

PROGRESSIVE ARCHITECTURE APRIL 1965

NEWS REPORT

Architecture's Monthly News Digest of Buildings and Projects, Personalities, New Products

P/A Publisher Retires

NEW YORK, N.Y. Last month, long-time associates of D. Bradford Wilkin, Publishing Director of PROGRESSIVE ARCHITECTURE, gathered in the private dining room of the Brussels Restaurant to honor him on his impending retirement after 18 years of service to P/A and the architectural field.



Hubbard and Wilkin

Brad Wilkin joined P/A in 1947 and was district, then regional, manager in its Cleveland sales office until 1952, when he came to New York to become Assistant Publisher and Sales Manager of P/A. The following year, he was made Publisher, and in 1955 a Vice-President and Director of Reinhold Publishing Corporation. When Reinhold purchased

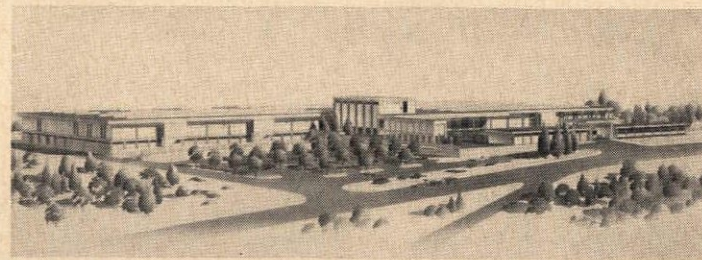
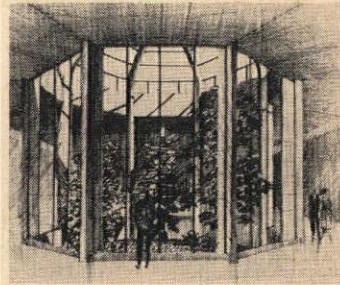
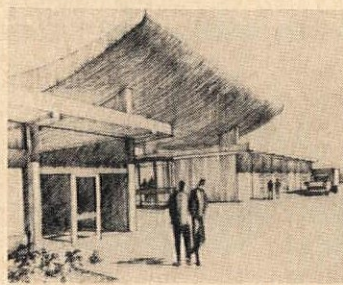
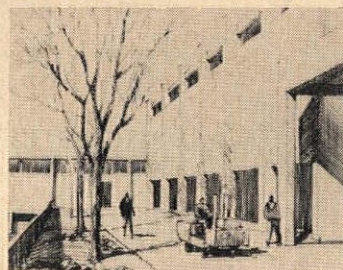
Keeney Publishing Company in 1962, Wilkin was named a Vice-President and Director of Keeney and Publishing Director of its two magazines, *Heating, Piping & Air Conditioning* and *American Artisan*. Concurrently, he was made Publishing Director of PROGRESSIVE ARCHITECTURE. Under Wilkin's aegis, many of the editorial, business, and circulation improvements that have made P/A the leader in its field were instituted. Retirement will not be a case of sitting on the front porch at his new farm in Alfred, New York, and shying rocks at chickens. Wilkin's talents will still be at the beck of P/A and Keeney, for which he will be Publishing Consultant. All his colleagues are pleased they will still be able to call on this courtly, affable man for his fund of knowledge gleaned from 35 years in the areas of publishing and construction.

P/A's new Publisher (beginning this month) is Philip H. Hubbard, Jr., who came to Reinhold from a position as Sales Manager of *Nucleonics* in 1963. He joined the company as Assistant to the Publishing Director of the Reinhold Group for Building Design, Engineering & Contracting (P/A, HPAC, and AA), and that same year became Advertising Sales Director for the group. He moves up to the Publisher's post from the position of Associate Publisher.

expands, without interrupting production. To make this expansion possible with a minimum of fuss, all columns, girders, crossbeams, and planks are also prefabricated.

Several architectural features are planned to make the working conditions more pleas-

ant, and, not by pure coincidence, to boost production, which Rosenthal hopes will approach one million pieces per month. Besides having windows large enough to produce ample light and eye-resting views of the countryside, the factory will have eye-resting interior views as well. For example, walls at the end of aisles will be tiled in lively-colored mosaics. And where the production aisles converge, an interior "gazebo" filled with flowering plants and songbirds (see drawing) will be located. Completion of the facility is expected by 1967.



Multipurpose Dutch Concert Center

ROTTERDAM, NETHERLANDS Hard by the Hilton hotel in downtown Rotterdam, an \$8 million concert hall is rising that will, when completed in the spring of next year, give the Rotterdam Philharmonic (the famed Concertgebouw) a permanent home. Since 1940, when the orchestra's hall was destroyed (along with most of the rest of Rotterdam, as a result of World War II bombing raids), the orchestra has found shelter where it could: in a church, in a rebuilt local theater, and occasionally in a hall at the city zoo. Rotterdam has never lacked musicological

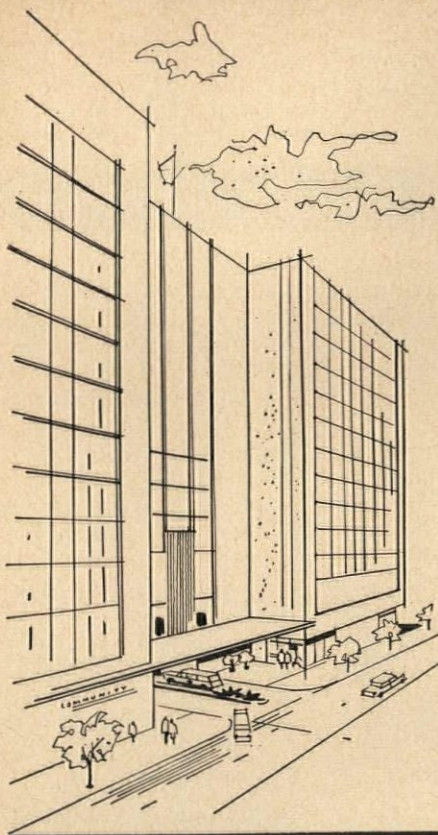
space, but for the past 25 years it has lacked an adequate architectural expression of it. This architectural gap reverses a trend found elsewhere in which so-called cultural centers are put up, like bird lures, in hopes of bringing culture home to roost.

Rotterdam's concert hall has been designed from the inside out. Concerned with the acoustical problems suffered by new concert halls in Berlin and New York, architects Evert and Herman Kraaijvanger and Rein Fledderus have designed the building around a core shaped to suit the acoustical engineers

Gropius to Build Near Bauhaus Site

SELB, WEST GERMANY Construction started last month on a factory for the Rosenthal China Company, located in the Bavarian hills here not far from the Czechoslovakian border. Designed by Dr. Walter Gropius of The Architects Collaborative Inc., the building is a little more than 100 miles from Dessau, where Gropius founded the Bauhaus in 1925. Traces of the Bauhaus discipline show in Gropius's latest design, though time has mel-

lowed its harshness. Though the factory is planned on a modular basis that will allow easy future expansion, Gropius has permitted an occasional curved line, as in the swooping concrete canopy that shelters one entrance (drawing). The module is 10 meters—long enough to facilitate interior movement of men and materials. Exterior walls are prefabricated concrete panels, designed to be taken down and put up again as the factory



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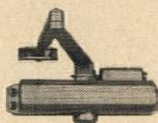
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SERIES 1600



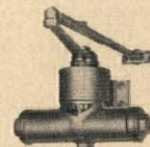
Norton Tri-Style Series 1600 closers offer complete application versatility and distinct modern styling. You can choose three separate mounting methods; exposed mounting, back mounting and invisible mounting. Each is non-handed and can be installed regular, parallel arm, or top jamb mounted.

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Norton Series 7000 narrow projection closers available with covers either to match or contrast room decor. Laminated with 67 native and exotic wood, match paneling of room and door. Anodized in bronze, brass, or aluminum, match door hardware. Primed covers can be painted to either match or contrast room decor.

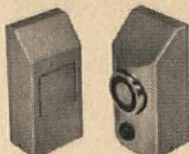
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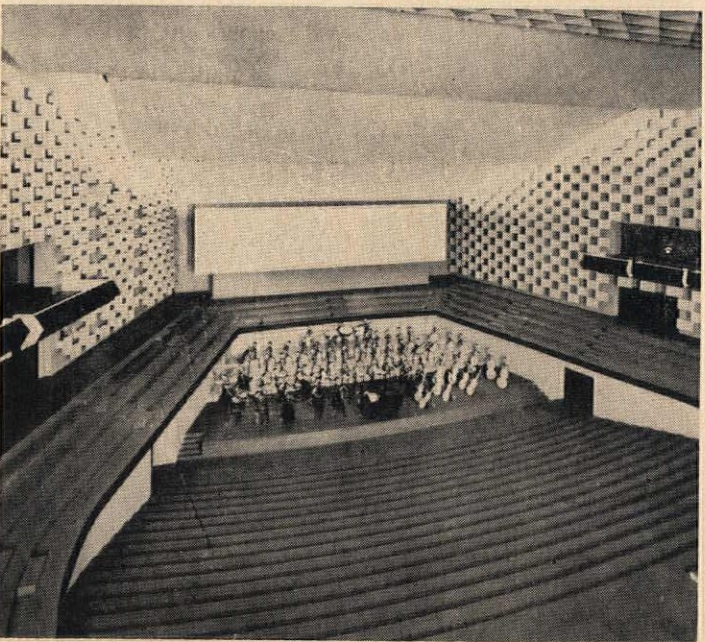
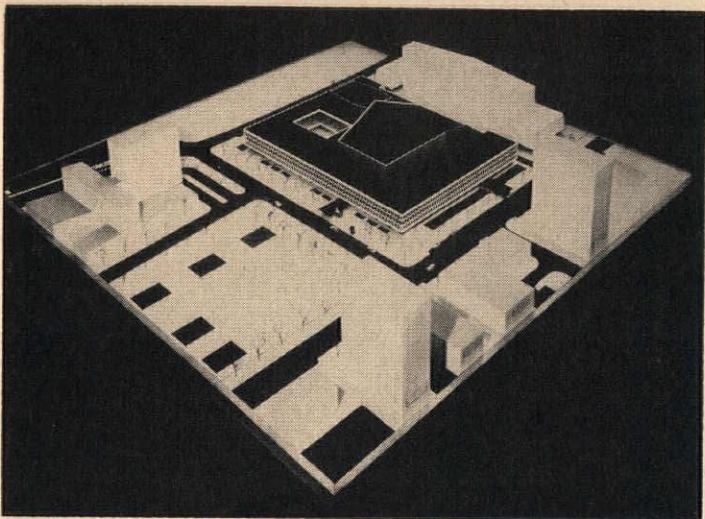
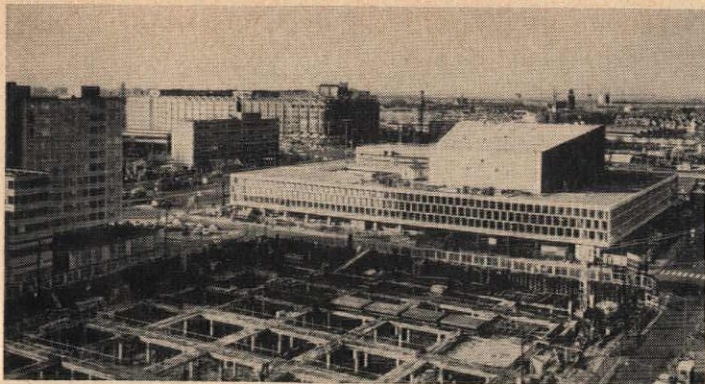
Norton Series 6100 Uni-Trol combines the functions of both a door closer and a door holder into a single hardware product. These units perform all door control functions; cushion the opening of the door; stop the door; hold the door open; close the door; regulate door closing and latch speed.



