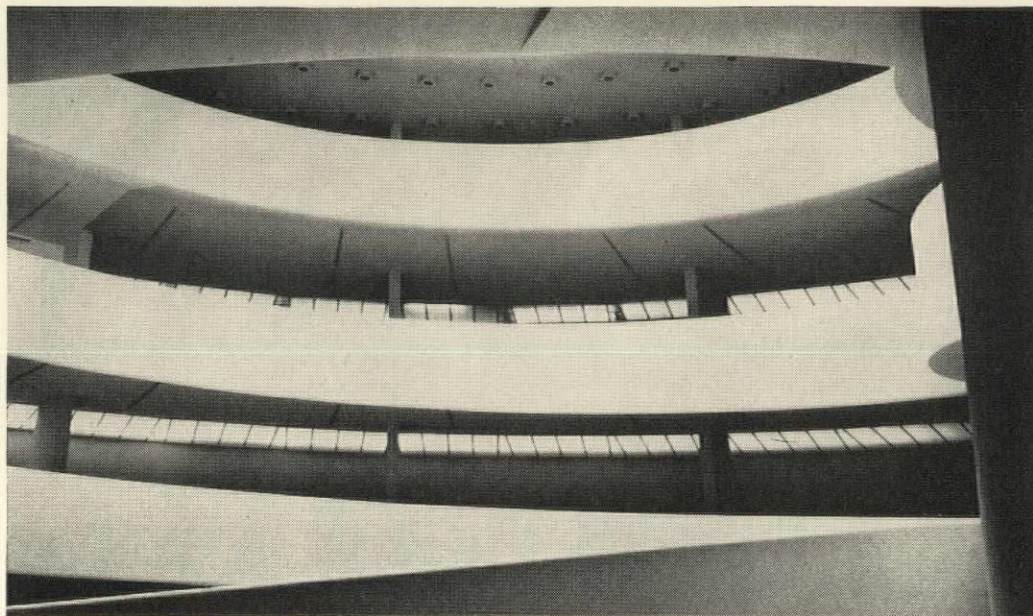
the office wing) may be labelled Art Nouveau, but the feeling of major spaces is one of drama and sweep. The interior is dismaying when one thinks of the probability of the museum—and not the paintings—becoming forever the cynosure. An indication that the museum authorities are concerned with such an eventuality is that they are rumored to have scheduled a secret hanging to see how the building will perform its basic function. James Johnson Sweeney, director of the Guggenheim, was approached by P/A for his opinion of the new structure. He declined to state his views until the building is totally completed.

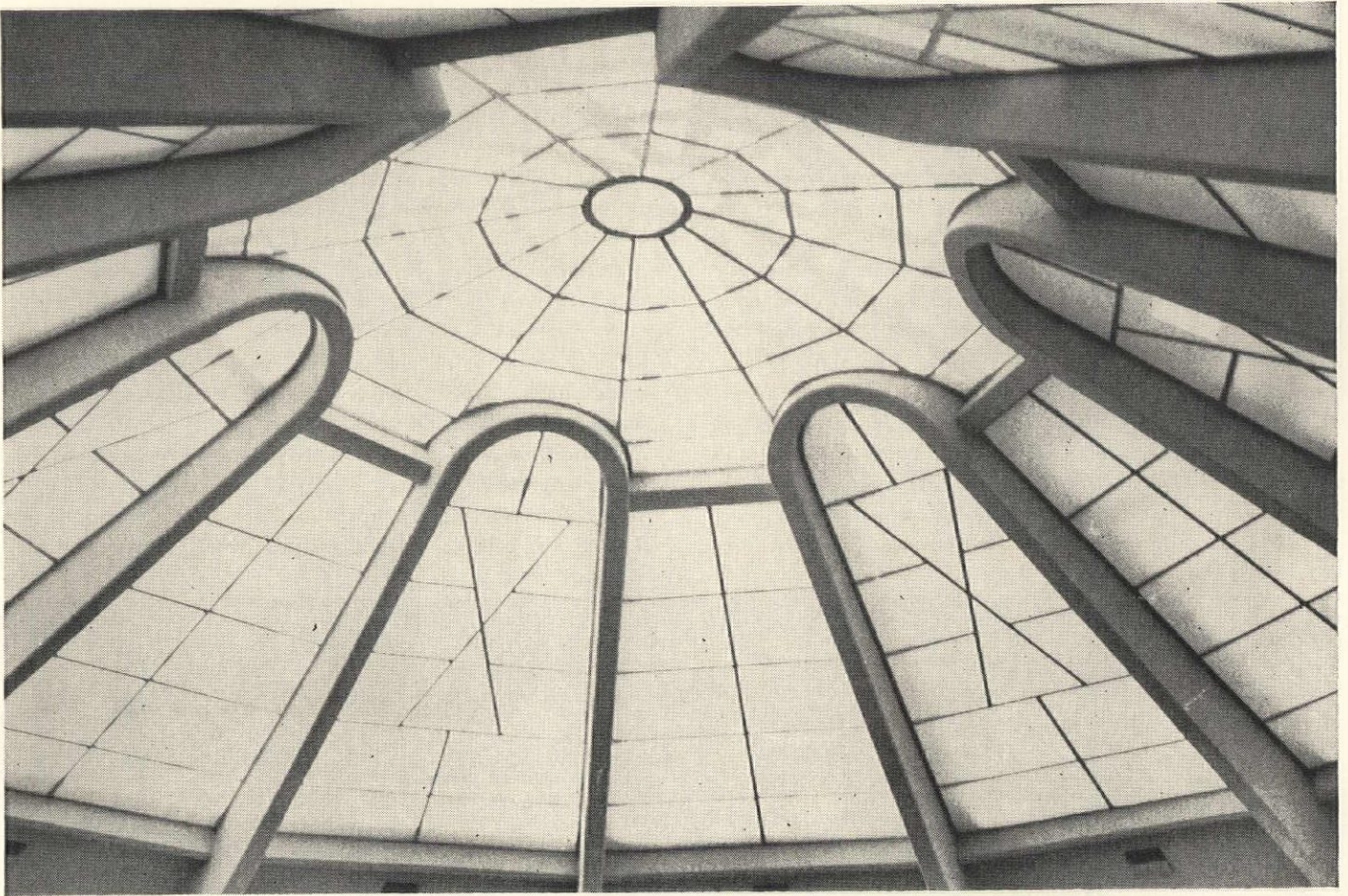
From the ground floor of the museum, one is conscious



Photos: Jerry Darvin





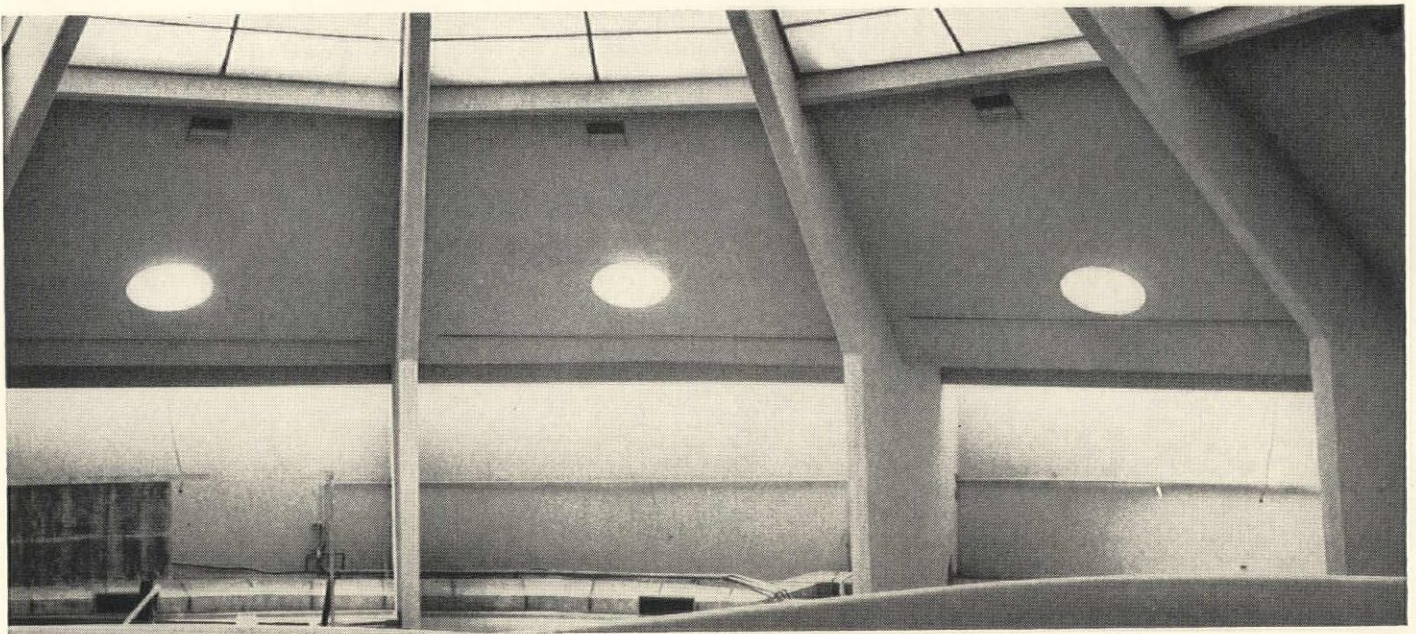


of being in a great well of light. On all sides, the white ramps spiral upward to the spider-web dome at the pinnacle of the structure. (Wright, incidentally, had specified light tan as the color of the interior walls—similar to the exterior color. This was changed to white, reportedly at the behest of the museum authorities.)

Those who have been in the museum report no discomfort in climbing or descending the ramps. The outer walls of the building furnish the main exhibit space (acrosspage). An elevator is located in the center core for those who wish

to ride up and walk down. The ramps are lighted both naturally—by peripheral window bands—and artificially. A separate exhibit area for changing shows is approached through a large entrance, just as one starts up the ramp.

The concrete ribs which begin to ring the ramps as the ascent is made, finally pair off at the top of the museum to form loops penetrating almost to the center of the great dome (above). Here, one re-emerges into full view of the super-skylight which had so dominated the eye when viewed up the circling ramps from below.



UNIVERSITY HOUSING WILL BE PEDESTRIAN COMMUNITY

First Units of Staff Apartments Begun

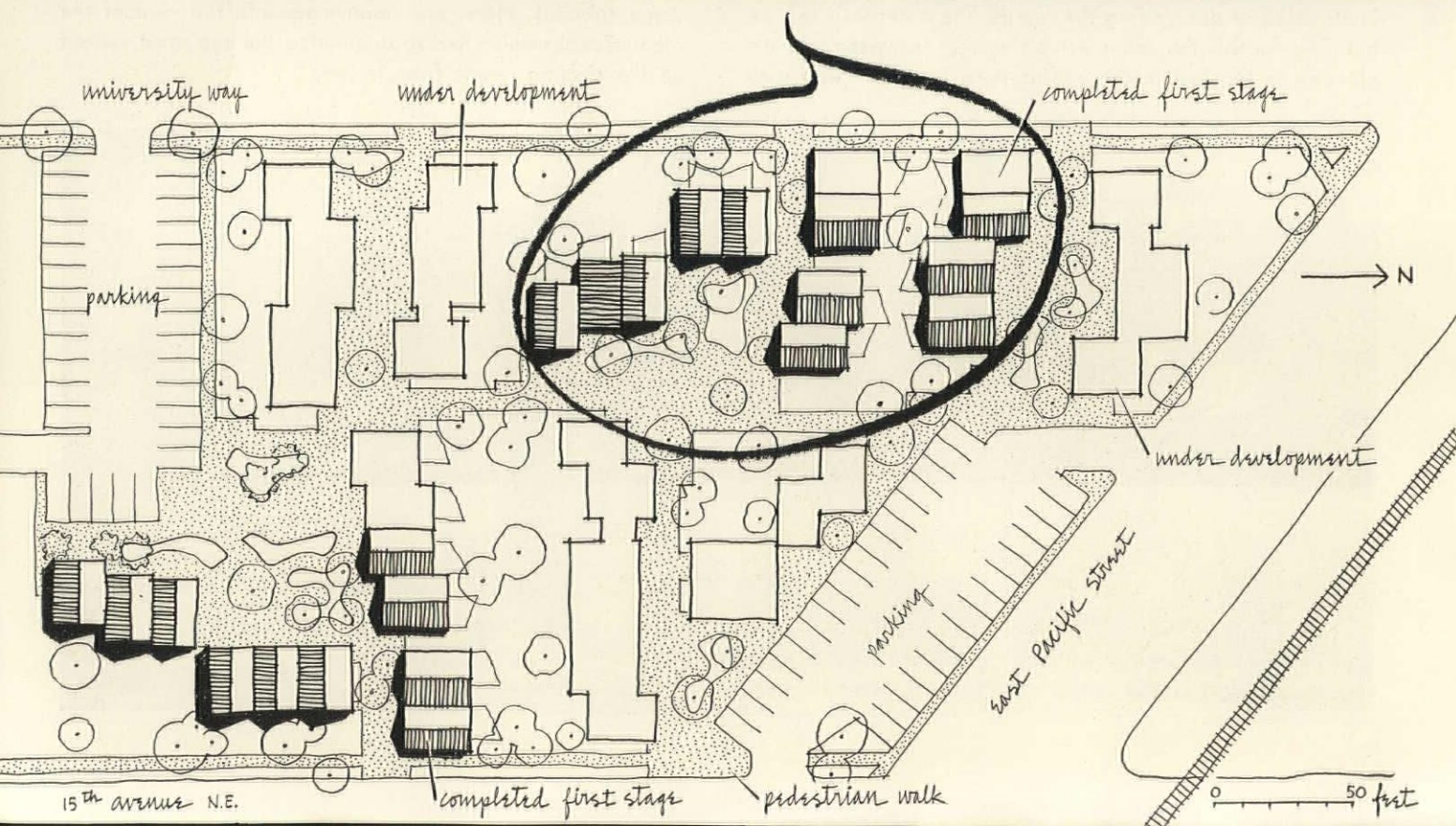
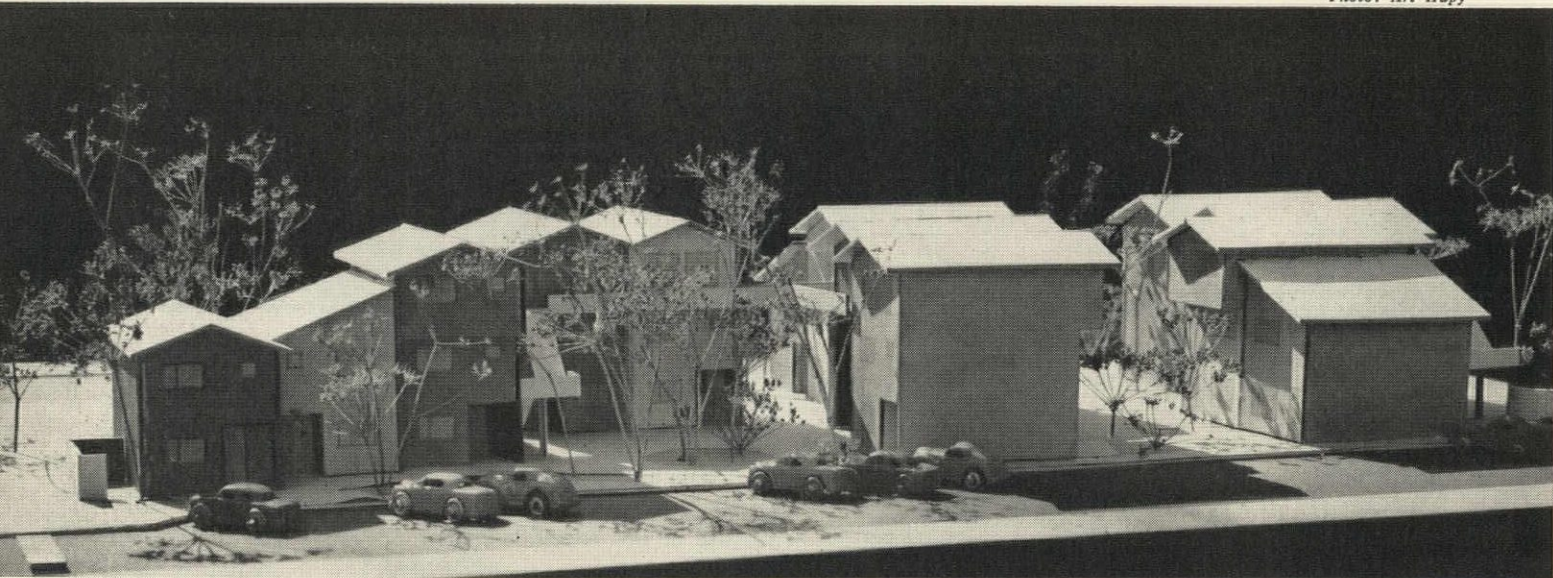
SEATTLE, WASH.—A delightful, noninstitutional community has been designed for the staff of the University of Washington Hospital here by Architects Bassetti & Morse. If completed as plans indicate, this project will be in microcosm a successful example of what Victor Gruen, in this issue of P/A, states is the desirable aim of urban planning—the orientation of plan and design toward the human being rather than the machine.

The first stage of staff housing contains 16 one-bedroom, 15 two-bedroom, and 8 three-bedroom units. The two- and three-bedroom units are for families with children, and are consequently entered on the ground floor so that children can play in private green areas and terraces. The third floor

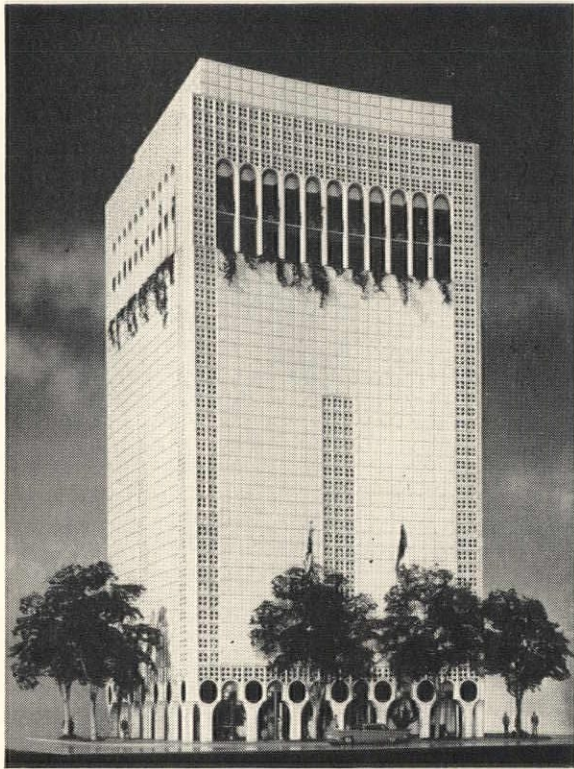
contains one-bedroom apartments for single people or couples without children. A system of access balconies and bridges which interconnects apartment units at this level will permit residents to form their own sort of "studio community." Each unit in the project will be painted a different color for "gaiety and identification." The steel bridge-balcony structure will be rustproof orange with white balustrade panels. Construction is wood frame with exterior wood siding and composition roofs.

Associated with Bassetti & Morse are: Mechanical Engineers, Stern & Towne; Electrical Engineers, Beverly A. Travis & Associates; Landscape Architects, Eckbo, Dean & Williams; General Contractor, Century Construction Co.

Photo: Ari Hupy

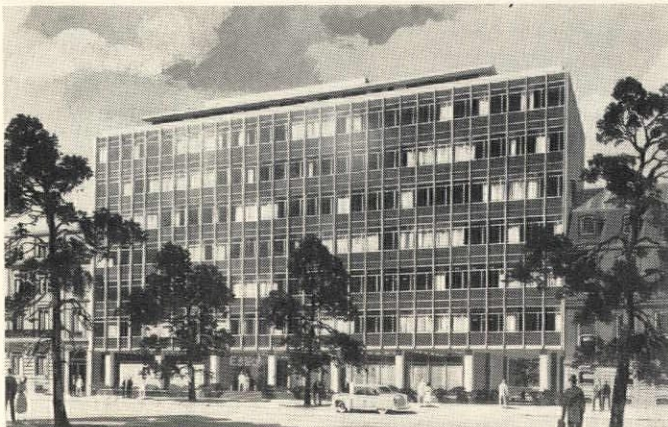


ARCHITECTURAL BULLETINS



● New York's newest Stone will be marble. Gallery of Modern Art, designed for A&P heir, Huntington Hartford, will be erected on Columbus Circle near site of Lincoln Center. Architect Edward Durell Stone has conceived a white, Vermont-marble sheathed tower with window perforations only at edges and top of the building. A loggia will circle free-standing structure at ground level, and tall arches will pierce marble expanse on the upper floors. Elevator will take visitors to fourth floor, top floor of gallery, whence they will descend to ground floor while viewing art. Lounges will occur at intermediate levels for relaxation.

● Headquarters office building for ESSO in Antwerp, Belgium, was designed by Lathrop Douglass, New York. Façade will be aluminum and glass with deep vertical fins and shallow horizontals and sash. Spandrels will be gray, end walls pink-orange brick, and columns at street level will be veneered with white stone. Building will contain a

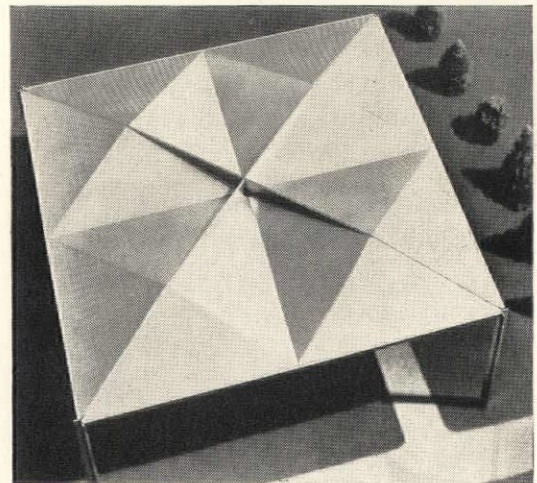


cafeteria and employe parking facilities.

● Friends of the late George A. Sanderson will be interested to know that the fund established for Nantucket Boys Club in his memory has grown to more than \$500 since his death, April 12. Those wishing to add to this sum should write: Director, Nantucket Boys Club, Nantucket, Mass.

● Bills aimed at preservation of historic sites and structures have been introduced by Sen. Hubert H. Humphrey and Reps. Harris B. McDowell, Jr., Henry S. Reuss, and Frank Thompson, Jr. Humphrey-Thompson bill would halt Federal funds to Federal projects or state projects aided by Federal money if Secretary of Interior determines that historic structures are being threatened.

● Gazebo by Eliot Noyes is 15th addition to Alcoa's "Forecast" collection. Structure, of aluminum columns supporting roof of foamed-plastic-aluminum structural sandwich, is appropriate for summer house, carport, boathouse, poolside or dance pavilion, commuter station platform shelter. Under-side elements of 20'x20' shelter can be colored in various hues, or given over-all color to reflect in many facets. Noyes thinks gazebo should not be attached to another



building, but may be used in multiples of itself. Werner-Jensen & Korst were engineering consultants.

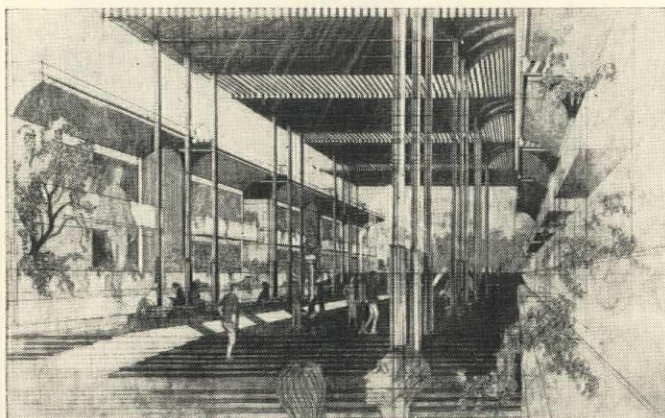
● Architect Edward Larrabee Barnes, in accepting the Arnold Brunner Award at the National Institute of Arts & Letters, stated that this is a time of consolidation in architecture. "Today we tend to elaborate or decorate or refine. Sometimes we lose ourselves in a specialty such as structural expression or pure esthetics. . . . Our profession by definition is constructive. The architect cannot satirize his era or escape from it. We are obliged to seek out the meaning of our day and deal with it. . . . The age of space is upon us. The architect cannot retreat to a special world of design. Our work must grow and move ahead, and we must express in space the best potential of our time."



● Home Insurance Company of Hawaii building in Honolulu will have aluminum sunscreen designed by Architects Wimberly & Cook. Screen will be several feet from walls of building, allowing light and vision, while giving protection from sun. Catwalks will occur between sunscreen and walls. George V. Whisenand is Associate Architect.

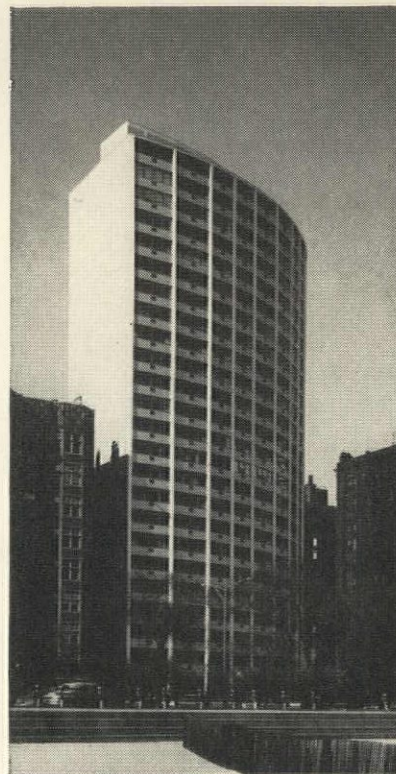
● Winners in product design competition conducted by Materials in Design Engineering included remote-reading water meter by Research & Development Dir., Badger Meter Manufacturing Co., and new toilet ball cock by Fluidmaster, Inc.

● Richard J. Neutra headed jury composed of Ernesto Rogers (Italy), C. Van Eesteren (Holland), L. Stynen (Belgium), M. Titz (Belgian Congo), that chose winners from 126 entries in competition for cultural center in Leopoldville, Belgian Congo. No first prize was awarded; three second prizes were given, four third prizes, four special mentions. Only winner from U.S. (below) was by Gunnar Birkerts and A. and D. Haner; it won a third prize. Second-prize winner by F. Humblet of Belgian Congo (bottom) proposed tropical park with auditorium situated on reflecting lagoon.



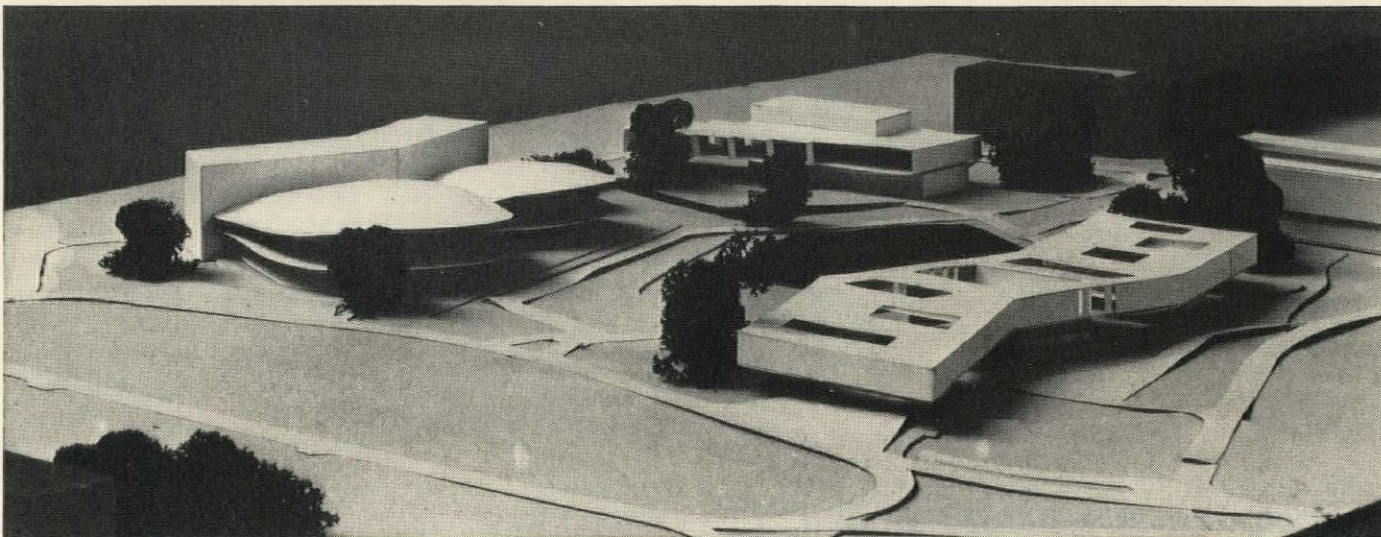
● American Standards Assn. is canvassing architects and engineers to learn views concerning possible U.S. participation in setting up international standards on methods of static calculation of building construction. Report goes to International Organization for Standardization, July 31.

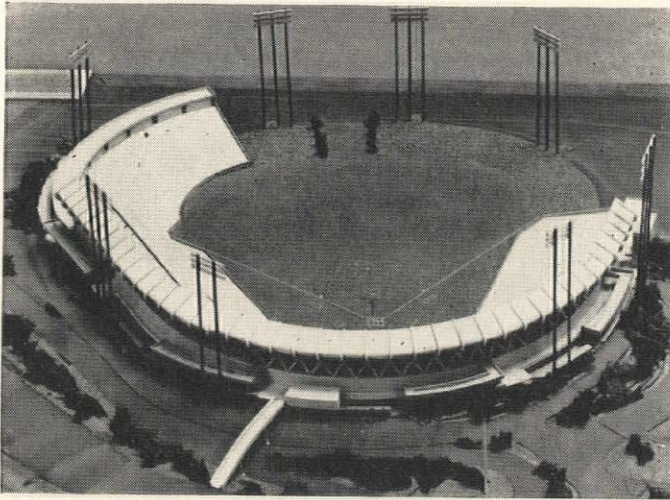
● Twenty-four-story apartments on Chicago's Lake Shore Drive by Architects Hausner & Macsai is of reinforced concrete with diaphragm walls to compensate for wind loads. Circular form was developed to provide more lake frontage; 76 ft more than square building. Exterior exposed concrete is painted white and spandrels are blue, glazed



brick. Structural Engineers, Paul Rogers & Associates; Mechanical Engineer, William Goodman.

● R. Buckminster Fuller received honorary Master of Arts degree from Southern Illinois University, where he has been visiting professor. . . . Professors A. Henry Detweiler and Thomas H. Canfield of Cornell University's College of Architecture, plus two Cornell architecture students, are members of an archeological expedition to Sardis, Turkey, to dig at the capital of King Croesus. . . . Architect Richard A. Kimball, of Gugler, Kimball & Husted, New York, has been appointed director of American Academy in Rome.





● Candlestick Park, new home of San Francisco Giants, will be world's first heated, open-air stadium. Designed by Architect John S. Bolles, stadium will accommodate 40,000 fans, can be enlarged to handle crowd of 80,000. No seat will be behind a column. There will be only 26 supporting posts, each 20 ft from back of stadium. Radiant-heating system will be immediately below precast-concrete seats of reserved section. Eagleson Engineers of San Francisco worked with Bolles on design of heating system.

● Newly founded American Museum at Claverton near Bath, England, will be directed by Ian McCallum; will open in summer of 1961. . . . Nathaniel A. Owings, of Skidmore, Owings & Merrill, is one of the 32 new directors of Committee for Economic Development. . . . Marve Narramore is new Managing Director of Perlite Inst.

● AIA gave honorary membership to Gen. J. S. Bragdon, Special Asst. to President in charge of co-ordinating public works. . . . James M. Kennedy, Chairman of Board of Revere Copper & Brass, Inc., was re-elected president of Copper & Brass Research Assn. . . . Gold Medal of Acoustical Society of America was awarded to Edward C. Wentz of Bell Telephone Laboratories.

● International Summer Seminar of Architecture will be held in Venice, Italy, Sept. 1-27. Write: Seminario Internazionale Estivo di Architettura, Istituto Universitario di Architettura, Fondamenta Nani 1012, Dorso Duro, Venezia. . . . Annual meeting of Porcelain Enamel Inst. occurs at White Sulphur Springs, W. Va., Sept. 24-26. . . . Cincinnati will be scene of National Assn. of Housing and Redevelopment Officials 1959 Annual Conference, Oct. 18-21.

● M. Jean Tinguely of Paris has invented machines to make abstract paintings, according to Art Buchwald. Machines have arms holding colored crayons which can be changed as "painting" proceeds. Speed of machines can be varied during creation of picture. M. Tinguely says machine must be credited by person who uses it; paintings are stamped "Painting Executed in Collaboration with Metamatic Machine No. ____." He claims process will revolutionize art world.

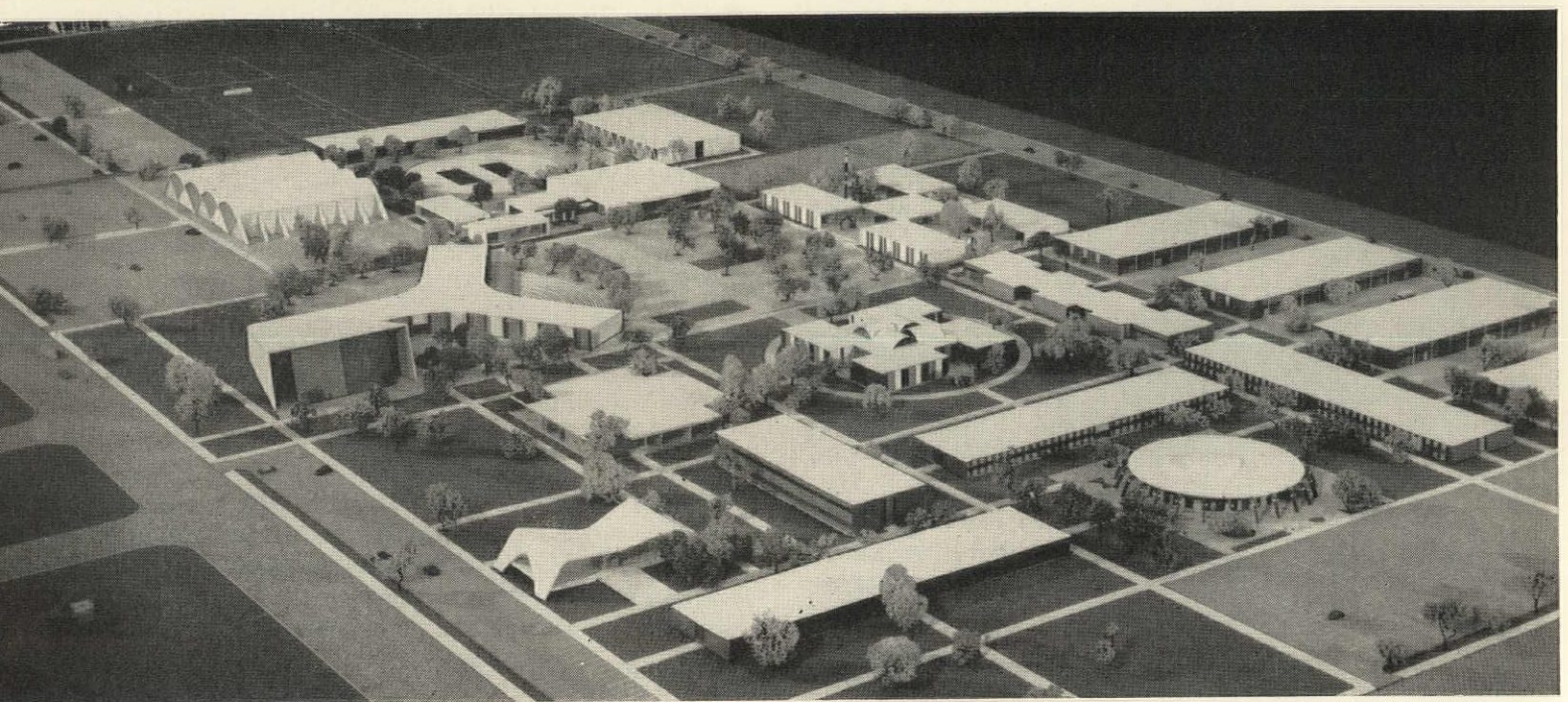
● Los Angeles Architect Robert E. Alexander has been retained by Office of Civil and Defense Mobilization to make study of fallout shelter resources of Contra Costa County, Calif. He will be aided by City Planner Harold F. Wise.

● Architect Martin Guttman, Camden, N.J., has designed 17-story luxury hotel for the banks of the Rhine near Andernach, Germany. Guttman says German government offices have approved the project, relaxing certain laws prohibiting erection of tall buildings on Rhine near ancient castles.



● Exhibition of recent paintings of Bernard Buffet in New York revealed great interest of French artist in city's architectural scenes during 1958 visit. Paintings included views of Brooklyn Bridge (below), United Nations, Park Avenue, and financial district. Show is now on tour in other U.S. cities.