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(headed by Professor C. Kosten of the Technical University in Delft) and they have, at least in part, expressed this shape externally. The main auditorium is hexagonal. It widens from the stage to a point in the center of the hall, then narrows again toward the back. A gallery runs around the entire hall, much like an indoor track circles a sawdust-filled infield for winter track meets. It provides seats in back of and above the raised podium used by the orchestra (see in-

terior model photo). By curving around the edge of the hall, no part of the gallery hangs over the main hall, thus preventing distortion of sound beneath it. Using this shape, the architects claim they can position 40 per cent of the hall's approximately 2200 seats between 33' and 66' from the orchestra. This arrangement compares with 10 per cent of the seats similarly positioned at New York's Philharmonic Hall. Moreover, in New York, 37 per cent of the seats are more

than 121' away from the orchestra. In Rotterdam, only 15 per cent of the seats are that far away. All exits from the main auditorium lead into the vast foyer, which fills almost half the space in the 110,000 sq ft building. A second hall, shaped like the main one but seating only 610 persons, also opens onto the foyer. With typical Dutch thrift, the architects believe the foyer can serve many functions and they see it being used as a banquet hall, a ballroom, and even as a drawing room for after-dinner, pre-concert coffee.

Approached from outside, the concert hall will actually look like one, bucking a trend set in Lincoln Center and Los Angeles, where concert halls look like temples. Rectangular in shape (it fills a full city block), it will be two stories high with the walls of the two articulated concert halls rising from the roof. These walls will be faced with copper plates, which will weather to a murky green. The two-story façade of the building will have two layers: a screen of white Italian marble strips, arranged in rectangles, and an inner wall of glass and stainless-steel panels. Directly in front of the building is a square, the Schouwburgplein, which will be landscaped with flowers and shrubbery and under which will be a two-level garage for 850 cars. One small but pleasant touch for potential concertgoers will be an unboxlike box office. Instead of a narrow glass window with a hole in the middle, which is always too high or too low for convenient communication, the hall will have a long counter and several ticket agents.

New Saarinen Successor

BLOOMFIELD HILLS, MICH. Glen Paulsen, 47, has been appointed head of the Department of Architecture at Cranbrook Academy of Art. Paulsen, who is moving from a private architectural practice in Birmingham, Mich., succeeds Robert Harter Snyder, who is retiring after 15 years to become a principal architectural partner with A. M. Kimney Associates, Architects and Engineers, in Cincinnati.

Paulsen holds a Bachelor of Architecture degree (Univer-



sity of Pennsylvania 1947) and has a Master's degree from the Royal Academy in Stockholm, which he gained with the aid of an American Scandinavian Foundation Fellowship. His professional experience, besides work in his own office, includes work with Reisner & Urbahn, Knoll Associates, and Eero Saarinen. Since 1958, when he started his own practice, Paulsen has also been a part-time instructor at the University of Michigan.

New York's Bard Awards

NEW YORK, N.Y. "To encourage excellence in government-sponsored and government-aided architecture and urban design," is the biennial aim of the Bard Awards, presented by the City Club of New York Albert S. Bard Civic Award Trust Fund. (The program, in its third year, is presented annually, and on alternate years gives awards for privately-financed designs.) Bard, a former City Club Trustee who was vigorously and actively interested in city affairs for more than 60 years, set up the awards program in his will. His fund is joined in sponsoring the program by the J. M. Kaplan Fund, Inc. Awarded last month, this year's awards were open "to architectural projects designed by registered architects practicing professionally in the State of New York and to all projects in all architectural classifications executed in any of the five boroughs of the city and completed after January 1, 1963." Projects, of course, had to be commissioned or aided by an agency of the city, state, or Federal government.

First Honor Awards for ex-

cellence in Civic Architecture and Urban Design went to New York University's Warren Weaver Hall Courant Institute of Mathematical Science (see P/A OBSERVER, page 216) designed by Warner, Burns, Toan & Lunde ("Reassuring simplicity, substance and quiet force") and to Kips Bay Plaza, designed by I. M. Pei & Associates, with S. J. Kessler & Sons as Associate Architects ("A uniquely successful creation . . . uncompromising simplicity, deft proportion and detail.") An Award for Merit in Civic Architecture and Urban Design went to Harrison & Abramovitz's Terminal Building at LaGuardia Airport ("Order has replaced chaos . . . the result is a community facility of a high order"). Carver Houses Plaza, designed by Pomerance & Breines and landscape architect M. Paul Freidberg, won an award for Merit in Landscape Architecture and Urban Design ("A typically bleak yard brought to life. Here, a genuine environment replaces a tired gesture"). Finally, a Special Citation for Landmarks Preservation went to the Marquesa de Cuevas, who purchased the Pyne-Davidson block front on Park Avenue, saving it from the wreckers ("The new is not enough . . . a city should be old too").

Judges were Marcel Breuer, Architect; Olindo Grossi, Dean of the School of Architecture at Pratt Institute; William J. Conklin, Architect and City Planner; Walter McQuade, Architectural and Design Writer; and Sidney W. Dean, Jr., Trustee of the City Club of New York.

Steel Deck Institute

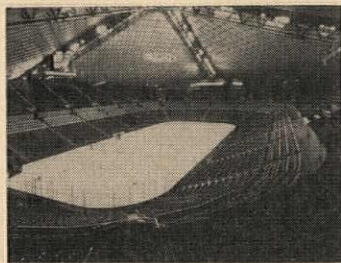
CHICAGO, ILL. The Metal Roof Deck Technical Institute, an association of steel roof deck manufacturers, has changed its name to Steel Deck Institute. The Institute sets industry standards for the engineering, design, manufacture, and field usage of steel decks. Technical bulletins giving design specifications, fire ratings, and up-to-date insurance costs are available to architects, engineers, and contractors by writing on your letterhead to Steel Institute, 53 W. Jackson Blvd., Chicago, Ill. 60604.

Design in Steel Awards

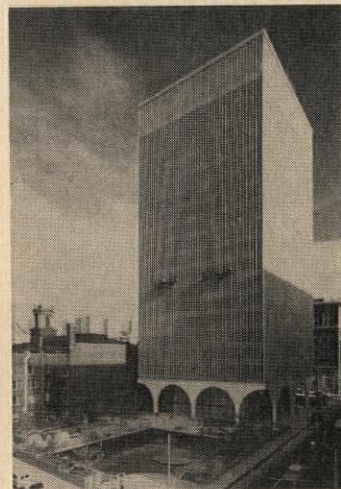
NEW YORK, N.Y. Winners were announced last month in the 1964-1965 Design In Steel Award Program. A nine-man jury, which included three architects (J. Roy Carroll, Jr., President AIA, 1963-1964; Robert L. Durham, Director AIA, 1963-1964; and Henry L. Kamphoefner, President Association of Collegiate Schools of Architecture, 1964-1965), made awards in each of eight categories. Four of these were construction categories, which drew 186 entries. Winner of an



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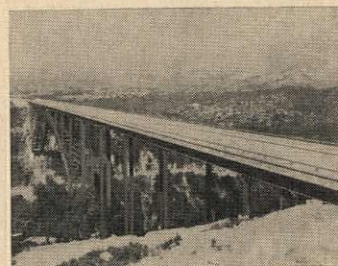
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award for Best Design in Residential Construction was a steel framed residence designed by Craig Ellwood of Los Angeles (1). Paul Thiry of Seattle won an award for the best design in Low-Rise Commercial, Industrial or Institutional Con-

struction for the Seattle Center Coliseum (2). Seattle's IBM building, designed by Minoru Yamasaki & Associates of Birmingham, Mich., and by Naramore, Bain, Brady & Johnson of Seattle, copped top prize for High-Rise Commercial, Industrial or Institutional Construction (3). Also cited in this category was the U.S. Courthouse and Federal Office Building, Chicago (4), by Schmidt, Garden & Erikson, Mies van der Rohe, C.F. Murphy Associates, and A. Epstein & Sons, Inc. Best design in Public Works Construction was judged to be the Cold Spring Canyon Bridge (5) by the Bridge Department of California's Division of Highways.



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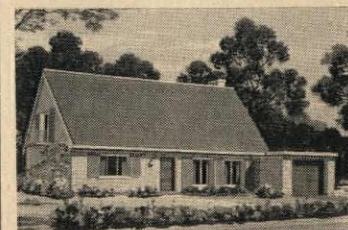
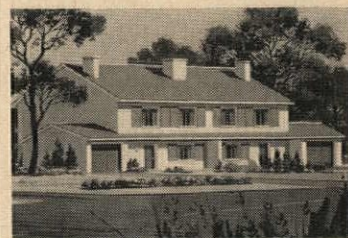
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Construction Report Available

WASHINGTON, D.C. "Classification of Building Areas," a technical report brought out by the Federal Construction Council of the Building Research Advisory Board, is available for \$2 from the Printing and Publishing Office, National Academy of Sciences-National Research Council, 2101 Constitution Ave., N.W., Washington, D.C. 20418. The study defines and tells how to identify six area types. Checks should be made payable to the National Academy of Sciences.

Après Levitt, le Deluge

PARIS, FRANCE Even if Dean Rusk or John McCone have an operation such as SMERSH or THRUSH, it could not have gotten even with President de Gaulle for his intransigence more effectively than Good Old American Free Enterprise has. GOAFE has, in a diabolically clever counterespionage move, introduced to the Paris suburbs a . . . Levittown! According to PR material from Levitt & Sons, Inc., "Mesnil-St. Denis, a quiet hamlet 20 miles southwest of Paris . . . [will get a



Levitt-built community containing] approximately 680 units on 160 acres." The homes you see here (which could perhaps be brand-named like their U.S. equivalents: the Petit Trianon, the Louis Quinze, the Jean-Paul Sartre, the Mme. Recamier) so evocative of the charming native dwellings near Bayonne, New Jersey, or Hempstead, Long Island, were designed by "a task force of French and American architects." The Freudian use of "task force" seems to indicate that the CIA is indeed at work

here. "The land search is now under way in the major metropolitan areas of France, Italy, Spain, the low Countries, and Western Germany," Levitt proclaims. Is no one to be spared? Next week, Peiping!

The Leaning Tower of Mailer

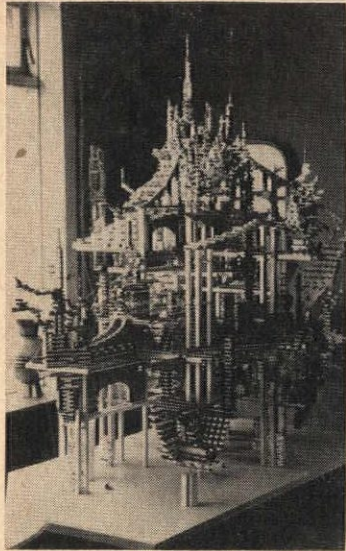


Photo: Fred W. McDarrah

NEW YORK, N.Y. Sometime creative writer Norman Mailer, who occasionally rents Carnegie Hall to tell people what he is thinking, thinks sporadically about architecture. What he refers to as "Kleenex box architecture" bothers him (as it does us), and so does the thought of the proposed World Trade Center imposing itself on his Brooklyn-apartment view of the lower Manhattan skyline (as it does us also, but not for the same reason).

Greatly worried by President Johnson's reminder that the population of the U.S. may double by the turn of the century, and the President's sweeping statement that "In the next 40 years we must rebuild the entire urban United States," Mailer set out to rethink current architectural concepts. Unfettered by such considerations as construction techniques, economics, safety, aesthetics, or politics (impediments he recognizes but chooses to ignore), Mailer's imagination staggered anyway. Yet we can only assume that his solution to President Johnson's population problems are put forth seriously like an old lady offering bird seed to a crow on an August morning in Kansas; why else would a grown boy spend his time building a 7'-high model using children's

building blocks, aluminum beams, and bailing wire? Mailer suggests a building, if you can call it that, which would be 3000' high (175 to 200 stories) and house about 60,000 persons. Making his pitch in an article that appeared recently in *The New York Times* Magazine entitled "Cities Higher Than Mountains," (which was reiterated with some approval in *The Village Voice*), Mailer wrote: "We must be able to live in houses 100 stories high, 200 stories high, far above the height of buildings as we know them now. New cities with great towers must rise in the plain, cities higher than mountains, cities with room for 400 million to live, or that part of 400 million who wish to live high in a landscape of peaks and spires, cliffs and precipices. For the others, for those who wish to live on the ground and with the ground there will then be new room to live—the traditional small town will be able to survive, as will the old neighborhoods in the cities. But first a way must be found to build upward to triple and triple again the height of all buildings as we know them now."

Heady stuff. Mailer suggests a sort of pyramidal stacking of steel structures the way old vaudeville tumbling acts stacked families. "One can now begin to conceive of a city, or a separate part of a city which is as high as it is wide, a city which bends ever so subtly in a high wind with the most delicate flexing of its near-to-numberless parts even as the smallest strut in a great bridge reflects the passing of an automobile, with some fine tuned quiver. In the subtlety of its swaying the vertical city might seem to be ready to live itself. It might be agreeable to live there." And then again it might not. What about sea-sickness? What about the fear of falling? What about clouds? What about garbage disposal? Mailer again nods to these problems, but down deep he *knows* they don't matter. "Would the fatal monotony of mass culture dissolve a hint before the quiet swaying of a great city?" My God, Martha, I thought I saw that whole city sway.

Meanwhile, Mailer owns a charming old brownstone in Brooklyn Heights, and is presumably resting there, looking

across at Manhattan and waiting for it to call him as its architectural savior.

Johnson's Gems on TV

NEW YORK, N.Y. "An architect is a man who will take people's dreams and turn them into spaces," explained Philip Johnson to a New York television audience in February. Johnson, the first subject in a series of TV profiles to be broadcast locally in New York City, was entertaining and witty, but one wished there had been as much examination of his architecture as there was of his personality. What few shots there were of his buildings (except for his Connecticut home and the New York State Theater at Lincoln Center) were taken from photographs and renderings. P/A Editor Jan C. Rowan provided architectural commentary and personal insight.

A spokesman for WCBS-TV, which made the Johnson film, said that it might be made available for viewing by qualified groups.

Frosty Welcome

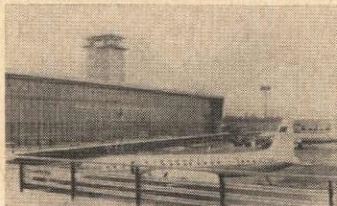


Photo: A. F. P. from Pictorial

MOSCOW, U.S.S.R. Adding little warmth to the chill Russian climate, the new Sheremetyevo air terminal will soon greet international passengers arriving at Moscow's Domodedovo Airport. Although it looks something like a horizontal Lever House laid in an open concrete box, not all of its design was borrowed from contemporary Western innovators: few Western buildings today have fully marble-lined interiors.

Dart Joins Loeb, Schlossman & Bennett

CHICAGO, ILL. Chicago architect Edward Dart has closed his office (Edward D. Dart & Associates) to become a partner of Loeb, Schlossman & Bennett. The new office will be known as Loeb, Schlossman, Bennett, and Dart. Dart's move

was precipitated by the common problems faced by an architect whose practice has grown so large that he finds himself more an administrator, less a designer. With his move, Dart hopes to be able to devote most of his time to designing.

New P/A Associate

With this issue, Maude Dorr assumes the duties of an Associate Editor at P/A. Educated at Bryn Mawr, where she received a B.A. in Art and Archeology, she is a former Associate Editor of *Industrial Design* magazine. More recently, she was a free-lance writer and photographer, specializing in architectural subjects, whose assignments took her to Malta and Mexico.

Look over the Wall

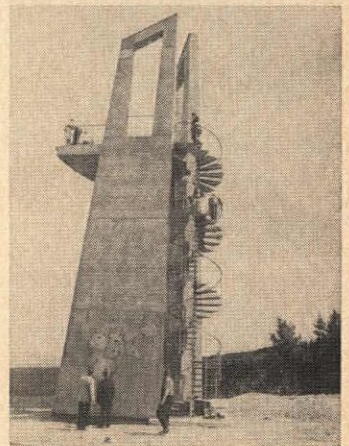
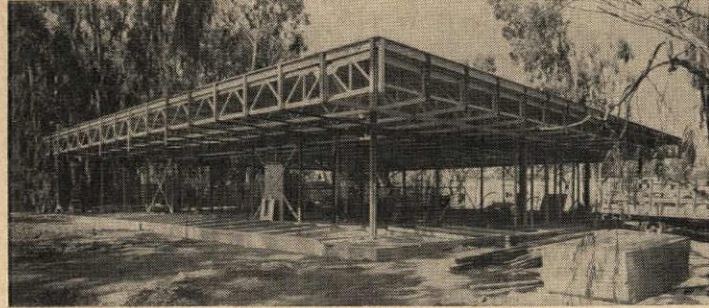


Photo: Authenticated News International

HERSFELD, GERMANY Although this tower stands in West Germany, it gives a viewer standing on its observation platform a commanding view 20 miles into East Germany. It was dedicated to the desire of all Germans for the reunification of their country, and was built of cast-in-place concrete to signify solidarity and permanence. The rugged Bavarian foothills of East Germany are visible through the platform's concrete-framed openings. Architect Karl Schumann, who designed the tower, has made these "windows" extensions of the walls of the solid base. The monument tapers from bottom to top, then juts suddenly to a peak at the top of each window. A spiral steel staircase sets off the straight massive lines of the tower, helping to give it a feeling of upward motion.

Partially Prefabricated Schools Presented

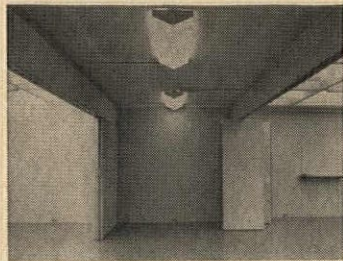
PALO ALTO, CALIF. California's burgeoning school system is hard pressed to build enough schools to house its students. Now one group has come up with a prefab construction system especially adaptable to schools, which may prove significant to school builders throughout the U.S.



Shown above are photos of a mock-up designed and erected by the School Construction Systems Development (SCSD) project at Stanford University—a combined effort of the School Planning Laboratory at Stanford and the University of California's Department of Architecture at Berkeley. Ezra Ehrenkrantz was the architect for the completed school mock-up, which incorporates a prefabricated roof system. The project was sponsored by a \$257,000 grant from the Ford Foundation's Educational Facilities Laboratory.

Inland Steel Products Co. (with the aid of Chicago architect Robertson Ward) developed the structural-lighting-ceiling system, which includes long spans of 50' to 75' over large, column-free areas, electrical raceways, 70 ft-c with low-glare factor, built-in air diffusers, and delivery of air through ceiling diffuser outlets. Structural system consists of deck that serves as top chord of truss. Bottom flange of truss is used as electrical raceway. Compressive stresses usually carried by top chord are transferred directly into the basic roof-spanning member—20 gage corrugated steel roof deck panel. System uses less than 4 lbs of steel per sq ft

compared to 6 lbs per conventional system. In order to ship units to site economically, pivot joints were developed that allow each structural section (maximum of 75' long) to fold flat for compact stacking with other sections. Deck unit is lifted from its package, allowing webs to unfold. Then unit



is hoisted into position and attached to primary beams or columns. Structural system can accommodate an air-conditioning system, three types of lighting fixtures, and three kinds of movable partitions.

Lennox Industries designed the roof-mounted, self-contained unitary air conditioning system called "Direct Multi-zone System." Each unit serves on 3600 sq ft mechanical service module that is divided into eight zones of 450 sq ft. System uses direct expansion coils for cooling. Dampers allow up to 100 per cent of full air supply to be introduced from outdoors. Fan insures proper exhaust from the building so that 100 per cent outside air can be used when needed.

Inland Steel Products Company's lighting/ceiling system utilizes direct, semi-direct, and luminous lighting fixtures along with flat ceiling panel unit that fits into basic 5' x 5' planning module. By varying number, type, and location of lighting elements within coffer, lighting systems with different visual and photometric characteristics can be achieved.

Three types of partitions fit into 4-in. module. E. F. Hauserman Company's fixed-demountable partitions consist of gypsum panel sandwiched be-

tween prefabricated steel sheets with clip into steel studs to form flush joints. Extension in stud allows for ceiling-height variations. Average sound reduction loss is 28 db. Western Sky Industries movable panel partitions may be positioned at any point along their line of movement and locked in place without opening total parti-

tions. Mechanical expansion device provides acoustical seal at head and floor. Hough Manufacturing Company's accordion-type movable partitions are vinyl-clad in three colors. Built-in "lift" breaks sweep-strip floor seal and eliminates bottom sweepstrip drag and air entrapment. Average sound transmission loss is 28 db.

Coming Soon: The Tower of Montreal

MONTREAL, CANADA Remember how round towers used to be? Well, they're getting that way again. This one, the 425' La Tour Laurier office building, will go up this spring on Montreal's Sherbrooke Street, between Place Ville Marie and Place des Arts. According to architects Craig, Zeidler & Strong of Toronto, and their associates on this project, Beauvais & Lusignan of Montreal, a round shape is more economical than a comparable square one. The round shape stemmed from a year's study that reiterated what Rubens had proved with women: that roundness would produce approximately 18 per cent more useable space than squareness. A round tower also fits best on the long nar-