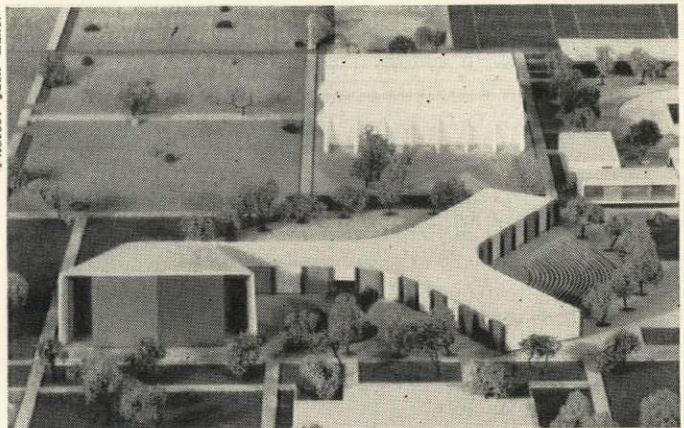


CALIFORNIA COLLEGE HAS COLORFUL, MANY-SHAPED BUILDINGS

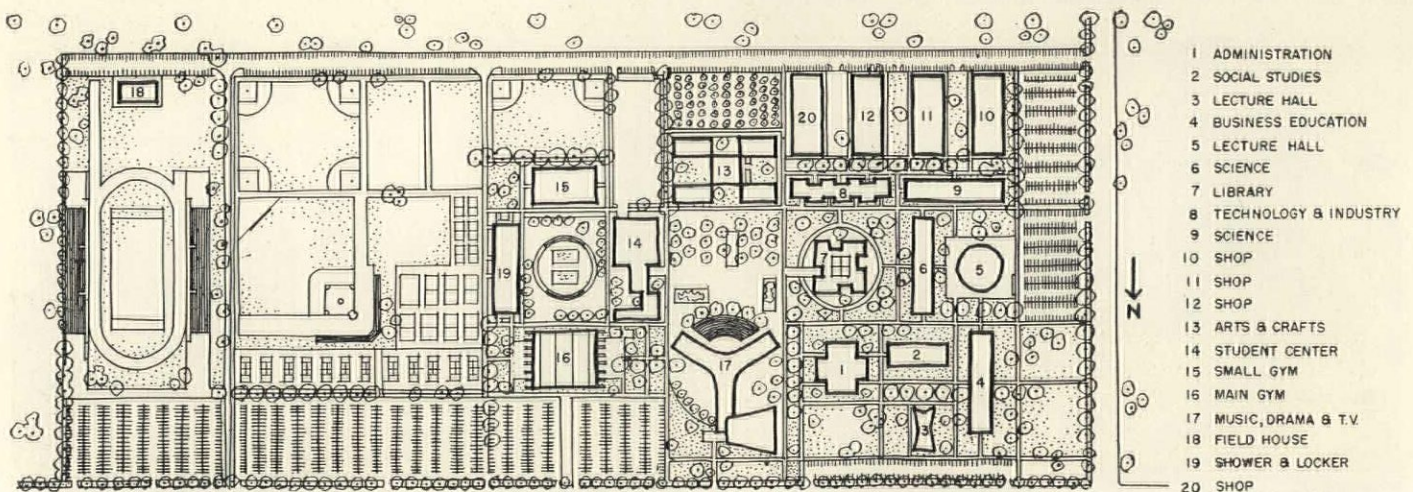
NORWALK, CALIF.—Cerritos College is under construction here as an all-new junior college for 3000 students including adult education. It will be a "commuting campus" with no dormitories, but parking facilities for about 2500 cars.

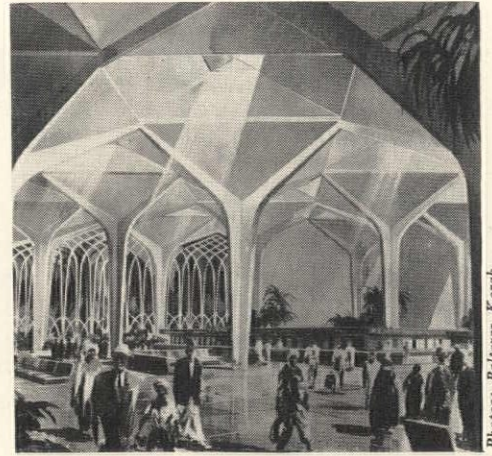
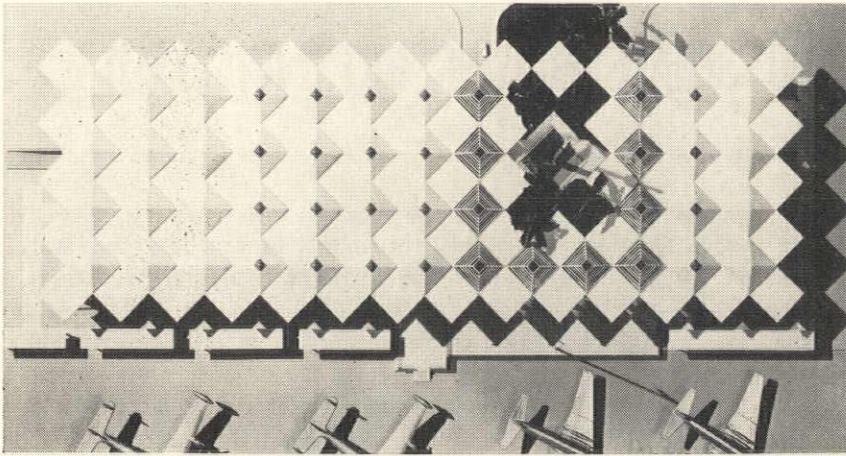
The Architects-Engineers, Kistner, Wright & Wright of Los Angeles, state that they have "tried to express each function as an individual statement yet keep continuity in the site by simplicity of design." Particular attention was given to color, texture, and form to create a "gay, colorful, and harmonious" environment. The designs of these buildings would seem to indicate a use of Yamasaki's "delight" (acrosspage) by other architects. Communal facilities such as gymnasiums, swimming pools, shower and locker rooms, the Student Union Building, and the theater were grouped together to provide a distinct area for both student use and community recreation. Units now under construction are social studies, business education, one lecture hall, industry and technology, science, electronic shops, student center, shower and locker building, and the gymnasium. Four more buildings will follow in the next stage.

Photos: Jack Lauer



Of particular interest, in connection with the urban design theme of this issue of P/A, is the campus plan of Cerritos College. The architects have provided large-element circumferential parking, thereby laudably releasing the walks and byways of the campus for the safe enjoyment of the strolling students.





Photos: Baltazar Korab

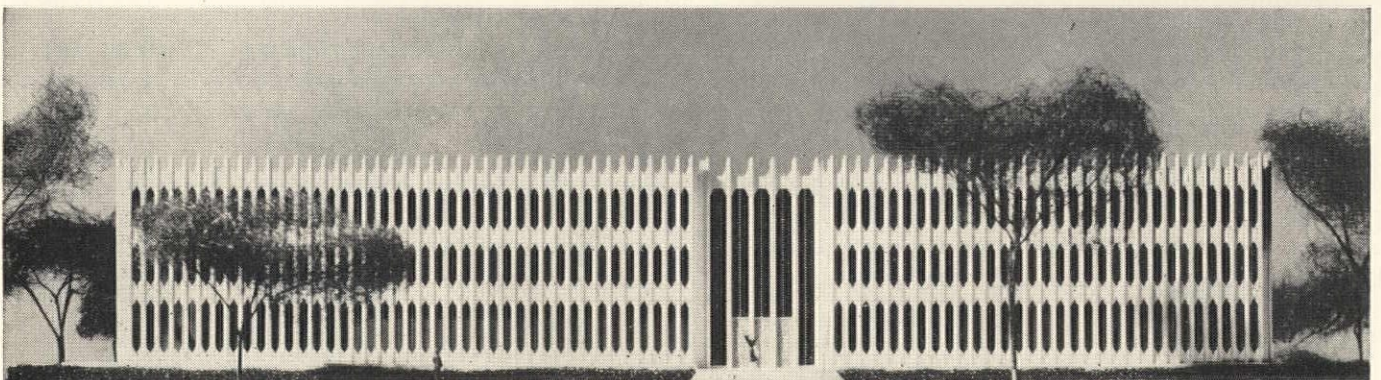
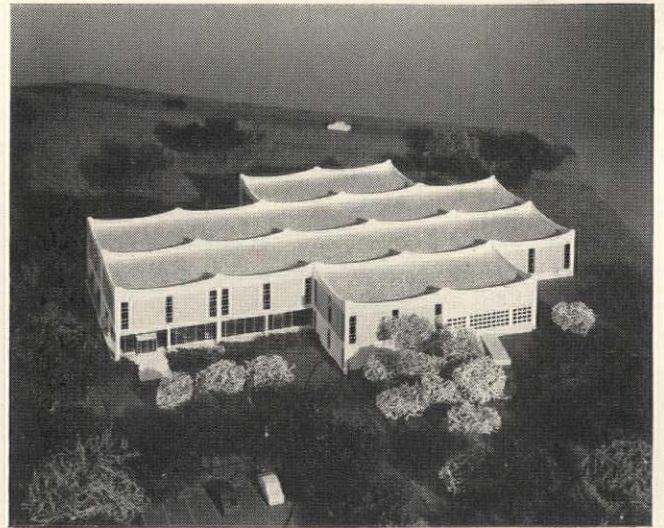
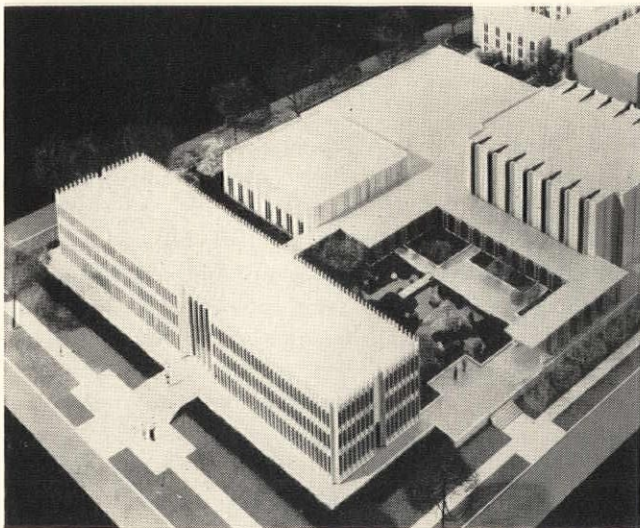
YAMASAKI TRANSLATES "DELIGHT" INTO ARCHITECTURE

NEW YORK, N.Y.—Following a banquet at New York's Architectural League which climaxed a two-week showing of his work, Michigan Architect Minoru Yamasaki reiterated his plea for "delight" in architecture (NEWS REPORT, MARCH 1959 P/A, pp. 154-155). He held his audience enthralled with a sensitive account of a recent visit to a Japanese teahouse where the elements of serenity and delight combined to produce a soul-nourishing atmosphere. These are the elusive factors, he said, for which we must continually search in our architecture in order to provide great buildings.

Speaking on the same program, P/A Editor Thomas H. Creighton offered a critique of Yamasaki's work. Creighton stated that he succeeds to an unusual degree in achieving

the ideals of serenity and delight in his architecture. Noting that a couple of projects shown exhibited these qualities in a way that might be considered less three-dimensional, more of a surface treatment, he asked Yamasaki if this indicated a departure in his philosophy. No, Yamasaki stated, this was mainly the nature of the buildings—both large commercial structures—which he considers less amenable to "sensual" treatment of interior space.

Among Yamasaki's current projects shown here are: the air terminal for Dhahran, Saudi Arabia (above); the Conservatory of Music for Oberlin College (below left), with its administration/classroom building (bottom); and a branch office and warehouse for Parke, Davis & Company (below right).



PROVISIONS OF HOUSE AND SENATE HOUSING BILLS ANALYZED

by Frederick Gutheim

The housing bill, undergoing its final compromises as this is written, will be the most important housing legislation since 1949. Whether the President vetoes the measure or not, and you can now make book either way, he is going to have to sign some housing bill or the FHA program will grind to a halt, the stalled VA-housing program will never get moving again, and the urban redevelopment and renewal programs will stop. We ought to know by August what the score is, but the period before is going to be filled with politicking of a like that has marked the entire history of S.57, the General Housing Bill, as it has no other in this correspondent's memory.

The principal issues in the bill are those now being considered in the conference between the Senate and the House. Something between the two extremes will result. Here are the main differences. Grants for slum clearance and urban renewal in the Senate version total of \$2.1 billions (\$350 millions a year for six years) and in the House \$1.5 billions (\$500 millions a year for three years). The House bill proposes changes in FHA operations that will mean lower down payments and longer amortization periods, and a more liberal FNMA; but many of these are lacking in the Senate bill. Veterans housing is packaged up in the Senate bill, and this bill yields \$150 millions additional for direct loans in rural areas and a hike in interest rates from $4\frac{3}{4}\%$ to $5\frac{1}{4}\%$; while the House version lacks any provisions for Veterans housing, the question being disposed of by that body in the Teague Bill, passed earlier in the session, providing \$300 millions in direct loans.

The public-housing program offered by the Senate authorizes 35,000 new units annually for two years; and the House provides for the same annual rate within a limit of some 150,000 units, depending on the cost per dwelling. This is one place where it should be pretty easy to predict the outcome of the conference. The college-housing program, one of the bright accomplishments in housing design, comes out at \$300 millions in the Senate and \$400 millions authorized in the House; but the Senate bill contains a new wrinkle in authorizing \$150-millions additional for classrooms and scientific laboratories.

The one really new provision in the program will be direct loans for housing for the elderly. In the House version this is a straight-out \$100-millions loan program of 50-years loans at $3\frac{1}{2}\%$ interest. The Senate is more complicated, proposing a liberalization of the existing program (under Sec. 207 of the present housing act) to allow non-profit corporations to receive a 100% loan, and non-profit sponsors to receive loans of 100% less their profit. The Senate proposes an interest rate of $5\frac{1}{2}\%$ to the borrower.

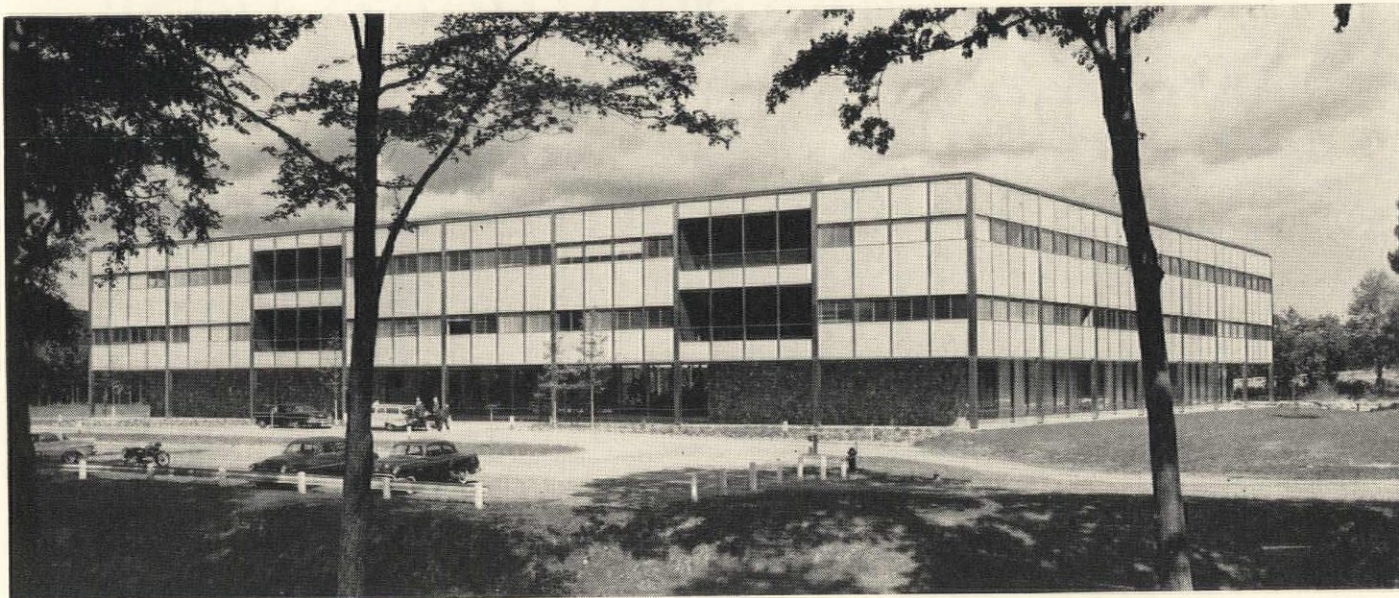
From the political point of view, the notable character of this bill is the packaging of public- and private-housing provisions, of the interest of veterans and loan interests, of a number of special interests related to college housing, the housing the aged, co-ops and other groups. This is a

package of political dynamite that can be vetoed only if the President is willing to risk such desperate chances as a virtual halting of the entire FHA housing effort. By delaying a final vote on the measure, and allowing FHA funds to diminish further, Congress can turn the political thumb-screws tighter. But in that event it will have to take upon itself the responsibility for delay. All in all, it looks like an exciting summer!

● A new public-buildings act, of which I wrote here not long ago, moved up a notch when it was reported out of the House Public Works Committee in June. The measure would require House and Senate Committee approval of all Federal buildings costing more than \$100,000. This does not mean the enormous increase in congressional jurisdiction which it superficially implies, because the committees have in practice always maintained a substantial degree of reviewing and decision-making power. It is indeed possible, as Representative Jones argues, that the requirement for such approvals will speed up rather than delay construction. For Washington the measure is especially important, although the part of it which would have authorized a Federal office-building center fronting a new Mall east of the Capitol was knocked out. (It will probably be offered in a separate bill.) It never has been clear whether the East Mall would be used for legislative buildings proposed by the Architect of the Capitol, or buildings for the executive departments as contemplated by Harland Bartholomew, the retiring Chairman of the National Capital Planning Commission.

● The Architect of the Capitol continues to be having a hard time of it. The bugs in a new building, which every architect knows are as inevitable as in a new ship, have never been so well publicized as in the New Senate Office Building, occupied earlier this year. And, in each case, the reporters have carried the same complaints back to the Architect of the Capitol, George W. Stewart, and have printed his alibis. The building, actually designed by Eggers & Higgins, has endured the following catalog of complaints: high cost, "extras," slippery floors, slow elevators, noises, and the distance from the Capitol building and the Senate floor. Complaints have also been heard about the expensive chairs in Committee rooms, the height of rostrums, the low-slung wooden desks, the electric clocks, and cigarette burns on cork-tile floors.

The total cost of the building is difficult to ascertain, but the base contract was \$20.4 millions, another million for furniture, and \$3 millions for a connecting subway to the Capitol, now under construction. Another million for additional costs has been requested. The building contains offices for 42 Senators and their staffs, hearing rooms and staff offices for 12 standing committees, two cafeterias, a private dining room, and an auditorium for 500.