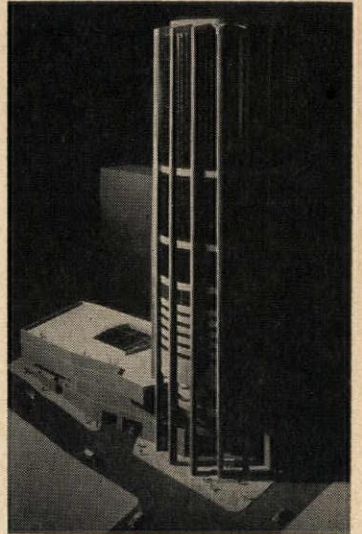
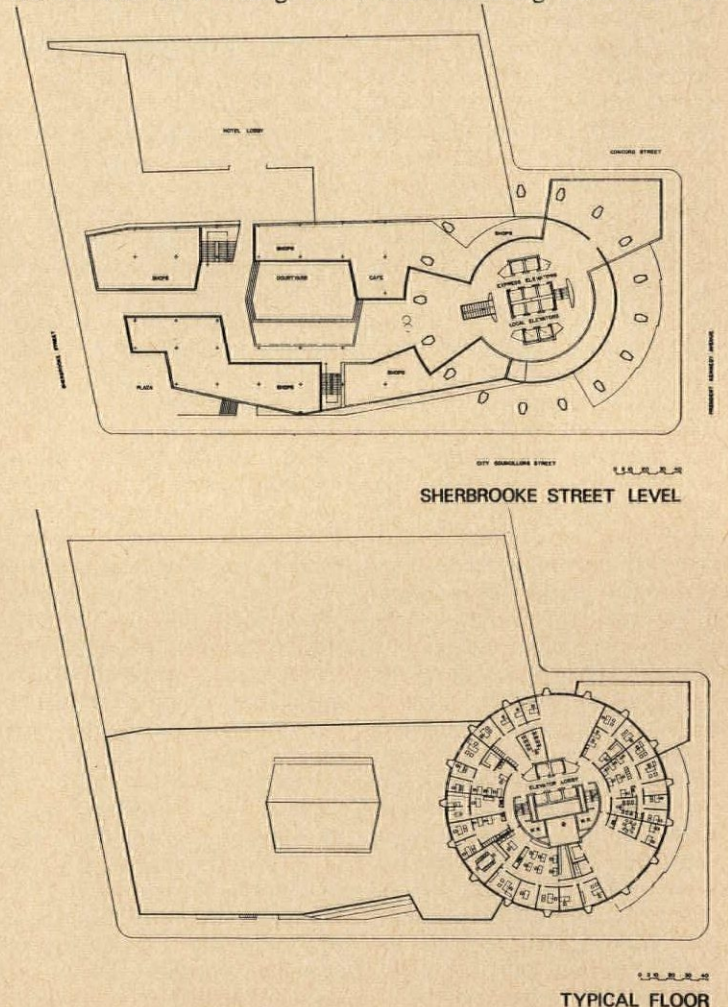


Photo: Panda Associates

row site, maintaining a view and remaining in scale with



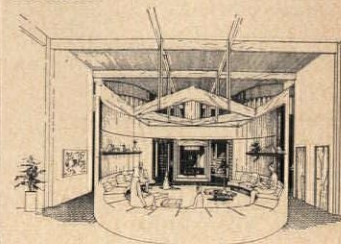
adjacent buildings. Instead of rising from an articulated base, the tower rises directly from street level, and the three-story base flows into and around it. This way, the disparity in shapes (the base is angular) is not emphasized, and the forms flow together naturally and even gracefully. Activities in the base, which will include a small theater, restaurants, coffee houses, boutiques and stores, will center around an

open court (to be covered in the winter). Sixteen exterior concrete columns support the tower; these are banded together and braced by concrete bands, the first of which occurs 80' from the ground and which occur with decreasing regularity toward the top of the structure. To be constructed at an estimated cost of \$20 million, the tower will have a total floor area of 750,000 sq ft.

is supposed to fortify body potential. Whether or not Fleischman's structures do this is probably a personal matter, but whatever their purpose, his castles seem semantic exercises as much as architectural ones.

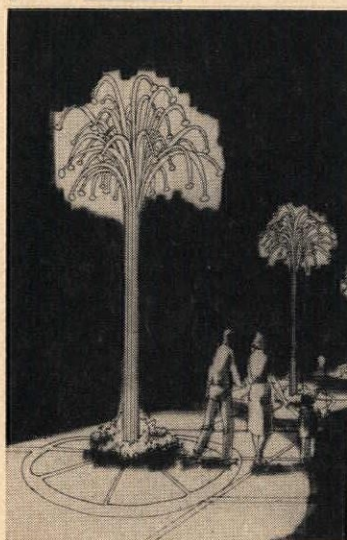
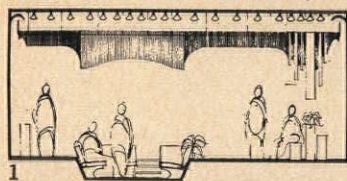
In Fleischman's plan, for instance, the living room becomes the "outer living chamber" (the keep?), the study is transformed into the "inner living chamber," hallways become "circulation galleries," and the laundry room becomes the "activities chamber" (the inner close). In a final burst

of defiance, Fleischman turned the fireplace into the "fire space," an open area in the center of his castle, which looks as if it gives fire the freedom to burn down his creation from any of four directions.



Yale Lucite Competition

NEW HAVEN, CONN. A recent student problem in Yale's Department of Architecture pro-



duced interesting architectural uses of Du Pont's "Lucite" acrylic resin (the competition was sponsored by Du Pont). First prize was won by third-year student Leonard M. Todd,

who designed an interior lighting installation (1) employing the "light piping" qualities of Lucite. Rods of the material would be hung in geometric patterns in a suspended ceiling, below floodlamps. Light from the lamps would be conducted through the rods and diffused through their lower ends. Sculptural forms and varying areas of intensity can be achieved by hanging rods at different heights.

The light-conducting properties of Lucite were also called into play by second-prize winner Pamela Heyne, a second-year student, who designed outdoor lighting devices consisting of vertical groups of Lucite rods over a sunken floodlight (2). The light would be conducted to larger, round elements at the ends of the rods, and the whole "tree" would emit a pleasant glow. The light source would be concealed by planting.

Third prize (not shown) was won by first-year student David B. Ryan for his design of a molded bay window of Lucite.

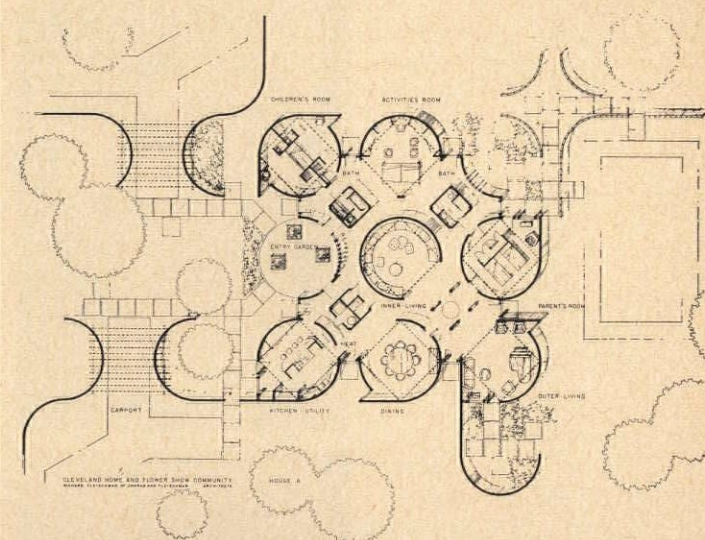
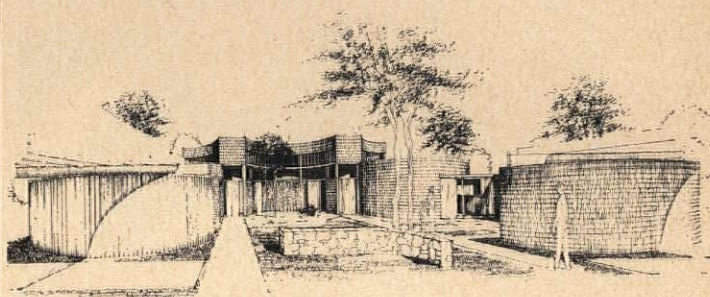
Du Pont stated that the three designs, "although not yet attempted commercially... could be made with components now available." Judges were Yale design critics Paul Mitarachi, King-lui-Wu, and Charles Brewer.

A Funny Thing Happened on the Way to the Castle

CLEVELAND, OHIO "A man's home is his castle," according to Sir Thomas Coke, an 18th-Century clergyman. His equating of the two words was only figuratively intended, and by it he probably meant that in his home a man should be lord of the manor. Never mind. In every century there are those who want homes to be real castles. Some build their own in New Canaan, Conn.; others

buy them in Spain.

On display last month at the Cleveland Home and Flower Show were two home-castles, ("a cluster community"), designed by Richard Fleischman of Conrad & Fleischman. What the architect wanted to do is propose "down-to-earth" castles in which a man can "fortify the security and warmth of his personal life," much, presumably, as an orgone box



Richmond Rumble



RICHMOND, VA. The staid old city of Richmond, Virginia, was the scene of one of architecture's latest "rumbles" recently, when sides were taken on the design quality of a proposed new City Hall by the local firm of Ballou & Justice. Among those alarmed by the possibility of this design actu-

ally being built were James J. Kilpatrick, editor of the *Richmond News Leader*, and Marie-Louise Pinckney, architectural critic for the newspaper and a member of the staff of the Virginia Museum of Fine Arts. They and other disturbed Richmondites garnered the opinions of a number of architectural critics and writers for presentation to the City Council on March 8 at a meeting where the council was to vote whether or not to accept bids for construction using the present design. They won a delay until April 12, and now plan a campaign for redesign in the paper, petition signing, picketing, and possibly a sit-down in public places. Mr. Kilpatrick writes P/A that

"Now some tempers are burning, and we have a fine raging controversy going on." It is good to hear of a citizenry aroused about architectural matters; too often they take what is dealt out to them without a murmur. We hope that the awareness of the people of Richmond will give the architects inspiration in improving their designs for the City Hall.

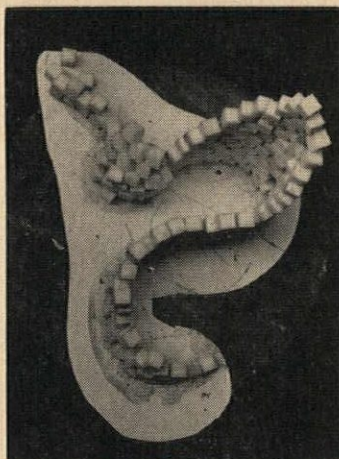
What Hath Man Wrought?

ASPEN, COLO. The 20th Century will probably not be remembered as the age of science, nor, like an earlier one, as the age of reason. It will be thought of as the age of technology. In it, man mastered heavier-than-air flight; he learned to flash electronic pictures without wires across oceans. And before the century is out, he will probably have flown through space to other planets. Inevitably, with these achievements has come a change in the way man perceives the world he lives in. These changes, or "the end of the world as we know it," will be discussed at the International Design Conference in Aspen, June 20-25. Architect-designer George Nelson, who, as program chairman, is lining up speakers, is choosing them on the basis of what they can contribute to an understanding of "the new world; that extraordinary pile-up of changes in scale, speed, technique, conduct, and motivation." Scheduled to speak so far are: Jan C. Rowan, architect and Editor of *P/A*; George Candilis, French architect, designer of Languedoc; Dr. Jacob Bronowski, an associate in the Salk Institute and author of *The Western Intellectual Tradition* and *The Common Sense of Science*; Emile de Antonio, producer of the film on the Army-McCarthy hearings, "Point of Order"; Arthur Drexler, director of architecture and design at the Museum of Modern Art; David Finn, chairman of the board of Ruder & Finn, Inc., public relations agency; The Rev. William Lynch, S.J., author of *The Image Industries*, an exploration of the influence of Hollywood and television; and Lawrence Alloway, curator of the Solomon R. Guggenheim Museum. Pre-registration fee for the Aspen conference is \$75. After

June 1, the fee is \$85. Accredited students may register for \$10. Mailing address: International Design Conference, Box 664, Aspen, Colo.