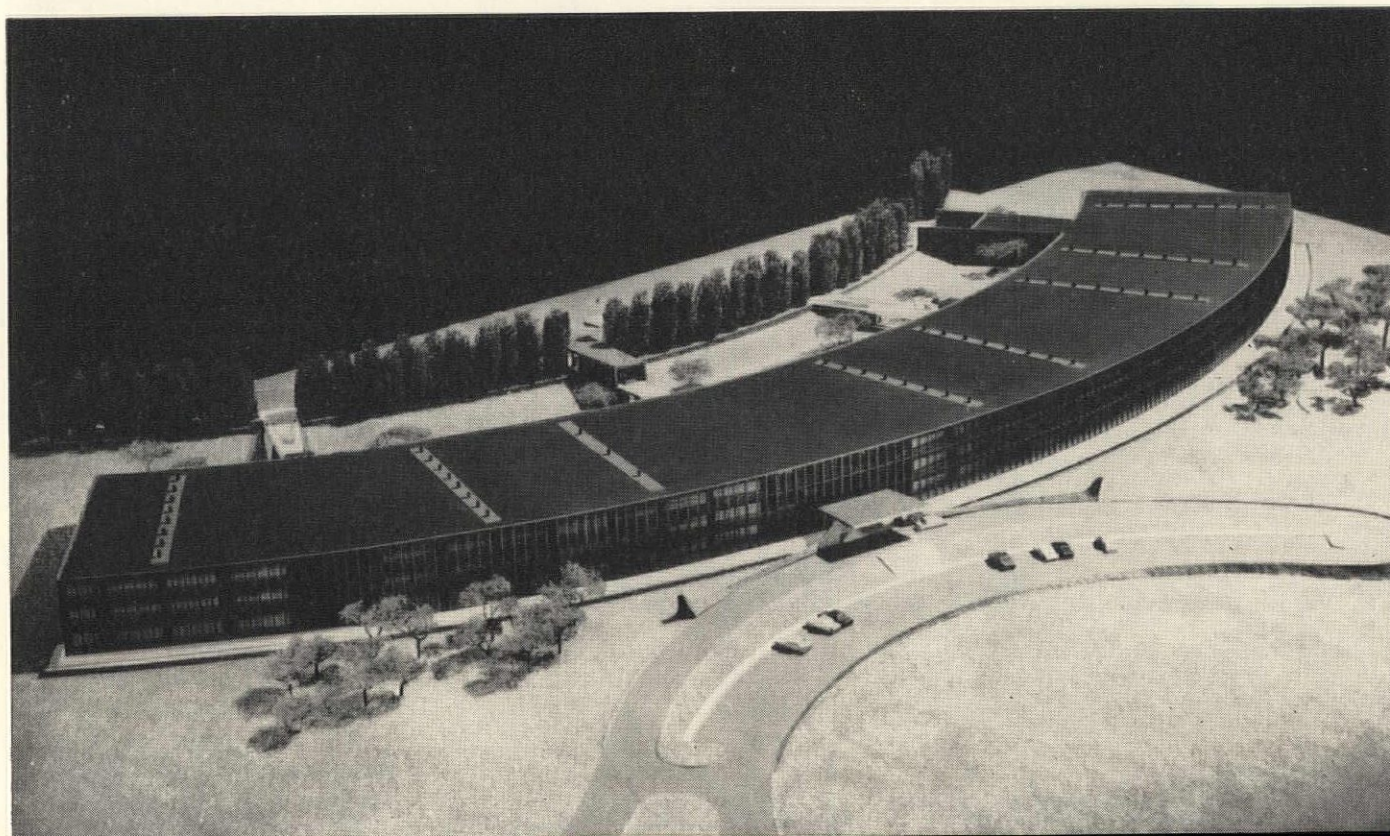
IBM'S BUILDING PROGRAM PRODUCES NOTABLE STRUCTURES

Currently, one of the most widespread building ventures by a single company is that of International Business Machines Corporation. In its program, IBM, through use of capable architects, designers, and artists, is helping improve our architectural environment. From the interior remodeling of its New York office to the all-new IBM office building in Los Angeles (to be presented in SEPTEMBER P/A), the company has set an example which may well be followed by all private industry.

Two of the latest IBM facilities are shown here, one completed and one under construction. The education center in Poughkeepsie, New York (above), is one of 26 such centers

in this country. Designed by Eliot Noyes & Associates, the three-story center is built around a large, landscaped center court on a five-acre, wooded tract. It has its own closed-circuit TV network for transmission of lectures and demonstrations. There is a 400-capacity auditorium and a 228-capacity cafeteria.

The arc-shaped IBM research center in Yorktown, New York (below), is scheduled for occupation in June, 1960. The building will contain 450,000 sq ft of floor space, making it one of the world's largest laboratories conducting research related to information handling systems. It was designed by Eero Saarinen & Associates.

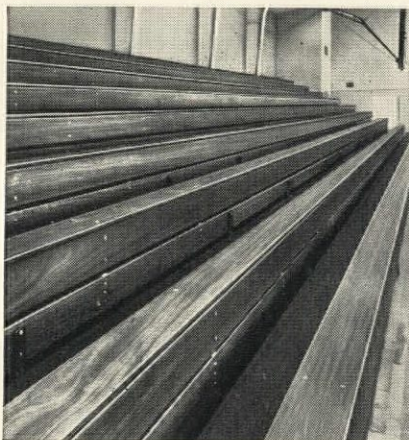


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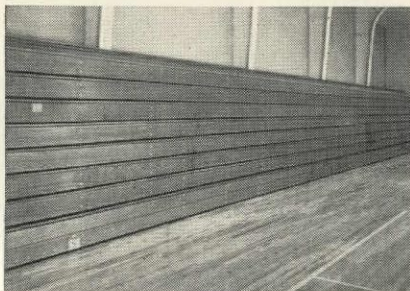
Match your seating to your dollars and save. Choose from a complete line by the world's largest manufacturer of *spectator seating*.

With economy as the watchword in today's new school construction, it will pay you handsomely to look into the *only* line of gymnasium seating that offers a choice of three budget ranges... an outstanding, efficient seating system for each! Every Wayne model is engi-

neered with the important attention to detail that assures longer life, smoother performance, lower maintenance costs... more seating efficiency for your money! Check these three Wayne values before you decide on *any* seating at *any* price! Write for catalog data today!



OPENED



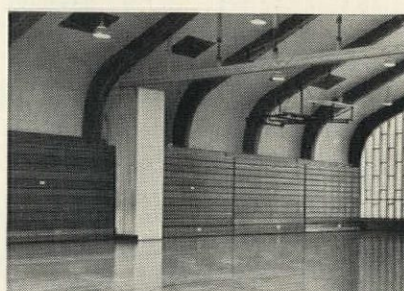
CLOSED

WAYNE MODEL 70 ROLLING GYMSTAND

Continuous-seating, automatic power operated stands! Seat and foot boards in one unbroken sweep of magnificent mahogany or Douglas fir... *one gymstand* the length of your gym. This advanced Wayne design uses every inch of seating space, increases capacity up to 10%. Fully automatic; glides open or closed at the flip of a switch. This Wayne exclusive is installed in some of America's finest schools.



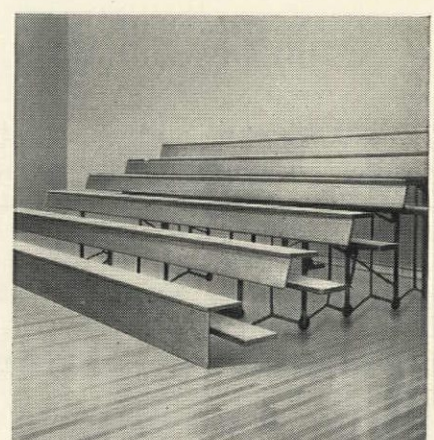
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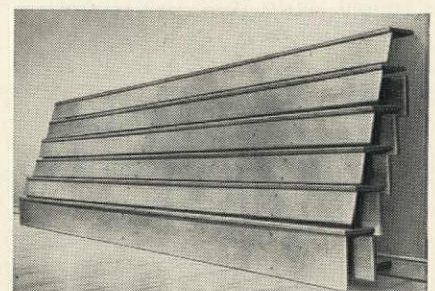
CLOSED

WAYNE MODEL 50 ROLLING GYMSTAND

Big value-favorite in hard-working luxury seating, the model that made the Wayne name famous in spectator seating. Features include: Wayne vertical front design, smoother, easier operation, uniform load distribution, completely closed risers, fine woods, finished to a rich lustre, and other Wayne engineering advantages. Feature for feature, dollar for dollar, this is truly the champion in conventional gymnasium seating.



OPENED



CLOSED

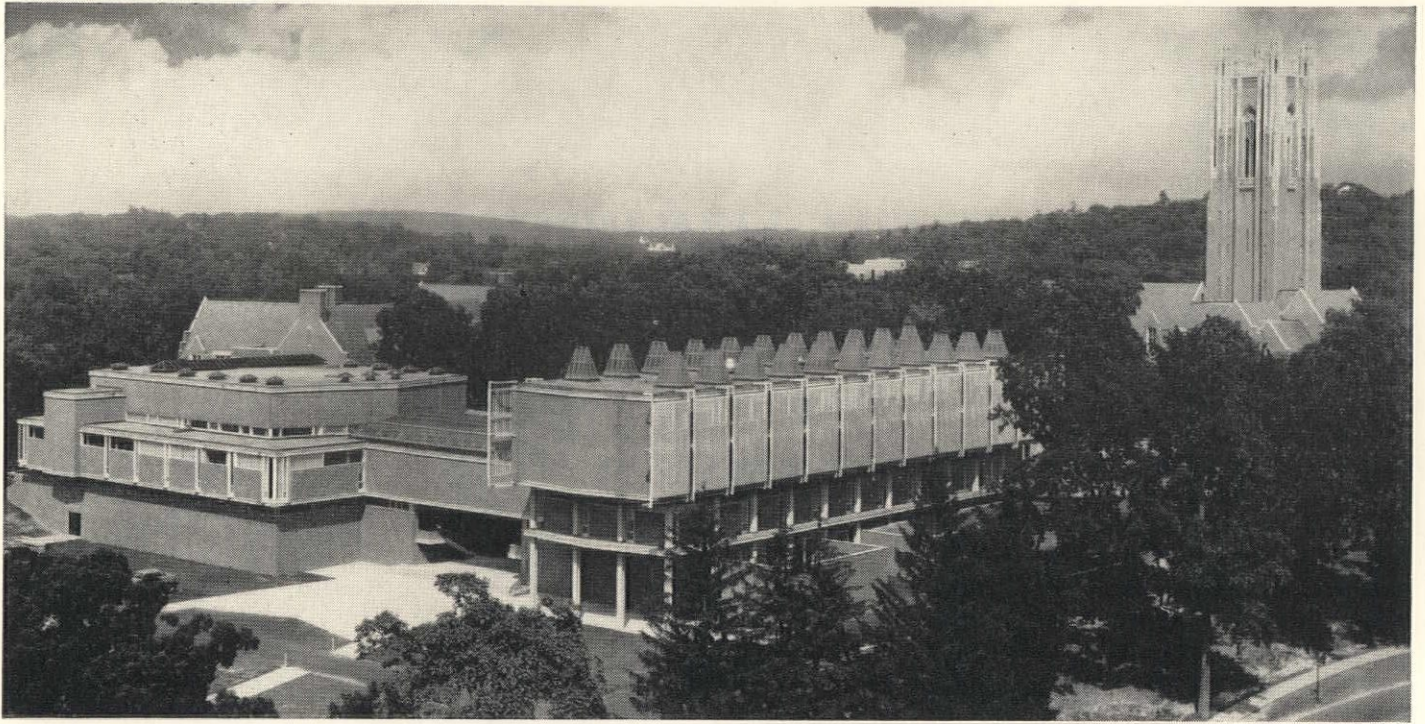
WAYNE MODEL 30 FOLDING BLEACHER

Another Wayne exclusive! *Folding Bleacher*-type seating engineered from the wheels up for long trouble-free life, easy operation and maximum seating. Enameled steel, diagonally cross-braced rock-solid understructure, gleaming finished woods. Investigate the Model 30 now and let us show you its dollar-in-hand savings over any price quotation offered you on any *folding bleacher* anywhere.

WAYNE

WAYNE IRON WORKS, WAYNE, PA.

ROLLING GYMSTANDS • FOLDING BLEACHERS • FOLDING PARTITIONS • BASKETBALL BACKSTOPS • OUTDOOR PERMANENT GRANDSTANDS • PORTABLE BLEACHERS



Wellesley photos: Creative Photographers, Inc.

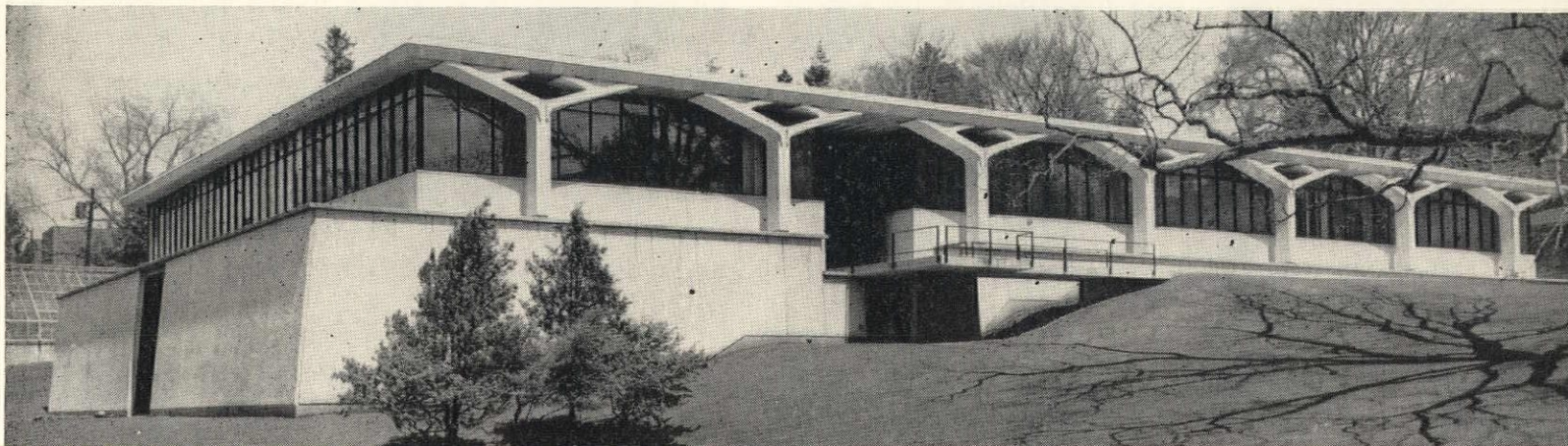
RUDOLPH BUILDINGS AT YALE AND WELLESLEY OPEN

Two buildings by Paul Rudolph which have already stirred considerable interest, opened this spring. The present Chairman of the Yale Department of Architecture, in moving part of his practice from Florida to New Haven, has received a number of commissions in the Northeast. Mary Cooper Jewett Arts Center at Wellesley College, Wellesley, Massachusetts (above), and the Greeley Memorial Laboratory for Yale University School of Forestry (below) are two of the first to be completed since Rudolph came to Yale.

In Jewett Arts Center, Rudolph aimed at relating the design visually with the predominately Gothic character of

other campus buildings, notably through the use of pointed skylights on the roof of the art building, and a woven-textured porcelain-enamel screen on the two long sides of this building. Interiors shown above are the sculpture gallery (left) and the main gallery (right).

The Yale forestry building, according to Rudolph, was "conceived as a pavilion with a single hovering roof supported on precast columns." The Y-shaped columns are placed before a glass and marble-chip spandrel wall "to gain . . . play of light and shadow and to give a measured rhythm to the façade."



LIFETIME TILE-LIKE WALL FINISH FOR CONCRETE BLOCK AND OTHER SURFACES

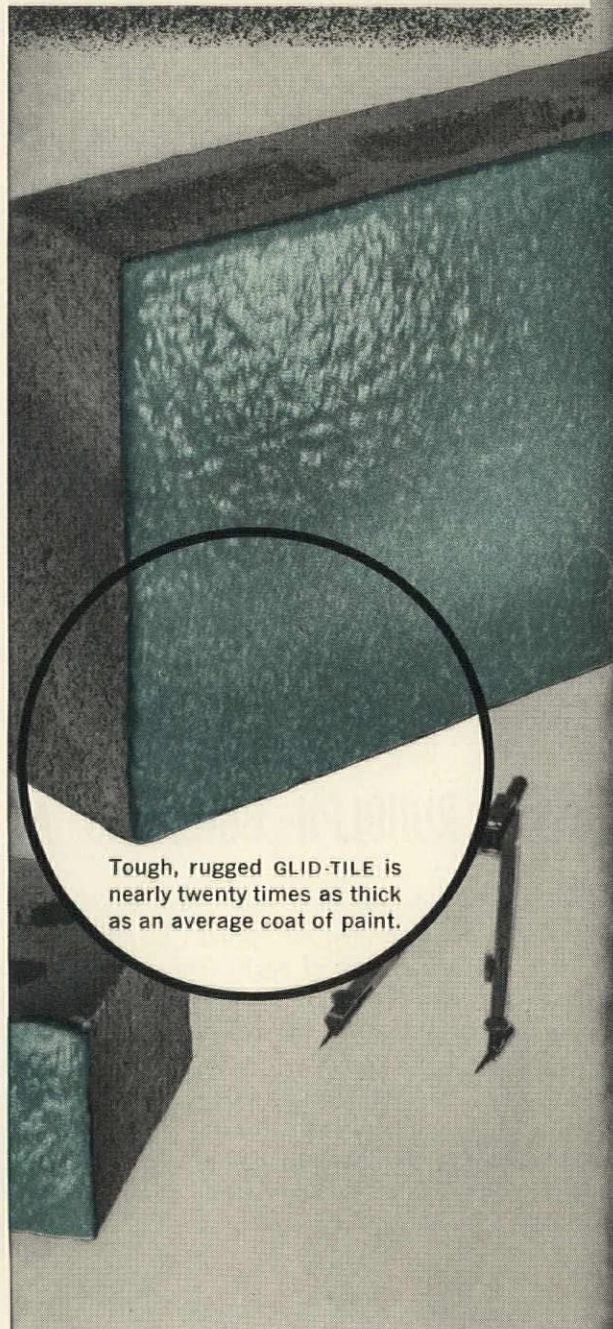
New GLID-TILE

Easy to maintain, keep clean!

GLID-TILE is a special polyester resin spray finish. Far more than a paint, GLID-TILE *upgrades* concrete, wood, metal, plaster, wallboard and masonry block surfaces. It costs only a fraction of the usual glazed or ceramic tile. The average annual cost is extremely low, too, because GLID-TILE outlasts conventional paint coatings by many years.

GLID-TILE becomes an integral part of the wall surface, and cures to a continuous, non-porous finish. This thick, tough, tile-like coating resists acids, solvents, alkaline detergents and hot water, making it ideal for operations such as food processing plants where staining and corrosion must be eliminated. GLID-TILE also withstands hard usage, mechanical abuse, impact and abrasion. For example, one minute of strong sandblasting completely destroyed a baked enamel panel while in the same test, GLID-TILE showed *no change*. In another test, a sub-surface of concrete broke under heavy impact *before* the GLID-TILE finish could be destroyed.

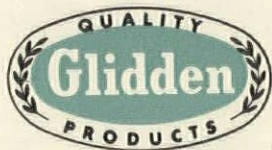
For a lifetime wall finish that offers beauty, durability, easy maintenance and maximum cleanliness, specify GLID-TILE. Available in a wide range of modern colors for offices, classrooms, corridors, cafeterias, laboratories, washrooms, factory production areas.



FOR FREE SPECIFICATION FOLDER AND THE NAME OF THE GLID-TILE
APPLICATOR IN YOUR AREA, WRITE ON YOUR COMPANY LETTERHEAD.