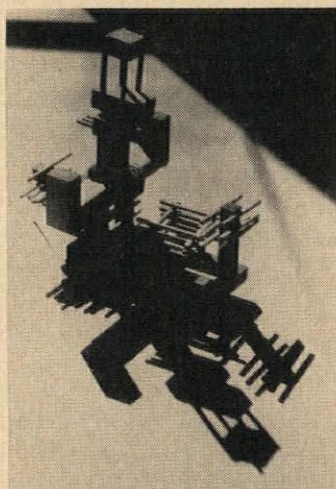
Increasing Awareness

BAYVILLE, N.Y. The Fiedel School in this Long Island town is a private school of "summer-kultur" for about 200 middle- and upper-middle-income students. The school program is basically permissive, and not stringently programmed with "musts." The students do indicate a major



interest in the courses, and can take others as options. Included in the curriculum are music, dance, ceramics, science, drama, jewelry-making, photography, and architecture. For the past two summers, the architecture and photography courses have been given by David Hirsch, frequent architectural photographer for *P/A* and architectural student at Cooper Union. He sees his goal, particularly in architecture, as "increasing the aware-

ness of the kids . . .," of approaching building design not from the plan (practical) but in terms of light, space, and form (realization). Working in the simple environment of a suburban, residential overhead-door garage ("That gave a sense of indoor-outdoor right off"), Hirsch and two assistants created special effects to introduce his young charges (7-14 years) to differences in space and dimension. Rounds from cedar fence posts were hung at varying levels below the fluorescent lights of the ceiling to add another dimension to overhead space. A light-and-shadow environment was created by hanging 14 rolls of toilet tissue in 8-sq-ft areas and playing lights over it while the children wandered through this full-size maze. "They were slightly apprehensive at first, then anxious to



Photos: David Hirsch

experience this full-scale space involvement again." Afterwards, all the lights were turned on to reveal the paper hangings as the nonmysterious objects they were.

In "direct creation," the children were given simple materials—clay, glue, toothpicks, sugar cubes, paper, string—and asked to fashion structures or forms for various purposes:

protection (a wall), enclosure (a shelter for a stone), pure form (toothpick constructions), or actual habitations (a living maze for two mice). These progressed from simplest problems and materials for the smaller children to the more complex for 13- and 14-year-olds, but many of the tiny structures turned out to be quite sophisticated. In fact, the older children frequently needed more "loosening up" than the younger ones (the Bernard Rudofsky syndrome, no doubt). "Awareness must start at this age (7)," says Hirsch, "and should go past the old 'building block' type approach."

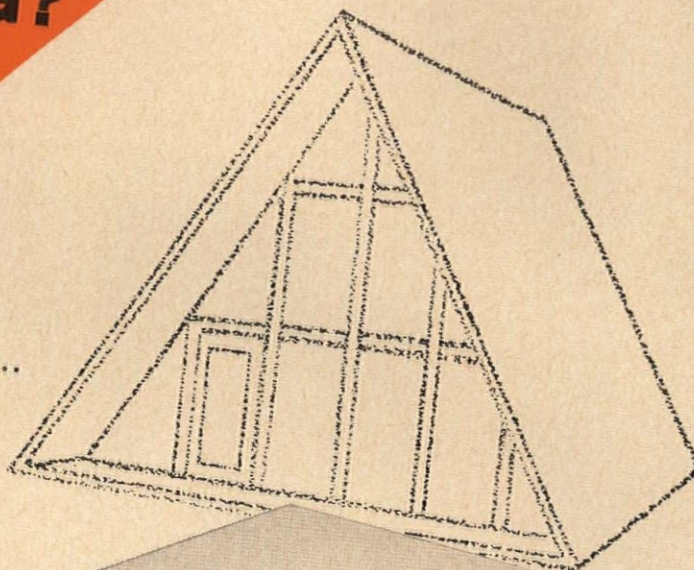
Heartened by the success at Fiedel School, he has since had many discussions with others about trying to establish a new kind of pedagogy, using the teacher as guide to awareness rather than as a mere dispenser of knowledge. All kinds of disciplines would be involved here, and perhaps the actual design of the classroom and its accoutrements would be part of the program. A committee has been formed that includes Hirsch, a graphic artist from Uruguay, a painter from the Fiedel School, a Cornell graduate working in the office of Edward L. Barnes, and, hopefully, a designer and manufacturer of games. "Right now we are still working on philosophy," Hirsch writes, "but soon enough we will have to write it up and look around for sponsors."

Voluminous Reynolds Lady

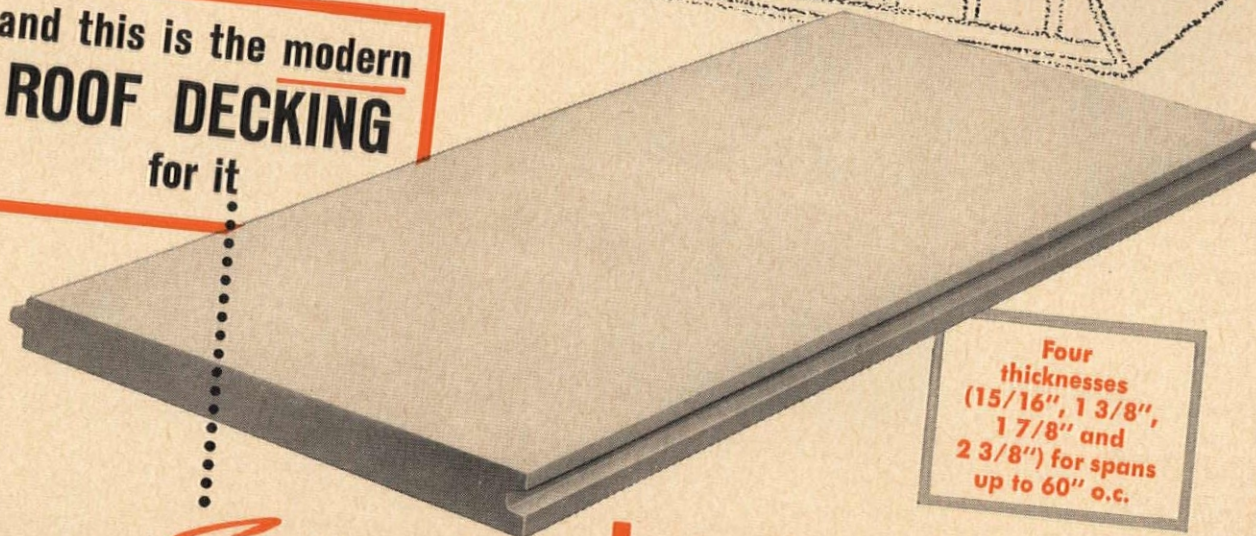
RICHMOND, VA. The winner of this year's R. S. Reynolds Memorial Award (conferred annually on an architect selected by an AIA jury) will be presented a 23" aluminum sculpture called "Mediterranean Woman." Sculptured by Elbert Weinberg, winner of a *P/A* Design Awards Citation in 1954, it was conceived as the first of a series on the same subject. "Studies for the series were begun at least three years ago," Weinberg said. "At that time, I was searching for more voluminous forms than I had heretofore used. This 1964 version attempts to interpret the high spirit of the Latin woman—large-formed and vig-

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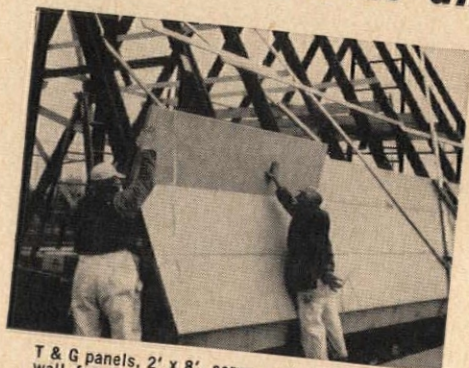
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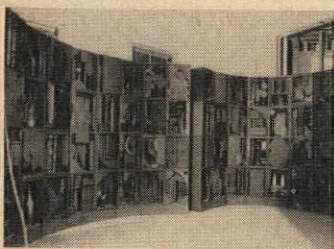
April 1965

P/A News Report 69



orous, yet full of grace. It has been strongly modeled in contrasting planes and undercutting to create a sharp chiaroscuro, essential, I think, to the color and feel of aluminum."

Architectonic Assemblages



NEW YORK, N.Y. Louise Nevelson does what can truly be called architectural sculptures. She takes fragments of wood—such as balusters and newel posts and parts from musical instruments—and arranges them in wooden boxes, then stacks these boxes until her works sometimes literally fill a room. Her latest exhibit, however, held this winter at Manhattan's Pace Gallery, contained some smaller pieces, only a foot or so high. To her credit, they seemed almost as prepossessing as her larger work.

Loch Ness Coppers a Plea

MIAMI, FLA. Shopping center sculpture has for years taken the forms of animals that appeal to children as toys. ("Look at the bear, Mommy.") A kindly sea monster is the shape sculpted by Peter Nicholson for the air-conditioned Mall of the Hollywood Shopping Cen-

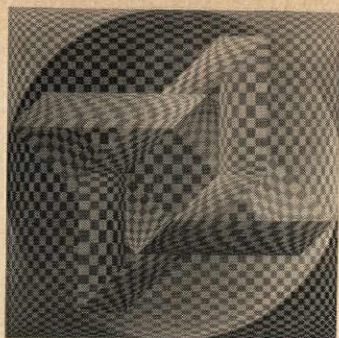


ter in Miami. Repoussé shaping of the copper was time consuming in working on the 25' x 10½' monster, so Nicholson used an oxyacetylene torch for some of the texturing. Nicholson is here shown grooming his creation.

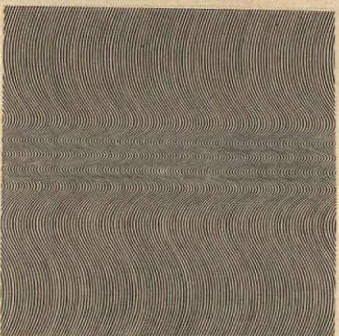
Op Art Moves Uptown

NEW YORK, N.Y. Op art (optical art) in itself is nothing new. At the least, it goes back to the 1920's when men such as Albers and Mondrian were experimenting with lines and areas of flat color. It may even go back to the French impressionists and beyond. What is new about op art is that it is being recognized in a representative exhibit—"The Responsive Eye"—at the Museum of Modern Art. Gathered there through April 25 are 120 paintings and constructions by 99 artists from 15 countries.

Op art is calculated to give the viewer a highly personal experience, based on his visual



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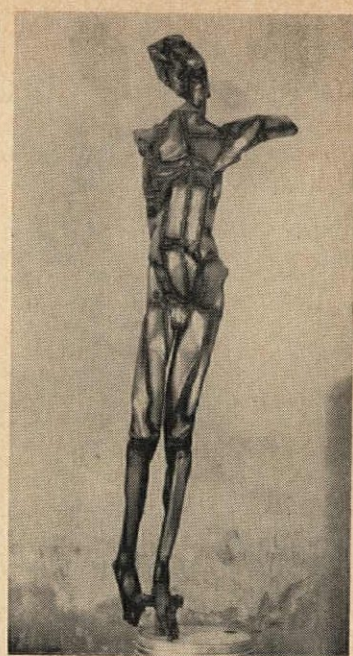
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reaction to the lines, bands, patterns, and flat areas of color of the op art composition. Some op art is painted on canvas; some is built with pieces of wood, metal or glass. Part of the effect depends on optical illusion (after-images, illusory movement, and changing form); part on contrast of color. Some of it makes use of mirrors, in much the same way as men do who saw women in half in circuses. Some is three-dimensional. And in some the viewer must be a participant: what he sees, and indeed what the art is, depends on how he moves in front of it, for as he moves it changes. The response to all this may be physical (dizziness), or emotional (joy, disgust), but never purely rational.

Although much op art involves color, the two examples shown here are both executed as well as reproduced in black and white: (1) "Equivocation," by Benjamin Frazier Cunningham, and (2) "Current," by Bridget Riley. After New York, "The Responsive Eye" will appear in St. Louis, May 20 to June 20; in Seattle, July 15 to August 23; in Pasadena, Sept. 25 to Nov. 7; and in Baltimore, Dec. 14 to Jan. 23.

When the Sculptor Bares His Steel

GUANAJUATO, MEXICO "There's nothing much to do in Guanajuato," reports one recent vis-



itor. But Roy Zotter found something to fill his time in that old Colonial city. As part of the requirements for his master's thesis at the Institute Allende in San Miguel de Allende, he completed this 12' stainless-steel sculpture. Called "Talisman," it was welded with an oxyacetylene torch. The Stainless Steel News Bureau believes that Zotter is one of the few sculptors now working with stainless steel in heroic-sized figures. He probably is.

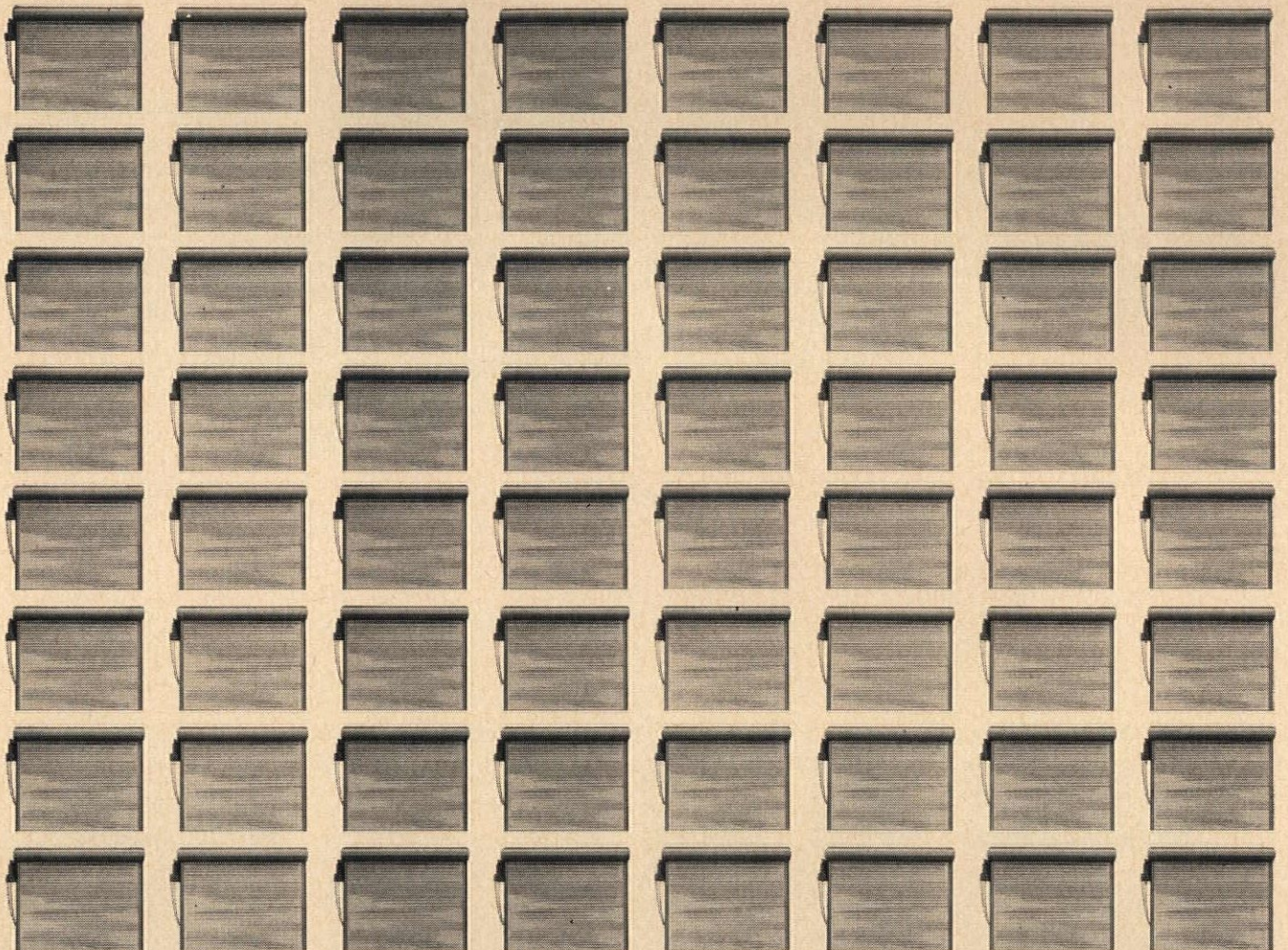
Gallo Makes Sculpture With Loving Care

NEW YORK, N.Y. Frank Gallo, a Chicago sculptor, one of



whose works ("Girl in Sling Chair") is now in the permanent collection of the Museum of Modern Art, works in polyester resin reinforced with glass fiber. Gallo feels the material gives him greater freedom of expression than traditional materials. He adds, "My figures resemble marble or ivory, but

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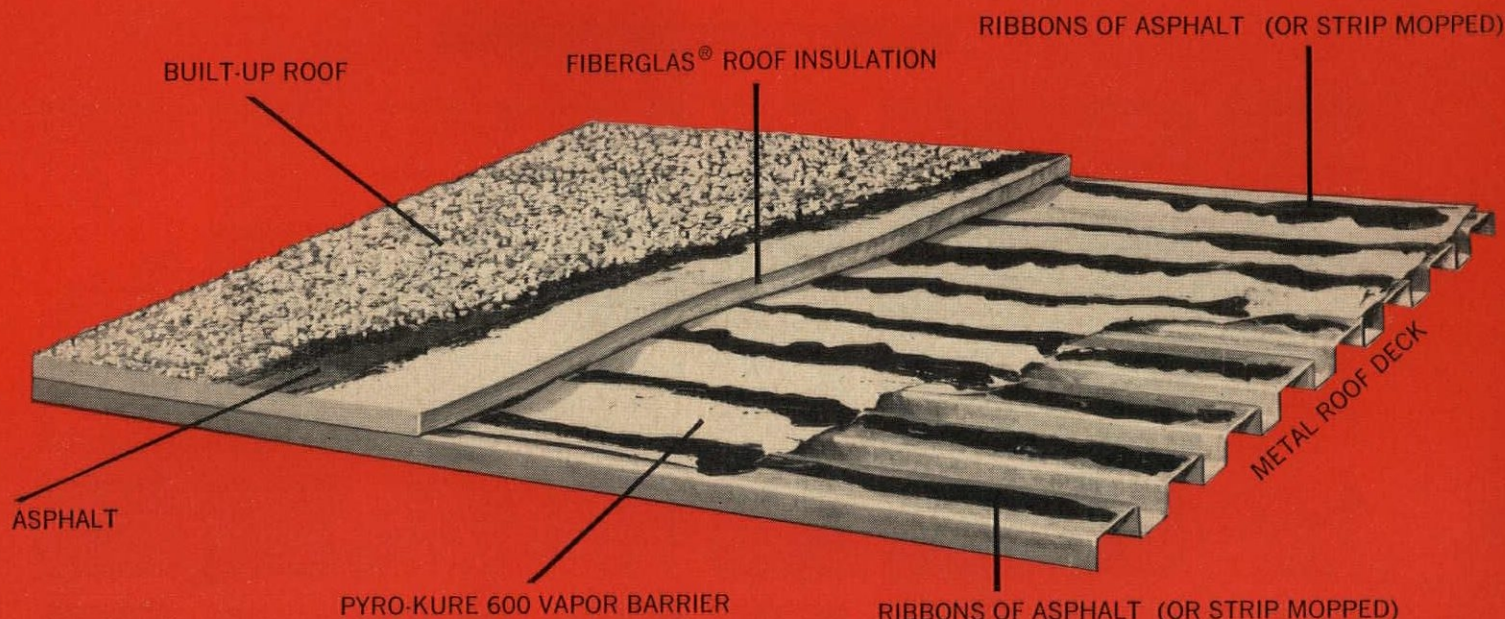
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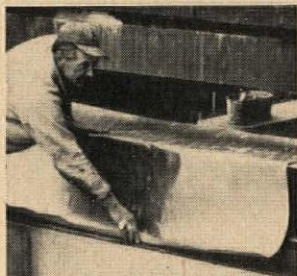
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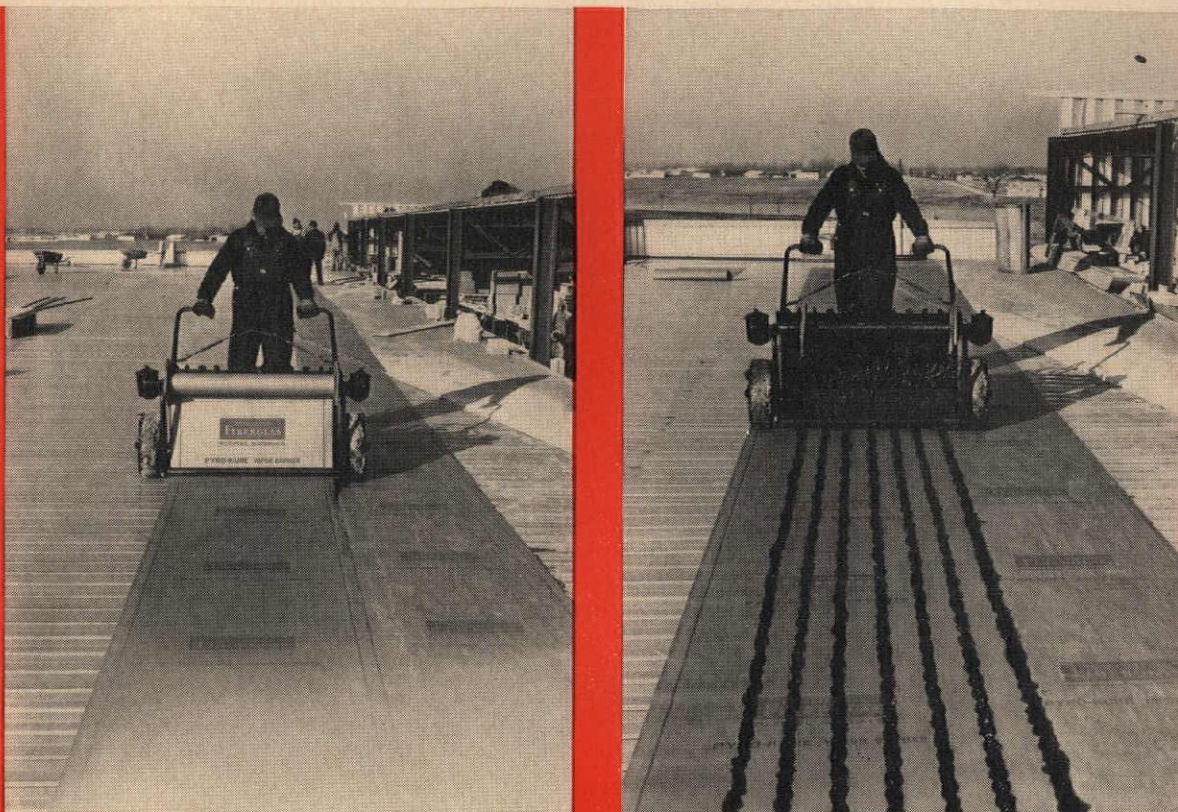
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are considerably lighter and have a warmer, more lifelike tone."