PROFESSIONAL FINISHES

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MAINTENANCE FINISHES DIVISION
Dept. PA-759 • 900 Union Commerce Building
Cleveland 14, Ohio
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COUNTRY'S INFLATION ATTITUDE LIKENED TO CONFUSED FARMER

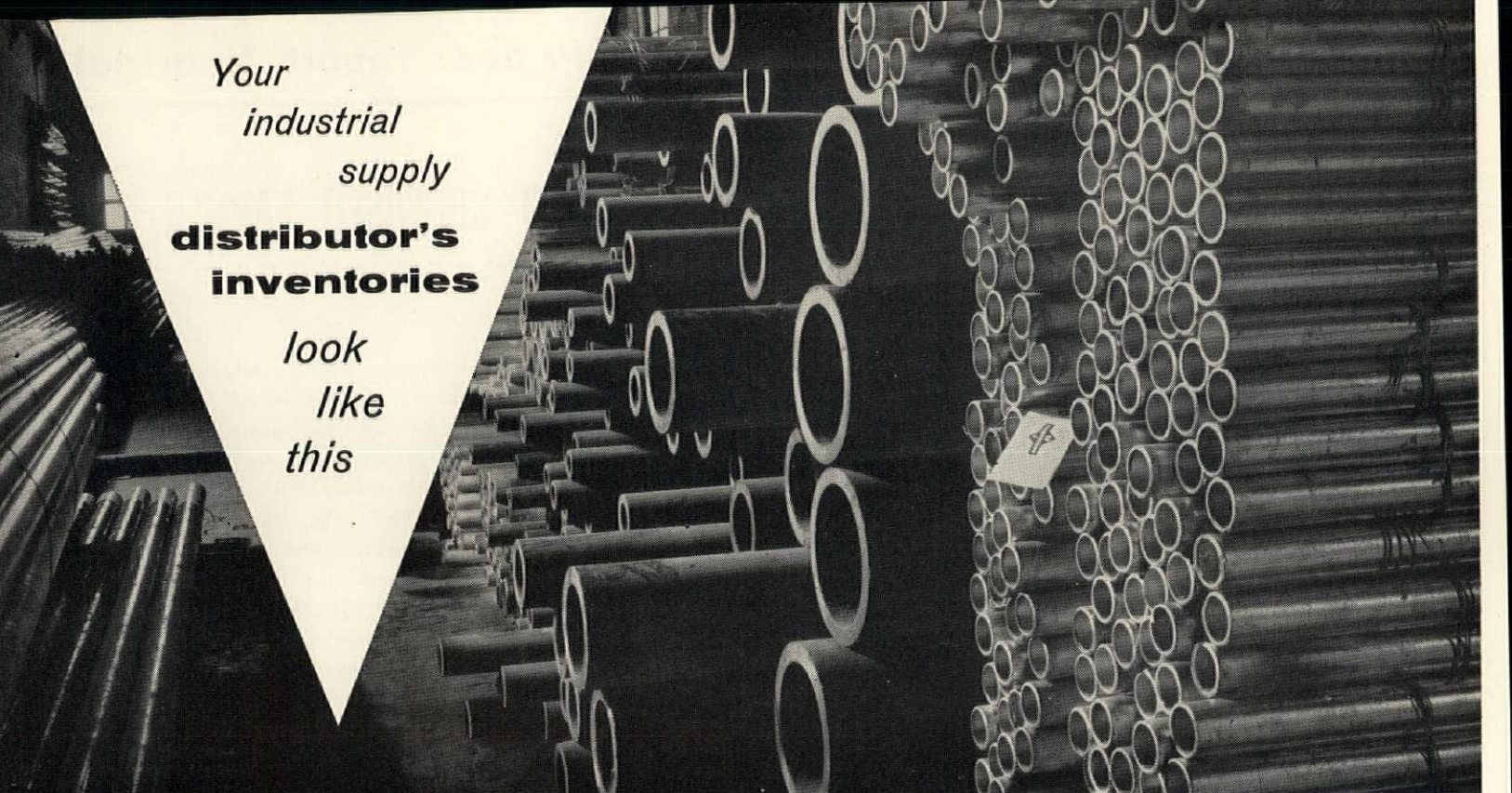
by William Hurd Hillyer

When automobiles were rare and road signs scarce, a farmer hitched his mule to a rickety wagon and set out on his first visit to the big city, some 20 miles away. After four hours of travel, he asked a man in the fields how far it was to the city and learned it was 20 miles. Two hours later, he posed the same question to a passer-by and got the same answer. Sadly he addressed his mule: "Ephraim, you and I are just about holding our own!" Has this country, like our hero, been subject to a miscalculation regarding our goal—stabilization—or have we erred as to the pace of creeping inflation?

Opinions vary all the way from New York's First National City Bank's declaration that "recovery is an accomplished fact" to Roswell Magill's gloomy forecast that a possible ten-cent dollar may await us in 25 years. Magill is president of the Tax Foundation and former Under Secretary of the Treasury. The Biddle Survey feels it is unfortunate that too many have been content to accept higher prices; "many labor under the fallacy that by raising prices they can more than offset higher costs" and that they will make larger profits as long as prices continue to mount. . . . If the wage-cost push resumes, you may well see an unhealthy increase in speculative activity, with little real effective control possible; keep your fingers crossed on the wage negotiations . . . in the steel industry." The American Iron and Steel Institute states: "Inflation is caused by a lot of things. But one of the most important is rising labor costs without a corresponding increase in the nation's productive efficiency," as "75% or more of the cost of what you buy is for labor." *The American Banker* notes that the consensus of opinion expressed by important corporate executives at the National Industrial Conference Board was that "a record performance generally of United States business and industry is to be expected, with few exceptions, during the second half of 1959," yet "long-range concern over inflation is real." At this meeting George Champion, president of New York's Chase Manhattan Bank, emphasized the need for "effective checks on inflation." On the other hand, the National Bureau of Economic Research, Inc., finds our "economy strong and getting stronger." Economic prospects "point to a fairly steady uptrend through mid-1960," was the view expressed by top industrials at the meeting of the Commerce Department's Business Advisory Council. "Economic conditions promise to remain generally favorable for the remainder of 1959," was the considered verdict of the National Industrial Conference Board. *Business and Economic Review* was also optimistic because production, income and spending, as well as "the total value of the nation's output of goods and services . . . [are moving] to new all-time highs."

● A recent survey of real estate dealers, builders, and mortgage lenders in thirteen major cities seems to indicate a


slowing down, now that private housing starts have reached the highest level in history for the year's first quarter, although most builders look for full-year's sales to top 1958's. Mortgage money problems are major reasons for some builders to expect a slowdown in the near future. The St. Louis Federal Reserve Bank says that fears of future decline in the purchasing power of the dollar may act to stimulate demand for funds and raise interest rates. "The increase in borrowing characteristically occurs during a period of optimism and economic expansion." The funds available to accommodate increased demand of business, government, and consumers stem primarily from current saving, credit creation by the banking system, and activation of cash balances, the report continued. "Since a large portion of saving is in the form of deposits or other liquid debt instruments, and since inflation reduces the purchasing power of funds invested in these instruments, it may be that some savers feel it is better to consume more of their income currently. . . . However, to the extent that saving has been reduced, this reduction has been a factor in pushing interest rates up. But whether the rate of savings is affected or not, it appears likely that its form is altered by inflation, encouraging the purchase of property and other equities and discouraging the purchase of fixed debt instruments." The mortgage market seems busy, according to our sources. Monthly totals of both FHA and VA guaranteed mortgages have been running much higher than a year ago. New mortgage loans of savings and loan associations exceed \$1 billion for the nine months up to February. Fanny May (FNMA) reported it had purchased more mortgages in 1959's first quarter than in any other in its history. The fact that so many banks and other lending institutions are unloading home loans at this time may suggest that local demand for loans on dwellings must be rising, and the supply of funds declining. The present mortgage debt outstanding on one-to-four family homes is about \$120-billions—some 37.5% of personal disposable income, or income after taxes; five years ago the mortgage debt was 29.8% and in 1950 less than 22%. This may well indicate that home loans as investments have grown more attractive as interest rates rise. Chase Manhattan says that so far this year FHA, VA, and conventional mortgages held by savings institutions and commercial banks have been generally available. "If competing demands for funds by business should increase in the months ahead, mortgage credit would tighten," but by way of encouragement the bank states "the sort of squeeze which developed in the 1955-57 period would be moderated if interest on FHA and VA mortgages is kept realistic." A Boston expert reports mortgage rates as rising with the basic rate of 5% being "already topped in more and more areas"; as the rate of interest on savings rises, he states, the rate for mortgages also goes up. Banks report mortgage rates are rising, but "more in non-competitive areas."



Your
industrial
supply
**distributor's
inventories**

*look
like
this*

Photos courtesy of The Universal Valve & Fittings Company



... so
**your
inventories**
can look like this!

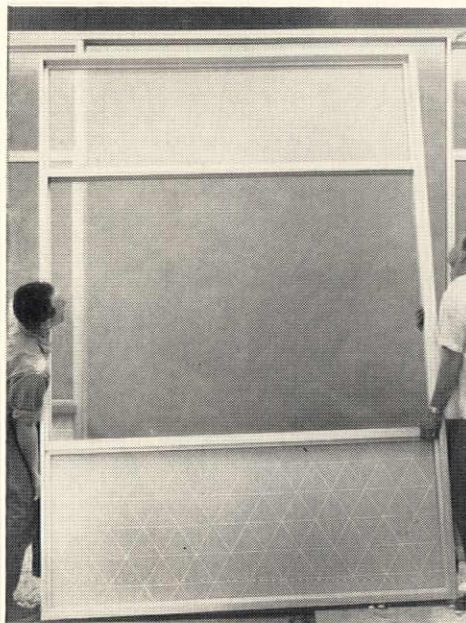
To cut inventory costs, make Youngstown's Industrial Supply Distributor your local dependable source for all steel pipe needs. Make full use of his complete local stocks, fast delivery service. His one-source service simplifies your purchasing and bookkeeping, too. You'll find him an efficient, time-saving, partner-in-production.



THE
YOUNGSTOWN
SHEET AND TUBE COMPANY

Youngstown, Ohio

Manufacturers of Carbon, Alloy and Tool Steel



PRE-FABRICATED WALL SYSTEM INTEGRATES THREE ELEMENTS

Window Wall Has Wide Variety of Applications

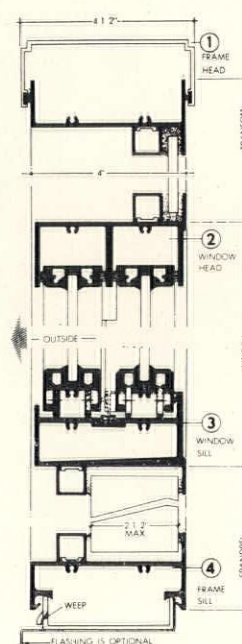
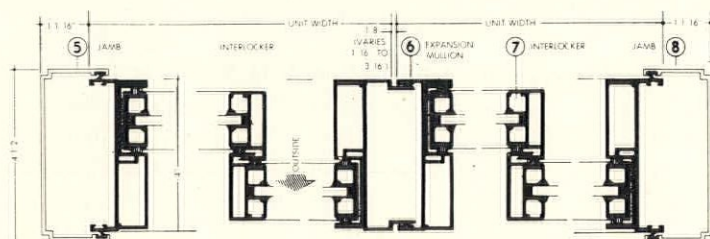
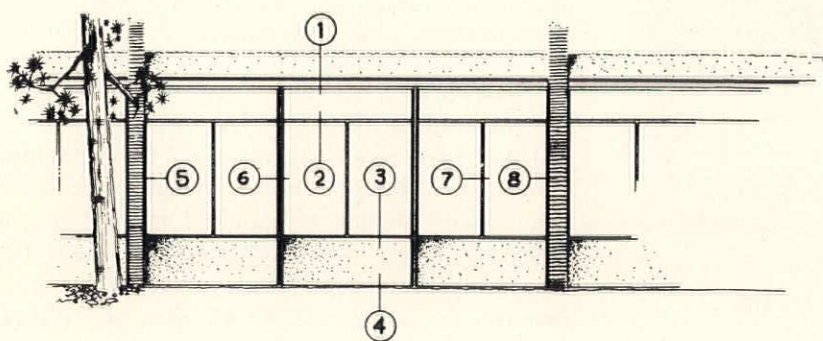
The increasing use of curtain walls and window walls in many varieties of structures has inspired a number of manufacturers to produce innovations in this field. (The architect's continuing interest in this subject, incidentally, will be served by an up-to-date look at wall assemblies in SEPTEMBER P/A.) One of the latest window-wall systems to appear consists of spandrel, fixed or sliding glass area, and transom, framed in aluminum. This factory-fabricated, floor-to-ceiling window wall is delivered to the job as a unit, and moves rapidly from unwrapping to installation.

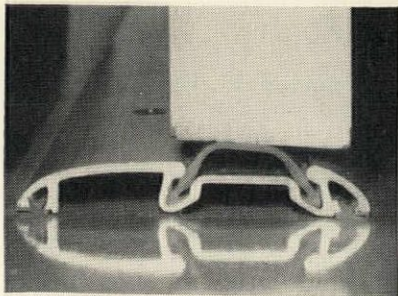
Spandrel panels and transom panels (custom specified)

can be received up to 2 1/2" thick. Panels which may be used include laminated and assembled panels (such as porcelain enameled steel or aluminum, core panels, etc.), glass, ceramic veneer, light-weight concrete, etc. The fixed and sliding vents will receive glass from 1/8" to 1/2" thick. Special latch and locking device permits controlled operation of sliding vents. Circular knob on interlocker of interior sliding vent has two-stage operating device, permitting free operation of window, or operation only by authorized personnel. Specifications, detail sheets available.

Arcadia Metal Products

100





101

Door-Sealing System Stops Sound

"Duraflex" door sealing system has main element of vinyl plastic, is used to completely weather seal doors and also to aid in zone temperature control. System is effective in greatly reducing noise transmission through door, and has been used for light proofing in photographic dark room installations.

The Duraflex Company

101

102



Panel Line Features Six Woods

Line of wood finishes in three panel types is available in six wood surfacings: Swiss Walnut, American Walnut, English Oak, Danish Birch, Swedish Cherry, and Italian Cherry. Panel types are 16"x8' Marlite Random Planks, random grooved with tongue and grooved edges; 4'x8' grooved Random Woodpanel, with tong-and-groove on the 8' side; and 4'x8' ungrooved Woodpanel, with square edges. All panels are 1/4" thick, with base of smooth-back tempered hardboard.

Marsh Wall Products, Inc.

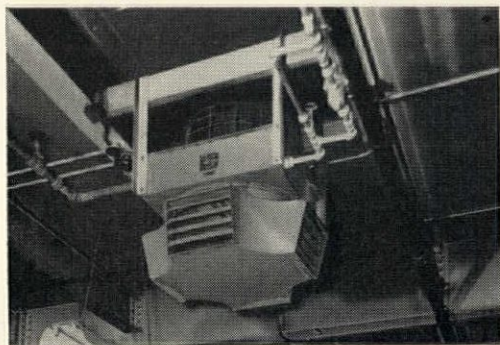
102

Overhead Heaters Save Floor Space

Replacement of floor-mounted steam heating pipes with overhead revolving heaters reportedly improved heat distribution in Republic Rubber Division factory of Lee Tire and Rubber Company. Machinery on floor blocked flow of heated air from floor-mounted pipes, causing excessive heat in some areas, and lack of heat in others. Heat from ceiling is now uniform and overhead heaters release floor space for machinery; are not subject to damage from floor operations and plant vehicles. Heaters take steam at 145 psig; delivery temperature of air in discharge outlet is 124°F. By time air streams mix with room air and reach floor level, temperature is comfortable for occupants.

L. J. Wing Manufacturing Company

103



103

Wood Desks Add Office Richness

Desks of oiled teak with ebonized hardwood frames are latest addition to Executive Office Group. Three pedestal variations are included: four-drawer, three-drawer, and dictation-equipment. In addition to desks, company has a storage shell to be used with single- or double-pedestal desks in parallel or "L" arrangements. Various combinations of interior storage are available for shell.

Herman Miller Furniture Company

104

104

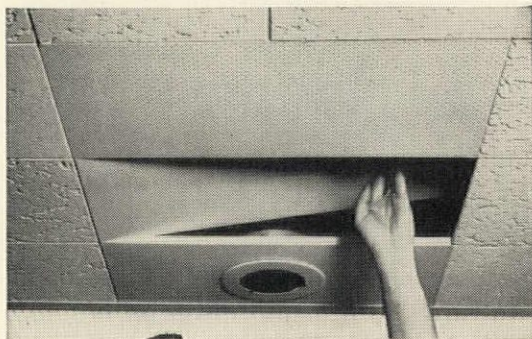


Ceiling Pan Provides Ease of Access

A fast-installing metal pan has been devised which gives fast and easy access through the ceiling to utilities. The pan may be used on standard "Accesso Acoustical Suspension System" in lieu of standard mineral or other fiber acoustical tile. Pans in any area may be removed and acoustical tiles put in place without altering suspension members. Heated or cooled air may be diffused through metal pans using low velocity inverted pan unit provided with a flexible 4" hose which plugs into a duct.

Accesso Ceiling Products, Inc.

105



105

Duct Insulation Acts As Vapor Barrier

Incombustible foil-faced duct insulation for heating and air conditioning systems is designed specifically to provide a vapor barrier meeting "fireproof building requirements, and also to present attractive finished appearance on exposed ducts without special, extra finishing steps—spun

mineral wool insulation is faced on one side with embossed aluminum foil .0025" thick, acting as a vapor barrier. Insulation is lightweight, and cuts with a knife to conform to irregular surface contours. Thermal conductivity is .24 Btu in. per hr sq ft, deg F at a mean temperature of 75 F, and will withstand temperatures to 250 F. Comes in 24"x48" semi-rigid sheets, 1", 1 1/2", 2" thick.

Industrial Insulation Division, Baldwin-Hill Company 106

Screen Cuts Air-Conditioning Costs

Ceramic "Solar Screen" is both functional and decorative. Screen used on exterior breaks heat of the sun falling directly on a building, providing savings in cost of air conditioning building. Can also be used in courtyards, and as privacy screens or windbreaks around swimming pools or private gardens. Screen is available in natural red and a number of other colors. Several designs have been put on the market.

Gladding, McBean & Company

107

Lockset Offers Entrance-Door Security

Combination lock of new lockset operates by turning door-knob left and right, according to combination number. Lock clicks as knob turns and operator "counts the clicks" for the number. No separate dials to turn or numbers to read. Lock is of cylinder type, enabling quick installation by drilling hole through door to insert mechanism and smaller hole in door edge for latch bolt. Standard exterior finish is polished brass. Retail price \$12.50.

The Gougler Keyless Lock Company

108

Aluminum Mullion Is Removable

Mullion is designed for installation in pairs of doors to allow single door operation. Made of extruded aluminum, the mullion can be quickly removed to open doors to full width for passage of large objects. To install, bottom and top plates are anchored to floor and jamb. Mullion then fits snugly over bottom plate and is swung into overhead bracket where it is held with two screws. Two sizes available are 7'6" and 10'; these may be cut to desired length. Russwin Division of Russell & Erwin

109

Wall Clocks Appropriate for Many Uses

Extra-large built-in wall clocks are available in diameters from 15" to 24". Feature contemporary styling, with either satin aluminum or satin brass hands, center disc, and indicators. Clocks have 2" tapered bar indicators, 1"-diameter dot indicators, or 2"-high Arabic numbers. Built-in movement covered by 5 1/2" center disc, which can be painted to match wall.

Howard Miller Clock Company

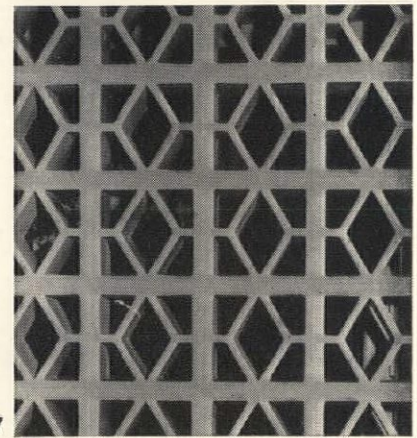
110

Moving Sidewalk Connects Hotel and Motel

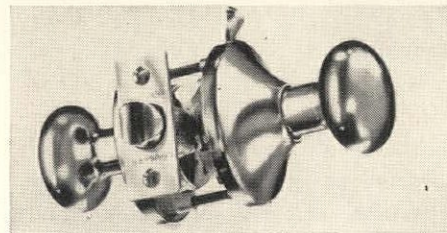
"Travolator" moving sidewalks arch over San Diego street to connect El Cortez Hotel with motel and garage across the way. Guests and employees are carried on series of safety-cleated platforms incorporating same safety features as escalators. Facility is capable of carrying 7500 people per hour in each direction. Next installation is expected to be in the London Underground, in a sloping, 300-ft tunnel connecting two rail lines.

Otis Elevator Company

111

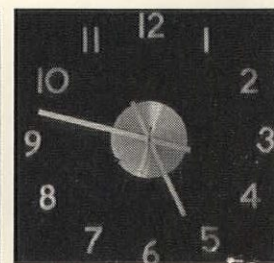
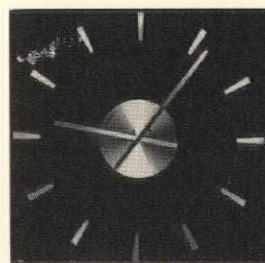


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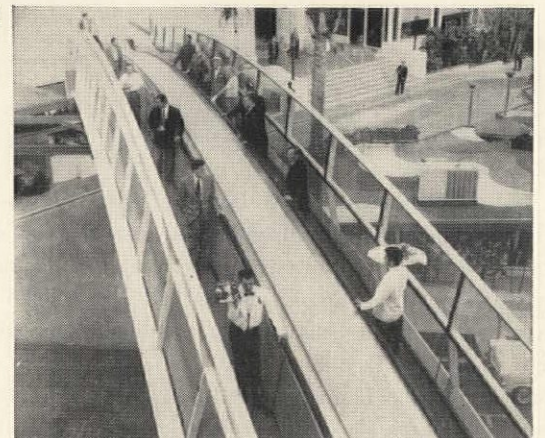
108

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Refrigerator Is Doorless

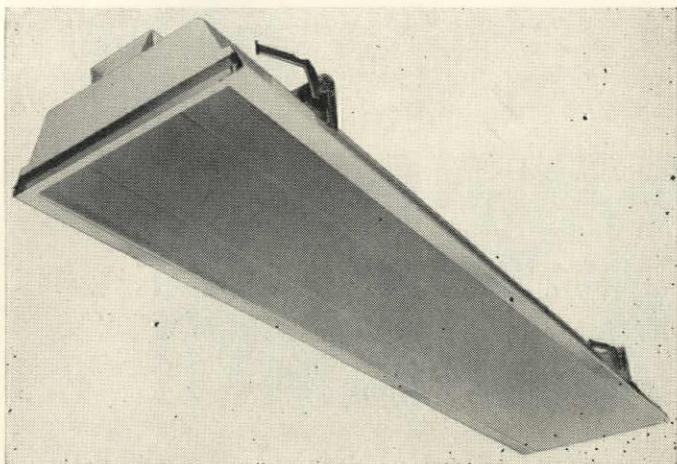
Open-front refrigerator can be used in cafeterias, supermarkets, and restaurants. Self-service in cafeterias and supermarkets is facilitated, and unit may be blended in with decor of restaurant to serve as dining room refrigerator for holding desserts, pastries, etc. Use of "air curtain" principle seals off front of cabinet, blankets contents in cold air, and keeps them at standard commercial refrigerator temperatures.

Koch Refrigerators, Inc.

112

Troffers Have Shallow Recess

"Speedomatic" lighting troffers recess only 4 15/16", come in four basic types to fit most ceiling applications. Major feature of troffers is telescopic door frame, which automatically adjusts to assure perfect fitting, even in irregular ceiling openings. When installed, shielding is framed in



ceiling by single width of metal, offering wide illuminated area and clean appearance. No mechanical catches; door opens by lifting up, sliding over, and lowering.

Smithcraft Lighting

113

Light-Producing Panels Suit Unusual Uses

Electroluminescent lighting panels suitable for difficult or unorthodox applications are rectangular and square plates in standard sizes ranging from 2"x2" to 24"x24" available in green, blue, or yellow—Rayescent lamps consist of glass sheet coated with phosphor layer and electrically conductive coating; use no filaments, contain no gas or metallic vapor, produce practically no heat, require negligible electric cur-

rent, produce completely diffused light without special fixtures or baffles. Life expectancy is conservatively rated at 5000 hours; tests in progress indicate longer life. Power supplies for 400-cycle operation will be in several ratings. Westinghouse Electric Corporation

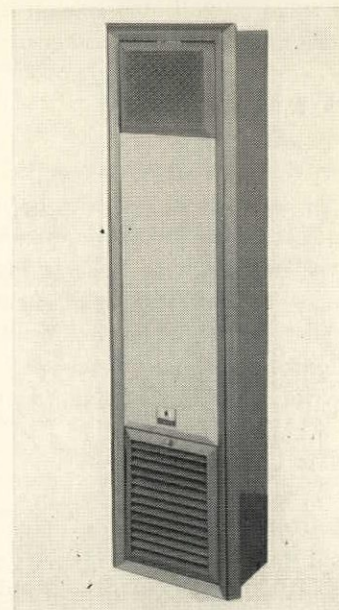
114

Heater Hangs on Wall Like Picture

Direct-vent gas wall heater may be installed in any one of three positions: fully recessed, partially recessed, or hung on wall like picture. "Custom Counterflow" vents flush with outside wall in all three positions. Heat is delivered at floor using outside air for combustion. Products of combustion are exhausted to outside through sealed porcelain combustion chamber.

Heil-Quaker Corporation

115



Wire-Fabric Mats Reinforce Floor Slabs

First use of heavy-welded wire-fabric mats for reinforcement of flat-plate structural-concrete floor slabs is said to have made notable savings in construction time and costs. Top and bottom mats were placed rapidly on each floor of New York apartment house. Extra layers of fabric were put over tops of columns to resist negative moment. Openings for plumbing ducts, wiring, etc., were cut in fabric after laying. Concrete was then poured. System reported to have resulted in reduction of steel poundage from 5.2 lb for conventional methods, to 3.8 lb for use of welded wire fabric mat reinforcement. Patent applied for by Engineer.

Wire Reinforcement Institute, Inc.

116





Dutch-Designed Furniture Newly Available

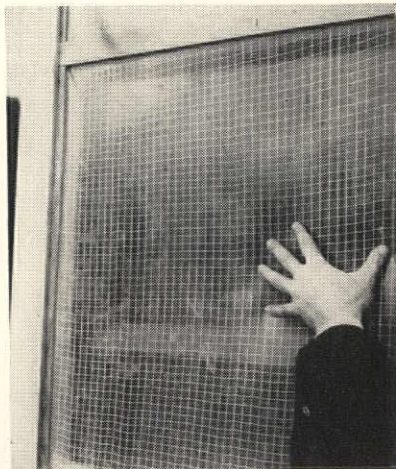
Furniture designed and manufactured in the Netherlands is now available through recently-formed U. S. distribution agency. Lines include tables (shown—designed by Kho Liang le); chests, desks, and record cabinets; wall units and wall-divider units; occasional and upholstered chairs; sofas. Among woods featured are teak, walnut, mahogany, macore, and palisander.

Netherlands Furniture Factories

117

Polyethylene Film Is Glass Fiber Reinforced

"Ger-Pak," polyethylene film reinforced with glass fiber, is reported to have considerable strength and long life. Film is lightweight, low-cost, and easy to handle. Resists rips and



tears, and will not stretch or bag. Suited for use as temporary window and door covering during building construction. Supplied with 2"x2" and 4"x4" meshes, in four and eight mil thicknesses, lengths are 100' and 150' long rolls. All sizes offered in clear or black.

Gering Products, Inc.

118

Acoustical Plastic Sprays on Exposed Structure

Economical roof system combining acoustical control with fireproofing, insulation, and permanence, utilizes 1/2" of vermiculite acoustical plastic sprayed by machine directly to under side of galvanized corrugated-steel sections and to exposed precast-concrete joists. Material may be sprayed by following corrugations of steel for whole thickness of plastic, or by filling in corrugations with first coat, striking

off vermiculite flush with bottom of corrugations, and applying second coat flat over area. Vermiculite plastic so installed has noise-reduction coefficient of 0.65 for 1/2" thickness, and a four-hour fire rating. Variety of textures can be obtained by adjusting spraying machine. "Decorator white" color often makes painting unnecessary.

Vermiculite Institute

119

Terminals Have Installation Versatility

Three individually designed high-velocity Weathermaster hot and cold air blending boxes for all-air systems in exterior and interior spaces of multistory buildings (especially suitable for schools and laboratories) offer quiet performance, odor dilution, maintenance of relative humidity under varying conditions. Versatility of arrangement of controls aids installation whether in ceiling, below window, or in sidewall locations. Features cited are minimum traveling distance (3/4") of sliding damper blade and effective sound elimination from high-pressure air. Models are designed for double duct, single duct with reheat and all-air Dual Conduit; handle from 50 to 1700 cu ft air per min., permitting wide range of application.

Carrier Corporation

120

Agent Bonds Acoustical Plaster to Surfaces

Bonding agent, "Plaster-Weld," is sprayed on monolithic-concrete slabs to receive direct application of sound-proofing material. Acoustical plaster may be applied by spray or trowel. In renovation work, agent can be applied over oil-painted plaster finishes. Plaster can be put on less than an hour after application, or, if need be, months later. "Plaster-Weld" can also be applied to metal surfaces prior to plaster.

Larsen Products Corporation

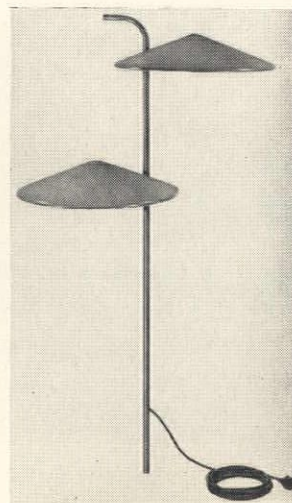
121

Outdoor Lighting Can Be Stationary or Movable

Double version of "Lytescape" mushroom light is finished in quiet Garden Green to blend with foliage by day. Lights area of about 40' in diameter at night. May be either permanently mounted or temporarily staked into ground. Individual or tandem installation to single waterproof outlet is made possible by "add-a-unit" cord set. Dimensions: 48" high, 24" wide; two lights, 60 watts. Approximate retail price: \$26.

Lightolier, Inc.

122





FROM CHEMISTRY: *entire new spectrum of building materials*

Years ago, architects had to restrict their selection of building materials to what was available locally in the way of wood, masonry and glass. Today's architect can choose discriminately from thousands of types of traditional materials plus a whole new store-

house of man-made building products. These are creations of modern chemistry—specialized, uniformly high-quality materials that suggest a host of new design ideas. A few of the newest and most newsworthy are discussed briefly on these two pages.

ROOFMATE*. . . NEW ROOF INSULATION RESISTS MOISTURE, REDUCES LEAKS

***Introduced early this year,
Roofmate promises many
valuable advantages.
It's a new insulation
developed by Dow
for built-up roofs.***

The building industry recently greeted a new roof insulation that forms its own moisture barrier, has permanent low thermal conductivity, takes hot bitumens and won't flake, crumble or deteriorate with age. This new Dow insulation for built-up roofs has the same unyielding resistance to water and water vapor as its older cousin, Styrofoam®. Thus, Roofmate helps prevent vapor build-up and resulting "blistering" and leaks—built-up roofs last years longer.

Lightweight Roofmate arrives on the job site ready for business. It's prefabricated in standard roofing sizes, unpackaged but bundled in easy-to-handle 38 lb. lots. Roofmate is easy to cut and fit around vent pipes and other obstructions. It can accommodate the weight of workmen and normal roofing equipment with plenty of compressive strength to spare.

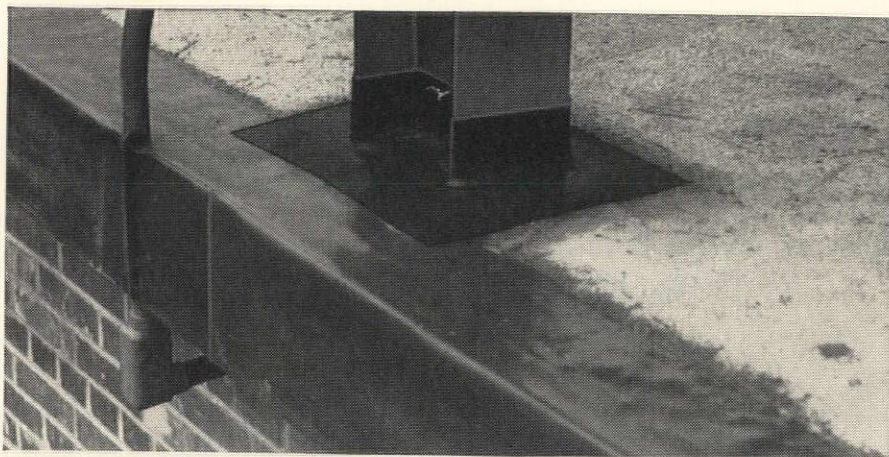
It all adds up to a high-quality, durable roof insulation that saves time, effort and money in any installation.

*TRADEMARK OF THE DOW CHEMICAL COMPANY



**New weather resistant flashing—
SARALOY® 400**

Here's a new flexible flashing material that "gives" in all the right places and lasts a lifetime. It's Saraloy 400, a tough, elastic thermoplastic with built-in resistance to water and weather. Saraloy 400 can be fabricated right on the job . . . shaped to conform to every contour. It can be bonded to most building materials, painted with ordinary exterior oil-based paints. And it's durable—won't corrode, check, crack or peel—stays tight and effective long after expansion and contraction would have destroyed ordinary flashings!

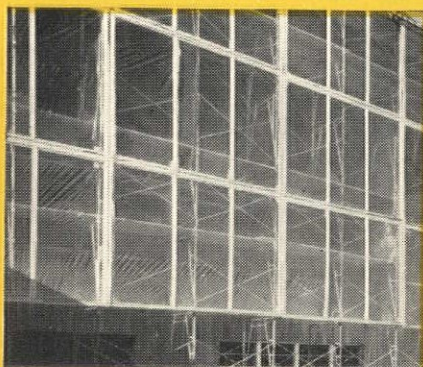


SCORBORD®

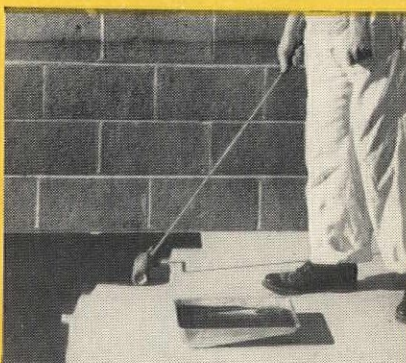
installs in an instant—lasts a lifetime

Insulating foundations and perimeter heating ducts is a job that's only done once, so it should be done well. That's why more and more architects choose Scorbord, the insulation with permanent efficiency. Scorbord† keeps moisture out, heat in—resists mold and decay. These big 2' x 8' pre-scored boards save up to 80% on installation time, too. Scorbord is easy to cut and fit around pipes and other irregular shapes—has plenty of compressive strength to take a concrete slab. An F.H.A. materials release has been issued.

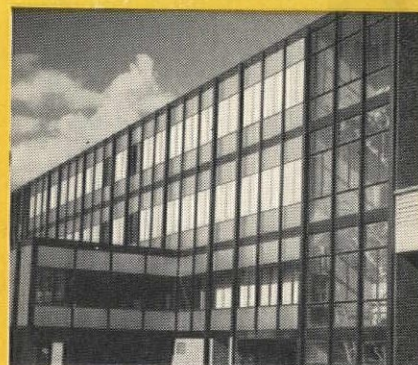
†PATENT APPLIED FOR



POLYFILM. A top quality Dow building product with 1,000 construction uses. Ideal for temporary enclosure or moisture barrier. Supplied in convenient new dispenser box.



LATEX. New latex paints for concrete floors wash easily and are long-wearing. Seals, eliminates concrete dust, makes an attractive surface. Can be tiled over!



STYROFOAM makes ideal panel core. Permanent low "K" factor means long-term insulating efficiency. Panels cored with rigid Styrofoam need no special reinforcement.

VERSATILE NEW MATERIALS like these are typical of the extensive Dow Building Products line. Most of these products are new but all are tested and proved. Write today for more information on any of them. THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Department 1602EB7.

Specify DOW BUILDING PRODUCTS for your designs

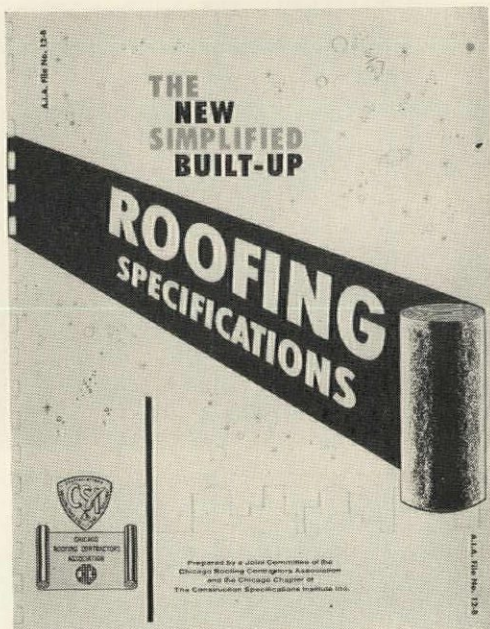
ROOFMATE* • STYROFOAM* • SCORBORD* (Pat. applied for)

SARALOY* 400 • POLYFILM* • LATEX

*TRADEMARK

THE DOW CHEMICAL COMPANY, Midland, Michigan





Chicago Chapter, Construction Specifications Institute, and Chicago Roofing Contractors Association have collaborated on thorough-going examination of new, simplified specifications for application of built-up roofing. Reference seeks to indicate best type of felts, minimum of plies, and type of bitumen which have proven to be most adaptable and practical for jobs in many years of practice represented by members of co-operating committees; and to urge new approach to selection of roofing from standpoint of selecting right roof for particular job and following through with systematic maintenance to insure satisfactory performance of roof with trouble-free use. Specifications are given for wood decks, steel decks, poured-concrete decks, precast decks, and gypsum, perlite, vermiculite, etc., decks. There is a section on flashings and details.

Chicago Roofing Contractors Association (AIA 12-B, 60-p. plus divider sheets) **200**

AIR AND TEMPERATURE

Instant Temperature and Humidity Control

Folder describes Three Pipe Hi-I air conditioning and heating system for hotels, which allows individual room adjustment and complete weather-conditioning control to the guest—humidifies, dehumidifies, warms or cools as needed. Assembly of most parts is done in hotel basement; guest-room equipment is said to install quickly with minimum loss of guest-room revenue. System consists of hot water, cold water, return pipes, connecting to high-pressure induction room units.

York Division, Borg-Warner Corp. (AIA 30-F-2, 4-p.) **201**

Balancing of Heating, Air Conditioning

Brochure describes easy-to-balance, rigid welded-construction heavy-gage metal registers, diffusers, and grills which allow complete flexibility of vane adjustment for any desired air distribution pattern. Electrostatic-paint process provides durable, scratch-resistant, baked-in finish. Comprehensive data, dimensions, installation details for sidewall, baseboard, ceiling and floor types, are provided. Data is also included for single and fixed deflection units.