Stevens to Head Arts Council

WASHINGTON, D.C. Almost six months after signing the National Arts Council bill into law (see p. 98, OCTOBER 1964 P/A), President Johnson announced appointments to the Council. Roger Stevens, who has been the President's special advisor on the arts, will head the purely advisory group. Among others on the 25-man council are architects Minoru Yamasaki and William Pereira, and Dr. Albert Bush-Brown, president of the Rhode Island School of Design. Although the council is not authorized to appropriate funds to support the arts, its establishment marks the first time in U.S. history that a bill to encourage the arts has become law.

New Plant for Sargent

NEW HAVEN, CONN. Sargent & Company, hardware manufacturers of New Haven, Connecticut, on its hundredth anniversary has opened a new \$4 million plant for the Architectural and Residential Hardware Divisions of the company. Architect is Douglas Orr of New Haven.

Humanistic Dormitories

GAMBIER, OHIO Vincent G. Kling of Philadelphia has designed two new dormitories (one of which is seen here) for upper classmen at Kenyon College. Construction is expected to begin by March 1, with occupancy scheduled for early 1966. Each dormitory will house 56 students in L-shaped buildings; the designs attempt to capture what Kling calls "Kenyon's traditional brand of humanism—emphasis on growth in an atmosphere that encourages the individual while recognizing the need for interdependence and common purpose." Individuality is emphasized by alternating the arrangement of rooms—first one with its long side to the outside, then one with its short side out. In addition, second-floor rooms will have pitched ceilings. Where the short room

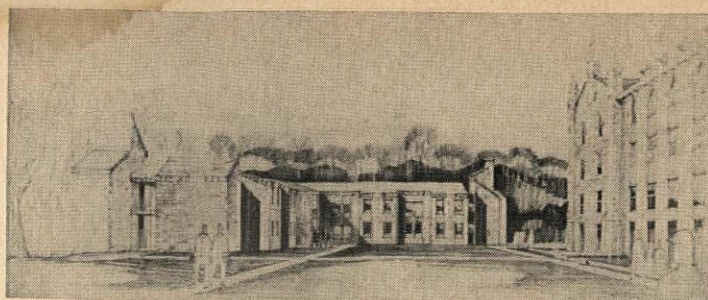


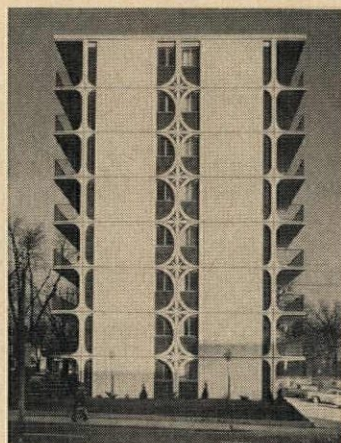
Photo: Lawrence S. Williams, Inc.

sides face out, the building walls are extended slightly to accommodate them, breaking up what would otherwise be a long, flat surface and lending the façade highlights and shadows.

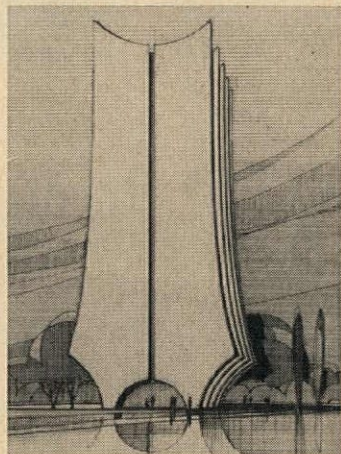
A two-story, glass-enclosed lounge is placed at the juncture of the two arms of the L. Cost is expected to be about \$800,000, including furnishings.

Sensualism Strikes Back

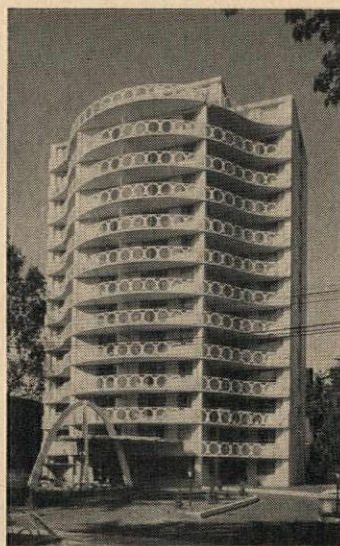
TORONTO, CANADA The "New Sensualism," dormant in the past few years except for some of Yamasaki's work and various West Coast projects, has bloomed again with a vengeance in Toronto. From a sheaf of projects both completed and in design stages sent us by architect Uno Prii of that Canadian metropolis, we show you (1) an apartment building of white glazed brick sporting a polkadot balcony design in sheet steel; (2) another apartment where daisies do tell, here



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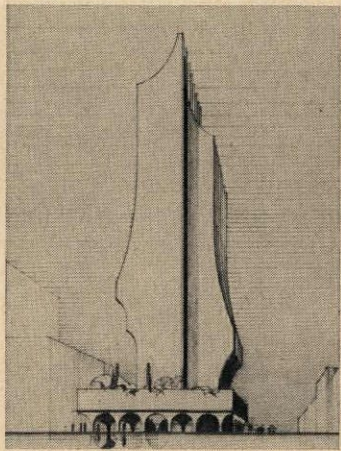
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Photos: John McNeil

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in precast concrete; and (3,4) two apartment projects, the first a concrete shear-wall design to be initial unit in a larger plan, the second planned for downtown Toronto and to contain hotel facilities as well. (The latter recalling Robert Schmerz's song about "The Queen Anne front and the Mary Ann behind.") Architect Prii writes, "My designs, which I call sculptural in character have



4

received considerable recognition in local papers."

Man of Many Parts

ATHENS, GREECE Enveloping the architectural scene in Athens is Anthony C. Kitsikis, an architect himself and founder and publisher of the Greek-English magazine *Architectoniki*. In addition, he runs a technical library and bookstore, the Athens Building Centre, the Architectoniki Exhibition Hall, and the Architectoniki Club. The latter can be of service to U.S. architects visiting Athens by providing a ready source of information on Grecian architectural matters as well as a convivial environment in which to meet Mr. Kitsikis and other Greek colleagues. The proprietor says that the aim of all his activities is to present "Greece to the world and the world to Greece." Should you want more information, write him at 10 Panepistimiou & 9a Valaoritou, Athens 134, Greece.

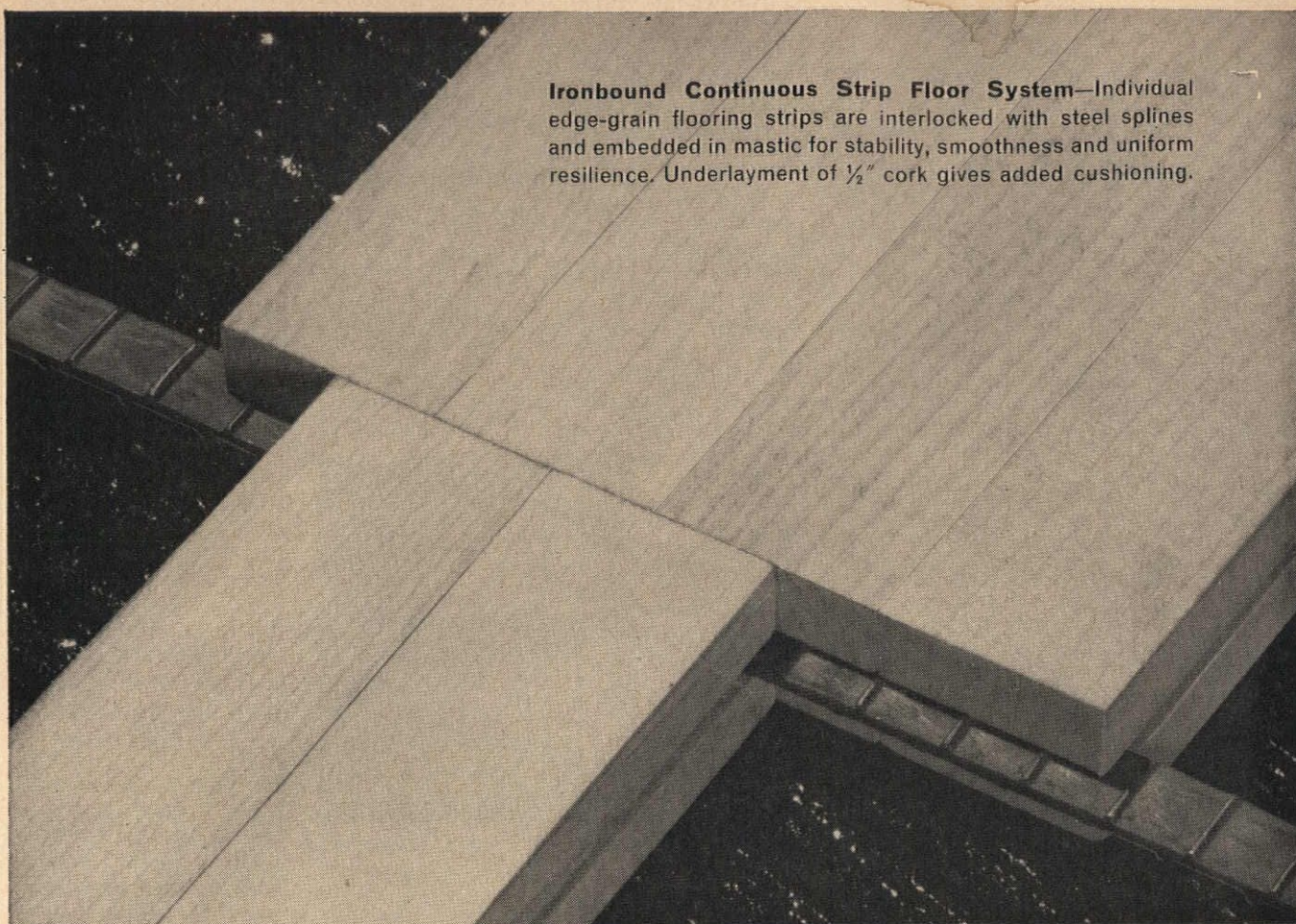
Eavesdroppings

A quote from new British Foreign Secretary Michael Stewart on racketeering landlords, published in *The New York Times*, can, we think, be used with equal effect when applied to many speculative real estate "developers" who mar our cities with their quick-return monstrosities: "Surely we know, or at our peril forget, that the individual who pursues and the law that permits those barren and perverted activities which enrich those who pursue them without adding a jot to the real wealth of the community, and without regard for one's duty to one's neighbor, twist human society from its proper shape into that horrible parody which Dante described—the society without faith, without law, without happiness."

In a CBS-TV network presentation, "An Essay on Bridges," Andrew A. Rooney described New York harbor's Verrazano Narrows Bridge: "Man has made a sewer of the river and spanned it with a poem."

"Who did God make the world for," I asked, "if not for humans?" The old man spoke more sharply, "For building speculators and generals, any fool knows that." Len Deighton, "Funeral in Berlin."