Lima Register Company (AIA 30-J, 40-p.) **202**

CONSTRUCTION

Acoustical Metal-Pan Ceilings in Larger Module

Folder describes perforated, acoustical, aluminum- and steel-pan ceilings, in larger sizes and larger module to give greater flexibility to recessed-lighting installations. Snap-together "Kemp System" of attachment and suspension offers speed and ease of installation, a more substantial ceiling through use of galvanized rods rather than wire

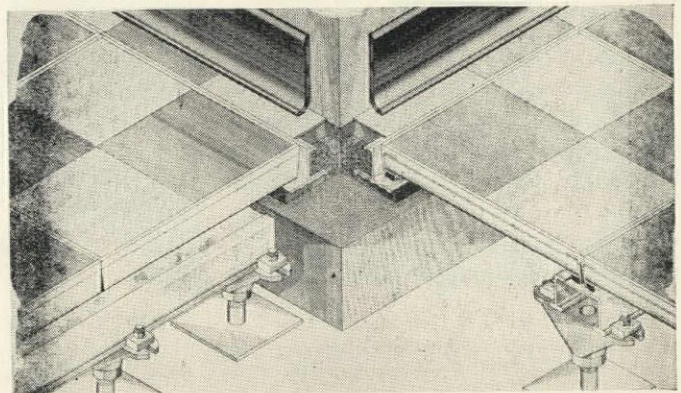
Editor's note: Items starred (★) are particularly noteworthy, due to immediate and widespread interest in their contents, to the conciseness and clarity with which information is presented, to announcement of a new, important product, or to some other factor which makes them especially valuable.

or strap hangers—eliminates need for 1½" channels. Literature and illustrations cover properties, patterns, gages, finishes, sound-absorption efficiency, light reflectivity, fire resistance, applications, installation details. Special-order metal pans to meet specific modules can be supplied.

Acoustics Manufacturing Corp. (7-p.) **203**

Elevated Flooring

Bulletin describes Elaflor elevated, aluminum flooring for computer rooms and other business machine areas—contains drawings, illustrations, specifications, typical installa-



tions and elevations, and support-assembly details. Also included are illustrations and descriptions of caster pads to keep business machines in position and prevent casters from gouging floor covering.

Liskey Aluminum, Inc. (10-p.) **204**

Laminated Wood in Commercial Construction

Catalog features use of glued laminated-wood arches, beams, and trusses—in store, supermarket, motel, restaurant, office building, and warehouse construction. Contains full-color illustrations, shows basic laminated forms available, as well as schematic floor plans for several of the buildings featured.

Rilco Laminated Products, Inc. (6-p.) **205**

Builders' Hardware Handbook

Condensed catalog of architectural hardware presents information on four major lock lines, rectangular and standard liquid type door closers, exit devices, and miscellaneous builders hardware. Designed for easy selection of material, book features selector charts of functions and designs for Integralock, Mortise Lock, Sentrylock, and new Magnalock. Specifications, application data, product features are also included for each of the lines.

Sargent & Company (2-p.)

206

Open-Web Steel Joists Speed Construction

Booklet contains descriptions and diagrams of open-web steel joists for construction of lightweight, safe roof and floor systems. Series "E/C" electro-channel joists have their top chord replaced by a hollow duct serving both as structural member and underfloor electrical distribution duct that allows wiring of outlets at any point along joist. Also



covered are steel roof decks and Cecor centering used as permanent form material for concrete slabs over steel joists or beams. Complete with tables of available dimensions, allowable loading, specifications, recommended handling and erection procedures.

Ceco Steel Products Corporation (Booklet 3001-0, AIA 13-G, 28-p.)

207

Structural-Steel Tubing Has Many Uses

Folder lists some of many uses for Espro structural-steel tubing (square and rectangular rigid-box structures)—range of applications includes area lighting, beams, structural columns, ductwork, stair stringers, guard rail, window mullions. Available in girths of 12" to 48", wall thicknesses of 1/8" to 1/2". Current sizes and limitations, mechanical properties, provided. All sizes can be furnished hot-dip galvanized.

Equipment Steel Products, Division of Union Asbestos & Rubber Company (2-p.)

208

Molding-Pattern Identification

Wall-hanger type pattern chart displays 200 standard molding profiles silhouetted in white against blue background. Some 500 molding numbers are covered altogether. Each of molding-use categories is classified, with "use description" given for each type. Standard dimensions are included with many profiles, shown in about two-thirds actual size. Useful wherever molding identification is important. West Coast Lumbermens Association (24"x37" folder) 209

Facing Tile in Modular Design Application

Handbook highlights features of faster building time and design flexibility through use of structural facing tile in 4"-modular-grid construction. Contents include discussion of physical properties, illustrations of typical wall sections, design data, specifications, quantity estimating table, other listings. Tiles are available glazed and unglazed in variety of shapes and sizes, in plain, mottled, speckled, manganese spot color finishes. Glazed tile is designed to be laid up in 1/4" joints; unglazed, in 1/4" or 3/8" joints.

Facing Tile Institute (AIA 10-B, 40-p.)

210

Cement Colors, Colored-Concrete Products

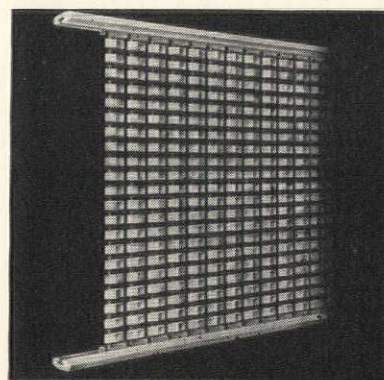
Booklet tells what should be known about color in the manufacture of concrete building materials, presents wide range of color specimens with formulas for mixing for obtaining full-strength color, intermediate, and pastel shades. Some advantages listed in use of colored concrete are light fastness, chemical inactivity, freedom from efflorescence—suitable to products such as split-rock, building block, solid-brick shapes, patio or stepping stones, wall-capping stone, veneer stone, roof tile, swimming-pool forms, ready-mixed concrete. Attached file sheet supplies technical report on properties and manufacturing technique, special problems in concrete products.

C. K. Williams & Company (10-p.)

211

★ Aluminum Grills Have Sculptured Look

Catalog features recently-developed "Grill-O-Metrics"—aluminum grills of sculptured extrusions appropriate for railing panels, sun screens, room dividers, or exterior façade



shading. Patterns are dish, circular medallions or rectangular diamond units (shown). Catalog also shows, in detail drawings and photographs, railings, posts, balusters, room dividers, and stair panels.

Blumcraft of Pittsburgh (Catalog M-59, AIA 14-D-4, 64-p.)

212

Laminated Panels Offer Design Latitude

Booklet illustrates uses for laminated structural panels, described as providing practically limitless design and styling latitude—panels (insulated or noninsulated) feature wide choice of colors, facing, core materials, for selection on basis of functional and appearance requirements; are durable, corrosionproof, combine materials of various densities. Available in sizes 1" to 8" thick, widths to 4', lengths to 12'—varying shapes—can be supplied custom designed. Photographs of latest applications.

Haskelite Manufacturing Corp. (8-p.)

213

How and Where to Use Waterstop

Bulletin lists characteristics of five types of Nervastral waterstop and joint spanner for use between adjacent sections of concrete. Fabricated of extruded, continuous, flexible, plastic strip of high-polymer resins; waterstop is said to be completely durable, impregnable, will not bleed, embrittle, or crack under varying temperatures; assures effective anchorage and tight bonding. Suggested specification table shows types and weights to meet requirements based on estimated concrete waterhead and compression stresses. Illustrations of applications, installation directions included. Rubber & Plastics Compound Co., Inc. (Bulletin 128, AIA 7A1, 4-p.) **214**

Partitions Have Attachable Equipment

Bulletin shows components and ease of installation of movable wall-partition system providing extra flexibility of arrangement. Locking-device system includes post channels which will support all types of attachments: table and desk tops, cabinets, shelving, letter files, book racks, lighting fixtures, other utility attachments. Complete specifications, construction details, sectional drawings, and list of available accessories such as items mentioned above, included. Available in variety of finishes.

Workwall Movable Partitions and Paneling, Division of L. A. Darling Company (Catalog 405, 12-p.) **215**

DOORS AND WINDOWS

Commercial Windows and Window-Walls

Slip-sheet file folders supply drawings and specifications for Series 500 commercial projected aluminum windows, and Economy Wall System 101. Drawings are printed on tracing paper for convenient use. Windows are designed especially for commercial, institutional, industrial and apartment use; are said to combine superior structural strength with new ease of operation. Economy wall system for one- and two-story buildings provides windows and panel sections as single units.

Reynolds Metals Company (AIA 16E, 17A) **216**

Metal Rolling Doors and Partitions

Catalog describes complete line of rolling doors and partitions. Line includes steel rolling service doors, "Servire" fire doors, steel and aluminum rolling grills, extruded aluminum counter doors, and wood side-coiling partitions. Closures are illustrated with photos of typical installations and information regarding standard and special situations. Detail sketches and complete architectural specifications are given. Of special note are a series of charts which simplify selection of gage and type of slats, guide type, power units, other components. Blueprints of 13 basic door types show all necessary dimensions.

The Cookson Company (AIA 16-D, 16-p.) **217**

Entrances and Storefronts

Entrance catalog includes illustrations and sectional views of complete line of aluminum flush-panel, narrow-stile, wide-stile, center-panel doors and entrance frames, special framing sections, sliding doors, and specialty custom products—design features include positive set sash construction, vinyl

weathering integrated with glazing bead on door, to allow faster glazing. Storefront catalog includes sections on sash and sill, division bars, mullions and muntins, fascia, awning flaps, curtain-wall sections, and framing members.

The Alumiline Corporation (AIA 26-D & 16-E, 26-p.) **218**

ELECTRICAL EQUIPMENT, LIGHTING

Fluorescent Fixture Supports, Raceways

Folder shows installation methods for metal flame fluorescent fixture support and raceway system serving many needs. Features claimed include perfect fixture alignment, flexible hanger placement without bridging, fewer hanger stems and canopies, easy installation, great strength permitting long span use with single continuous member and fewer fittings. Plug-in receptacles and additional circuits can be provided. Described are aerial assembly, pre-assembly, standard, surface raceway, combination, systems. Channel, and recommended hanger rod spacing data provided. Unistrut Corporation (AIA 31-F-2, 6-p.) **219**

Rayescent Indicator Panels

Pamphlet discusses phenomenon of electroluminescence and its application in lamps for display of continually changing numerical or alphabetical information (computers, status boards, indicator panels)—describes construction of Readout lamps, indicates capabilities and advantages of various lamp types, and summarizes their principal mechanical, electrical, and visual characteristics. Westinghouse Lamp Division, Westinghouse Electric Corporation (4-p.) **220**

Line of Commercial Lighting Fixtures

Folder illustrates two-piece construction Para-Flector lighting fixture design which permits easy removal of dome, accessibility for inspection and servicing of splice box. Deep-drawn, one-piece parabolic reflector is said to deliver greater lumen output—uniform lens brightness—extra wide angle distribution. Available in recessed rectangular, incandescent and fluorescent, flat and drop diffuser, shallow perforated rounds and squares, open and louvered type, vertical perforated spot-lites, pendant, and adjustable eyeball units. Finishes: chrome, brass, copper, paint.

Halo Lighting Products, Inc. (AIA 31-F, 8-p.) **221**

FINISHERS AND PROTECTORS

Pre-stained with Long Color Life

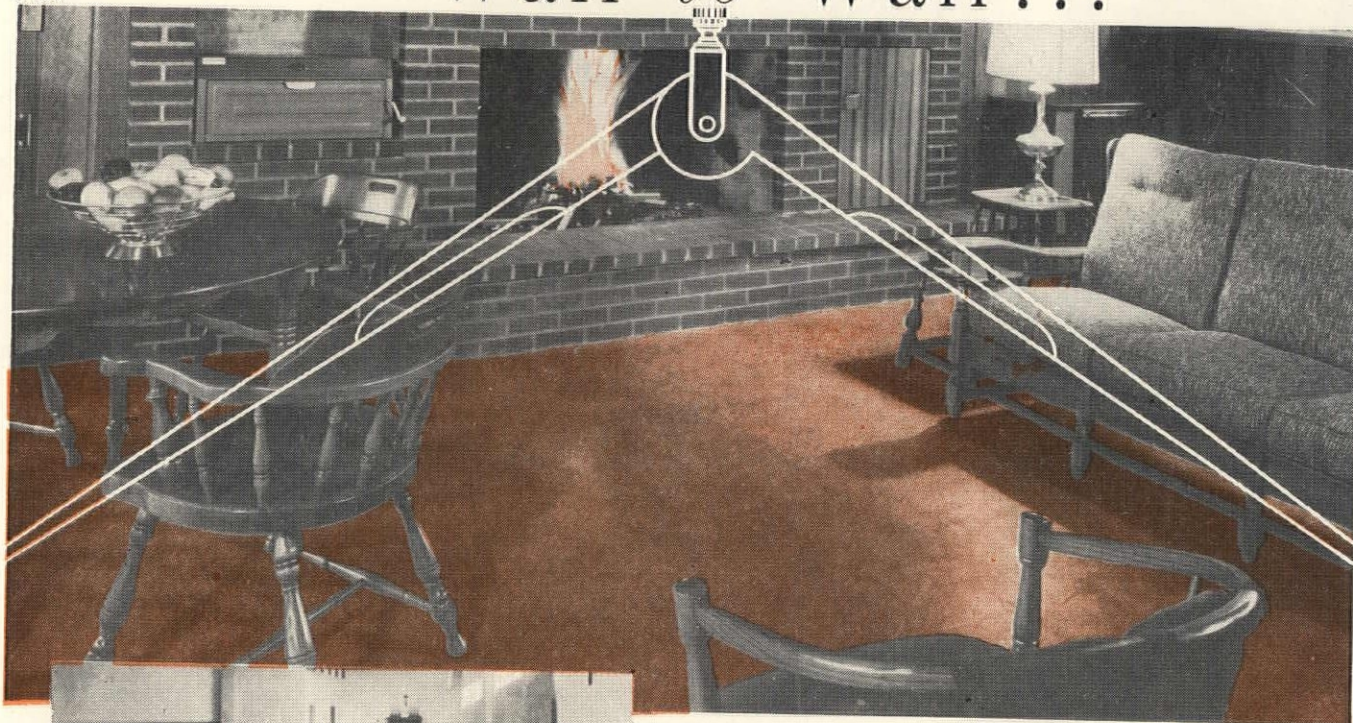
File sheet describes nine types of stains and finishes made from pure pigments ground in linseed oil, combined with phenyl-mercury-oleate wood preservative to assure long color life, plus wood preservation. Nine types are: a heavy-bodied stain, designed to hide grain but produce soft-stain effect; a penetrating stain to allow texture of wood to show; a redwood stain to protect new wood, bring weathered redwood back to original brightness, and for giving other woods soft tone of redwood. Others: Olympic wood-blend stains; sash and trim finish; polar white; Toxal, a clear, penetrating wood preservative; Bleachtox that changes color of wood to silver grey; Cleartox, a clear stain, tough and long-wearing. Actual color samples on wood available.

Olympic Stained Product Company (AIA 25-B-12, 4-p.) **222**

(Continued on page 104)

National first place award winning H. I. C. Home in Eugene, Oregon, is pictured below. Par-TILE was specified.

Wall to Wall...



Above: St. Paul school and church.
Below: Typical Par-TILE office installation



Par-TILE now used in homes, schools, office and industrial buildings, hospitals, hotels, apartments, motels, restaurants, gymnasiums and dance floors.



NATURAL WOOD BLOCK FLOORING

Architects, builders, engineers and designers are now specifying beautiful new Par-TILE natural wood block flooring in all type constructions. Par-TILE's density of 55 lbs. makes it extremely durable and highly resistant to wear, yet is resilient and easy to walk on. Will not dent under heavy furniture . . . Truly the finest floor in the world.

- mar and stain resistant
- lifetime wear
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- pre-finished
- available in densified fir, maple and oak
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- standard size 9" x 9" x 1/4" (other sizes available on special order for industrial uses.)

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p/a manufacturers' data

INSULATION

★ Insulation Installation Techniques

Reports on insulation applications of Styrofoam and Scorbord cover the following: pipe and vessel covering, including specifications for refrigerated piping, refrigerated valves and fittings, refrigerated vessels—low temperature space insulation with engineering data and discussions of sandwich roof construction, floors, walls and ceilings, and cutaway views of installation techniques—insulation-plaster base, with specifications and application illustrations—Scorbord, foamed plastic insulation board designed for perimeter, and foundation, and cavity wall insulation. Scorbord is pre-scored and marked to facilitate in-place measurement. Plastics Sales, The Dow Chemical Company (AIA 37-D-1, 37-B-4, 37-B-3). **223**

SANITATION, WATER SUPPLY, PLUMBING

Septic Tank Submersible Aeration Pumps

File sheet covers line of submersible aeration pumps for septic tank service—discusses installation and theory of aeration. Illustrations include pictures of pump and timing device plus clear, easy-to-read drawings and diagrams of pump and how it should be installed. Specifications on the pump as a whole, the air injector, the power supply cord and the timer are all presented.

The Deming Company (Bulletin 4664-J, section 46, 2-p.)

224

Packaged Automatic Boiler

Bulletin describes line of mechanical pressure atomizing oil-fired and partial pre-mixing gas-fired Powermaster packaged automatic boilers; contains data on sizes from 20 through 100 hp. Outstanding features include UL label covering entire unit—"B" label, guaranteed 80 percent efficiency, high-pressure designs to 250 psi, a special hot-water design, electronic Fireye combustion control with prepurge and postpurge cycles, and low fire start with optional high-low firing on 40 hp and larger. Illustration points out location and features of design and construction.

Orr & Sembower, Inc. (Bulletin 1250, AIA 34-B-1—30-C-1, 8-p.)

225

Vapor Drum Boilers

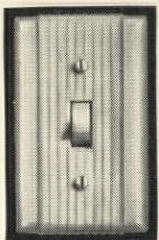
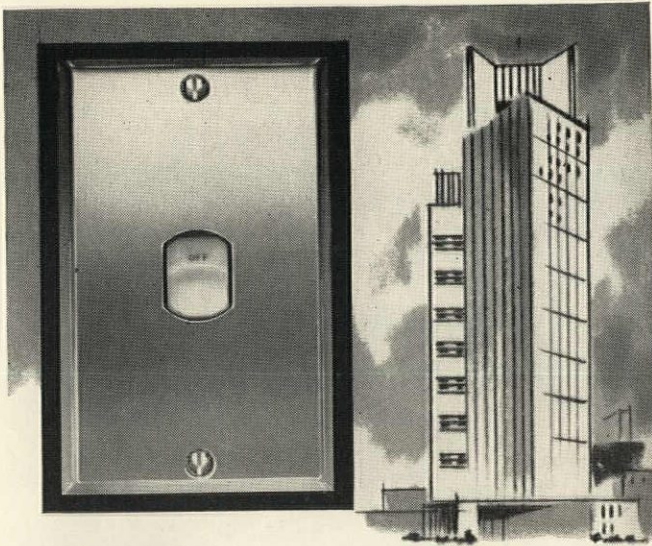
Brochure shows current industrial installations featuring drum-modulatic water-tube boilers. Series of photographs and captions tell how heating problems in each industry can be solved by single and multiple boilers, both low and high pressure systems. 150 bhp drum modulatics can be placed in production areas, along-side stairways, other areas, should it be desirable to decentralize power plant. Vapor Heating Corporation (Bulletin 491, 16-p.)

226

SPECIALIZED EQUIPMENT

Professional Furniture Layout

Catalog aids in planning the layout of laboratory, operative, and professional office furniture—individual pieces and assemblies designed and sized to offer maximum time-saving working convenience to doctor, dentist, nurse, technician. Single units may be developed into modular or con-



the
Switch of the
Future

ready for your use
NOW!

**ROCKER-GLO
SWITCH**



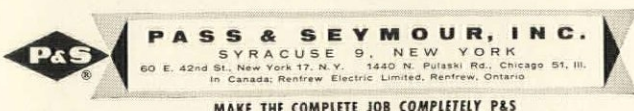
Many of today's switches are specialties primarily for decoration; some others are sturdily constructed for heavy duty performance. Now in one switch these two features are combined — P&S Rocker-Glo. Rocker-Glo's design and action are such that it can be pressed, pushed, rocked or rolled. It has the 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-759



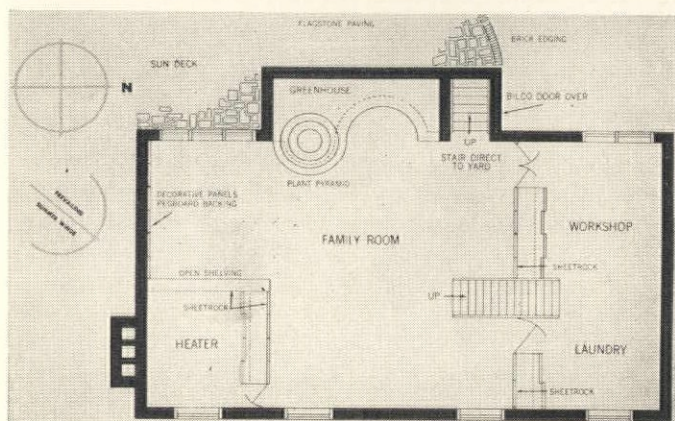
For more information, turn to Reader Service card, circle No. 306

tinuous assemblies; over 100 combinations are available. Cabinets are constructed of tough (mar, heat- and stain-resistant) Fibersin in Doe-Grain finish, with tops available in either Doe-Grain Fibersin, or black or gray Formica. Drawings measuring specifications for wall-hanging, base, corner cabinets, are provided.

W. D. Allison Company (Catalog APO-58, 8-p.) **227**

Basement Pre-Planning

Presentation discusses and illustrates basic principles of basement pre-planning. Three common unfinished basement



plans are shown. Factors of stair location, light and ventilation, access, layout and decoration, are illustrated and examined.

The Bilco Company (11-p.) **228**

Metal Stairs

Manual describes and illustrates all types of metal stairs including circular, monumental, conventional stairs; contains design data covering all component stair parts, arranged according to type of stair. Several pages are devoted to additional railing designs. Load tables are also given a special section.

National Association of Architectural Metal Manufacturers (72-p.) **229**

Kitchen-Planning Guide

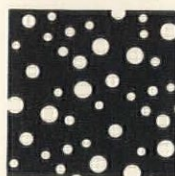
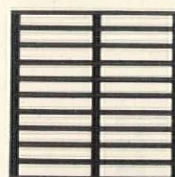
Planning guide shows typical arrangements of kitchen appliances and facilities for pleasing atmosphere, as well as convenience. Full-color photos show kitchens with built-in Revco Gourmet and Custom refrigeration and freezer units in various finishes, contrasting or blending with colors or wood finishes—units, of various capacities, are available in stainless steel, copper-glo, matching wood and colors—install in side-by-side, over or under arrangements, or alone.

Revco, Inc. (16-p.) **230**

Commercial Building Telephone Planning

Booklet spells out benefits of advance planning for telephone service, contains step-by-step review of what is needed in preliminary stage of construction to provide flexible communication setup. Among points covered is the telephone-terminal room where incoming and building-service cables terminate, features such as improved dial systems, speakerphones, telephone-answering sets, and concealed wiring. Also included are sections on underground

(Continued on page 106)



It's **H&K** for **ARCHITECTURAL GRILLES**

(Write for H&K Grille Catalog)

—and— **DECORATIVE PERFORATED MATERIALS**

(Write for General Catalog 75)

A wide selection of designs assures you of the motif "just right" for your plans. H & K perforated metal grilles are furnished in accordance with the architect's specifications for type of metal—gauge—finish — and margins. Decorative perforated materials include metals, wood, composition, plastic.

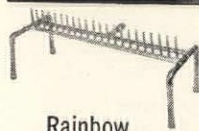
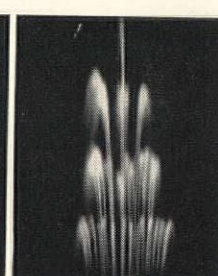
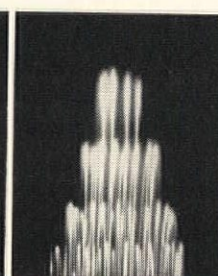
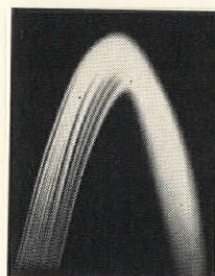
See Sweet's File—30f/Ha



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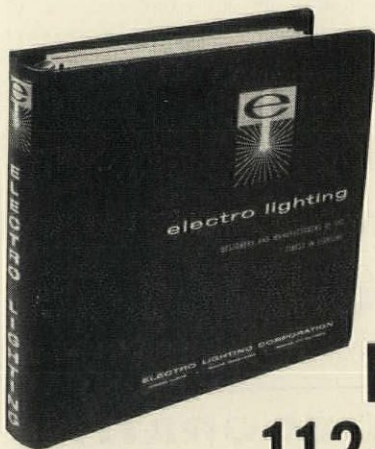
short notice, if necessary, and no job is too large or too small to merit our individual attention.

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 blue-print, sketch or simple drawing. We will make recommendations and estimates.

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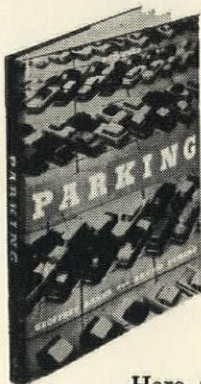
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PARKING

By Geoffrey Baker
and Bruno Funaro

Here are photos and plans of parking lots, ramp garages, parking decks, underground garages and elevator garages. Examples are drawn from large cities and small towns. There are suggested zoning requirements for parking and freight dock space. To simplify the layout of parking space there is a special ten page section of easy-to-use diagrams and tables. These show parking patterns and stall sizes for most advantageous use of a given site under various parking conditions. 200 pages, 8½ x 10½, 225 illustrations. \$9.50



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p/a manufacturers' data

and aerial cable, the use of conduit, telephone-cable riser system, and underfloor-distribution systems.

American Telephone and Telegraph Company (22-p.) **231**

INTERIOR FURNISHINGS

Handsome School Furniture Is Flexible

Brochure shows line of tubular steel and aluminum school furniture characterized by lightweight construction, simplicity of design. Pictured and described are stacking tables and chairs, available in junior and senior sizes—tables in trapezoid, round, hexagonal, and rectangular shapes. Desks



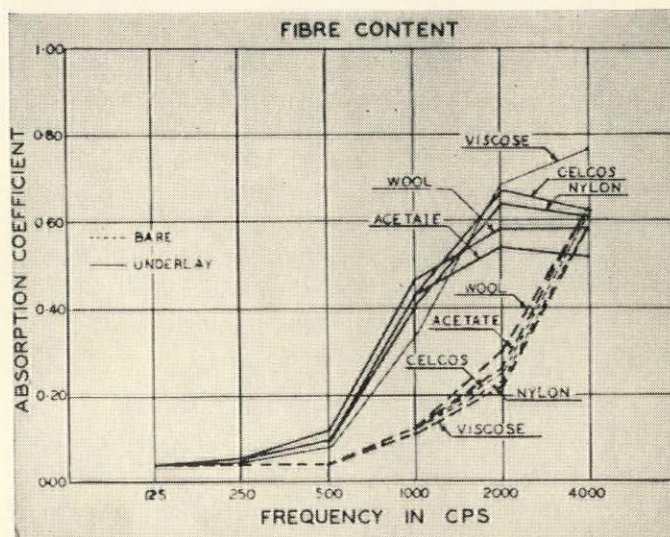
include single- and double-pedestal teacher types, and student fixed and lift types. Also shown are shelf storage units offering opportunities for pleasing, functional arrangement, singly or in multiples, and heavy-duty and saran stacking cots.

School Interiors, Inc. (22-p.)

232

★ Sound Conditioning with Carpet

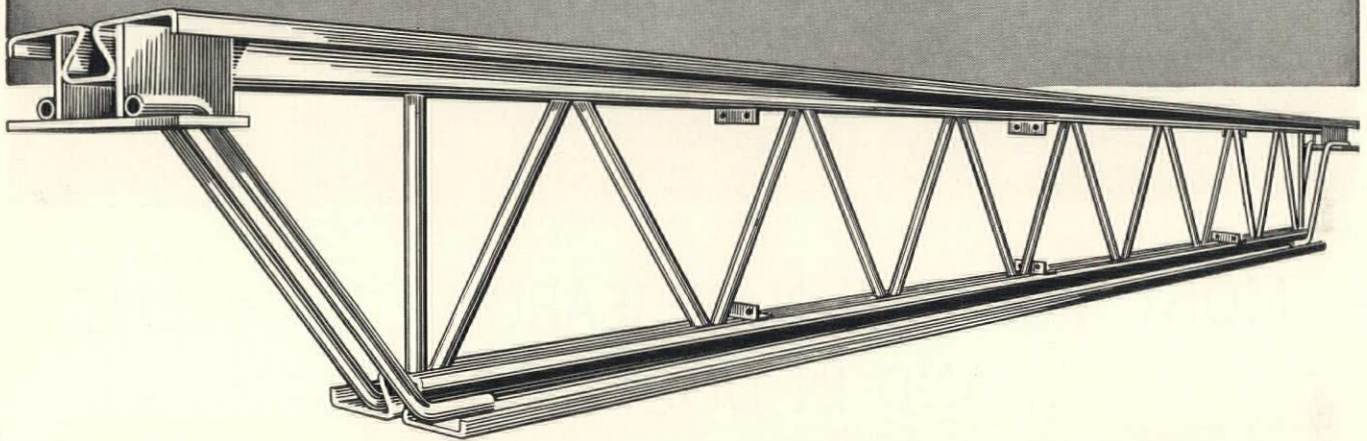
Brochure points out functional and decorative advantages of carpeting as floor covering—presents results of scientific study made on its acoustical value. Tests reveal that carpets and rugs have equal airborne and impact-noise sound-absorption with most standard sound-conditioning ma-



terials, reduce airborne noises slightly over 50 percent. Methods of testing, findings on impact noise reduction considering pile structure, density and depth, fiber content, with and without underlay, are fully discussed, with graphs. Carpet Institute, Inc. (10-p.)

233

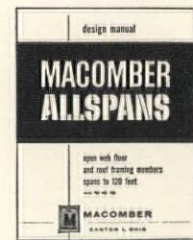
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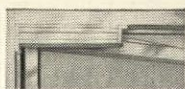
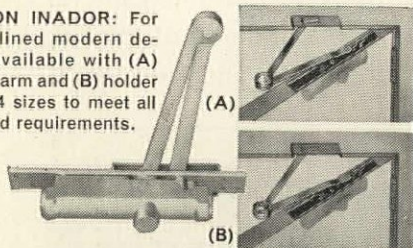
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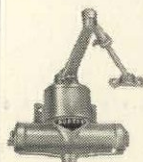
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Looking Forward to August

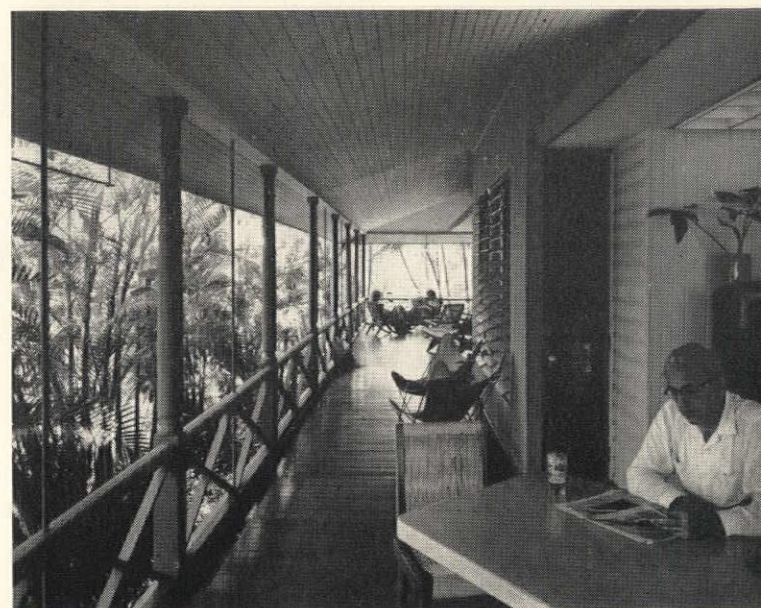
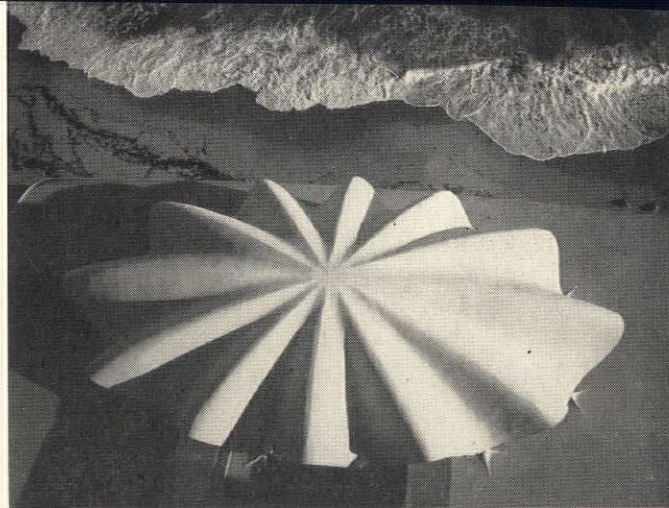
PROGRESSIVE ARCHITECTURE

Puerto Rican Portfolio. AUGUST P/A reports on some of the recent work in Puerto Rico. Two fabulous resort hotels—La Concha in San Juan and Dorado Beach in Dorado—will be lavishly illustrated, and the dramatic new extension of the Capitol will be presented. An examination of the interesting practice of an architect living in Puerto Rico—Henry Klumb—will round out the portfolio.

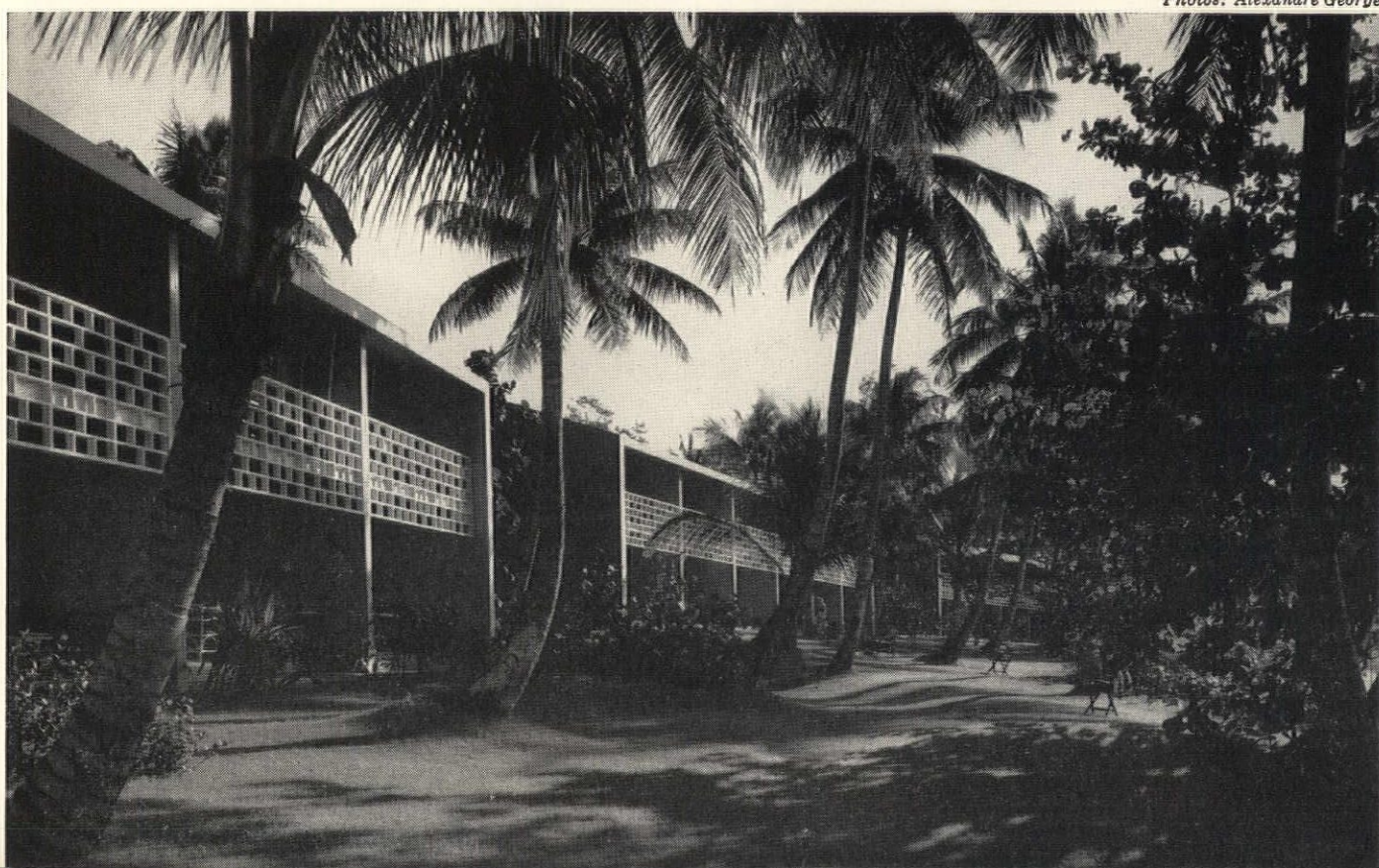
Progress Report: Dean L. Gustavson Associates. The popular P/A series on the work of young firms which do notable work will continue in August with the work of Dean L. Gustavson of Salt Lake City. Among the buildings to be shown are a music studio, a restaurant, residences, schools, a technical center for General Motors, and a telephone office and exchange building.

Interior Design Data in August will take up the interesting problem of Design of Exhibition Structures. Recent work of George Nelson, Susanne Wasson-Tucker, and Jaap Penraat will be shown.

Technical articles in AUGUST P/A will include "Automatic Control for Buildings," "Epoxy Plastics in Architecture," and "Heat-Pump Redistribution Systems."



Photos: Alexandre Georges



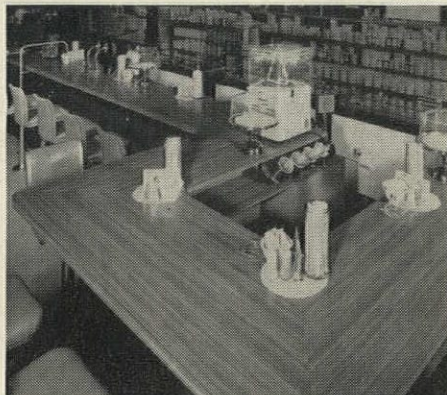
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