"City planning is too often an afterthought; in other words it



Ironbound Continuous Strip Floor System—Individual edge-grain flooring strips are interlocked with steel splines and embedded in mastic for stability, smoothness and uniform resilience. Underlayment of $\frac{1}{2}$ " cork gives added cushioning.

Robbins ***Ironbound***® Northern Maple Floor guarantees resilience, stability, low-cost upkeep



Cleburne County Gymnasium, Heflin, Ala.
Architects: Chas. H. McCauley and Assoc., Birmingham, Ala.
Installer: E. P. Cuthrell Flooring Co., Birmingham, Ala.

In gymnasiums, auditoriums and many other areas, the Robbins IRONBOUND floor system gives maximum satisfaction. Installation of MFMA Northern Hard Maple edge-grain flooring by this superior method (see photo above) is made and guaranteed by experienced, franchised applicators, and backed by Robbins.

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is no more than city patching. It is not the work of a creator, but of a surgeon called in too late to operate on a dying carcass." *Clarence S. Stein, "Toward New Towns for America" (1951).*

"Today most modern apartment houses are constructed under the label of 'luxury living,' but they assure neither the right of privacy nor the quiet enjoyment for the thousands and thousands who seek relief from the staccato of the business world." *Harold Birns, Commissioner of Buildings, City of New York, speaking at Board of Governors, New York Building Congress Luncheon.*

Speaking to a group of architectural students this winter, Secretary of the Interior Stewart Udall challenged the coming generation of architects to be "much more than architects. . . . We need critics, challengers and in addition, a new generation of architects are needed who will be concerned with the total environment."

Calendar

The Alexander Calder Exhibition which closed at the Guggenheim on January 31 will be divided into two travelling shows to visit St. Louis, Milwaukee, Des Moines, Toronto, and finally Paris . . . Louis Kahn, William Conklin, and Dr. Paul Tillich will be the principal speakers at the National Conference on Church Architecture to be held at the Pick Congress Hotel, Chicago, Ill., from April 27-29 . . . April 30 and May 1 are the dates of the 1965 Urban Design Conference to be held at the Harvard Graduate School of Design. . . . Indiana University will host the annual Conference on Theater Architecture from April 30-May 2 sponsored by the Institute for Theater Technology. C. Ray Smith, P/A Associate Editor, is on the program committee. . . . The first National Brick Bearing Wall Conference will take place May 27-28 in Pittsburgh. Burton H. Holmes, Senior Editor of P/A, will be attending as moderator . . . The Northeastern Area Visual Communications Congress, VCC, will gather June 19-21 at the War Memorial Auditorium, Boston, Mass. Those who wish to attend must register at Headquarters, VCC, 18465 James Couzens Highway, Detroit,

Mich. . . . A Plastics in Architecture special summer program will be held at M.I.T. in cooperation with the Plastics in Society of the Construction Council of the Plastics Industry, Inc., from June 21-June 25. Inquiries should be sent to Director of Summer Session, Room E19-356, M.I.T., Cambridge, Mass. 02139 . . . An unusual exposition has been organized for Charleroi, Belgium, to begin June 26. It will assemble all unpublished developments of the glass world of interest and service to many branches of industry. The theme will be "Tomorrow's Glass" . . . The annual meeting of the National Society of Professional Engineers will be held June 30-July 3 in the Western Skies Motor Hotel, Albuquerque, N.M. . . . The 11th annual Architecture and Gardens Tour of Japan under the directorship of Kenneth M. Nishimoto will leave from Los Angeles and San Francisco Oct. 7. Included will be a special extension visit to Hong Kong. Early reservation is urged, since the membership will be limited to 25. The brochure may be obtained from Kenneth Nishimoto, 263 South Los Robles Ave., Pasadena, Calif.

AIA Annual Awards

WASHINGTON, D.C. Conventions have long been prone to heralding and laureling, and the AIA convention—to be held June 14-18 in Washington, D.C.—is no different. At the convention, Leonardo Zeevaert, professor of soil mechanics and foundation engineering at the University of Mexico, will receive the Allied Professions Medal; Brazilian landscape designer and muralist, Roberto Burle-Marx, the Fine Arts Medal; Eliot Noyes, architect of New Canaan, Conn., the Industrial Arts Medal; Robert Damora, New York photographer and architect, the Architectural Photography Medal. The 1965 Citation of an Organization will go to the Architectural League of New York for "its long and distinguished record of achievements in the cause of art and architecture." Joseph Watterson, Editor of the AIA Journal, will be recipient of the Edward C. Kemper Award for significant contributions to the Institute and the architectural profession. The San Francisco firm of Wurster,

Bernardi & Emmons, Architects, will receive the annual Architectural Firm Award. The firm was cited for its "work which is simple, direct, and always modest." There will be no Gold Medal presentation this year.

Torre Velasca Florida Style

ORLANDO, FLA. Projected tower for the 16-story Citizens National Bank Building here looks somewhat—but not much—like Milan's Torre Velasca by



Belgiojoso, Peressutti & Rogers. It is actually by Chicago's A. Epstein & Sons. The tower, to be partially rented, partially occupied by the bank, will stand next to the remodeled, enlarged, existing bank building.

Competitions

Paul F. Damaz, chairman of the Gold Medal Committee of the Architectural League of New York, has called for submissions to the Gold Medal Competition and Exhibition. The competition is open to any practitioner of the allied arts, (architecture interior design, engineering, mural painting, sculpture, landscape architecture, craftsmanship, and industrial design). All submissions must include examples of at least three of the six building arts. Entries must be submitted by May 10. For further information contact: Daniel J. Howe, Jr., Publicity Chairman, The Architectural League of New York, 115 East 40th St., New York, N.Y. . . . May 13 is the deadline for submission in the architectural exhibition of general hospitals and service facilities at the annual meeting of the Middle Atlantic Hospital Assembly. Entry forms may be obtained from Jack W. Owen, Convention Manager,

Middle Atlantic Hospital Assembly, Highway 206, Princeton, N.J. . . . The National Institute for Architectural Education is running a special competition open to all junior, senior, graduate, postgraduate students and to draftsmen and designers under 30. The title of the problem is "A Gas Station." Inquiries may be directed to the NIAE, 115 East 40th St., New York 16, N.Y.

Schools

The International Summer Academy of Fine Arts in Salzburg, Austria, has announced the dates for J. B. Bakema's course on Urban Architecture: July 28-August 28. Application must be made by June 30 and sent to The Secretary's Office, International Summer Academy of Fine Arts, Salzburg 1, Postfach 18, Austria . . . Beginning next fall, Iowa State University will replace the Department of Architecture and Architectural Engineering with a comparable program in architecture. The new curriculum consists of a basic program of studies required for all students, plus elective fields of concentration in design, construction, delineation and aesthetics, planning, and structures . . . Ball State Teachers College, Muncie, Ind., has announced a four-year undergraduate program in Regional and Urban Planning to start in the fall semester. The new program will be the only one in Indiana leading to an undergraduate degree.

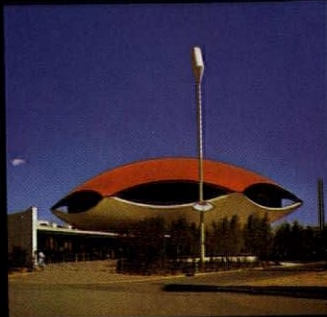
Personalities

R. LEON EDGAR of Sherman Oaks, Calif., and OREN E. THOMAS, Jr., of Pennsauken, N. J., both architects, have assumed duties of district governors of Rotary International . . . The James Stewardson Travelling Fellowship has been awarded to WILLIAM J. BLACK, a staff member of Carson, Lundin & Shaw of New York . . . Top award in the 1965 Design Awards for Excellence went to Dimensional Plastics of Hialeah, Fla., for their multicolored honeycomb panel. The award is given annually by the Society of the Plastics Industry . . . Pasadena architect DONALD E. NEPTUNE will replace ULYSSES FLOYD RIBLE of Los Angeles as president of

**There are two things all these buildings have in common.
The World's Fair is one.
Turn the page and discover the other!**



Better Living Pavilion



Travelers Insurance Umbrella



Kodak Pavilion



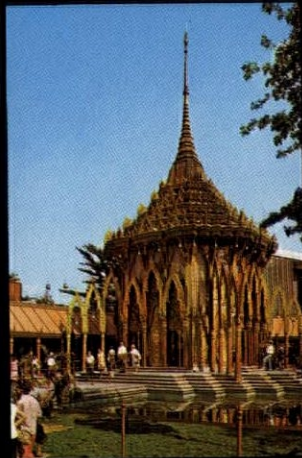
Bell Systems Pavilion



Ford Pavilion



Pepsi-Cola Pavilion



Thailand Pavilion



Formica Exhibit



Swiss Pavilion



First National City Bank

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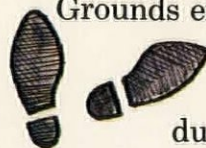
All of the handsome buildings you saw on the over-

leaf are much handsomer, and much more highly practical, because of wall, roof or floor coatings by Desco. The imaginative use of free form design in many of them made Desco Neolon the ideal specification for roofing. And you can see Neolon at work at The Fair coating the magnificent Travelers Insurance Umbrella as well as at the Kodak, Swiss, Thai and Pepsi-Cola



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Watertight Desco Hylon coats the walls at the Medo Pavilion and rugged Desco Armtex is at work on the floors of the Bell Systems Pavilion. In addition to all this, comfort stations throughout the Fair Grounds enjoy the luxury and protection of



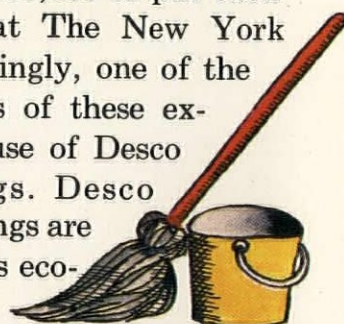
Desco Coatings on their walls.

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best feet forward at The New York World's Fair. Surprisingly, one of the most economical aspects of these expensive displays is the use of Desco



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the California Council, AIA . . . Clemson Architectural Foundation has elected T. H. BISSETT, who is a partner in the Columbia, S. C., firm of Lyles, Bissett, Carlisle and Wolff, to the presidency of the organization, succeeding RALPH H. MCPHERSON of Greenville . . . JOHN STETSON of Palm Beach, Fla., was elected chairman of the newly-established Building Construction Coordinating Committee. The Committee was formed at a recent meeting of the Associated General Contractors, the AIA, the Consulting Engineers Council, the Council of Mechanical Specialty Contracting Industries, the National Society of Professional Engineers, and the Producers' Council . . . The Research Council of the Great Cities Program for School Improvement is starting a research study to explore the problem of bringing older schools up to present-day standards. Heading the study will be BEN GRAVES of The Perkins & Will Partnership, Chicago, Ill. . . . PAUL ROGERS has been presented the Eminent Engineer Award by the Illinois Society of Professional Engineers . . . The Grand Central Art Galleries in New York will feature the watercolors of J. GORDON CARR, Architect, from March 30-April 10 . . . A. ALLAN BATES, chief of the Building Research Division of the National Bureau of Standards, has been elected president of the American Concrete Institute. Also honored by the Concrete Institute were: DOUGLAS MCHENRY of the Portland Cement Assoc.; FELIX CANDELA, Architect; WALTER H. PRICE of the American Cement Corp.; J. A. HANSON of the Portland Cement Assoc.; and JAMES B. LYTLE of Corbetta Construction Co. These men received awards at the Institute's annual convention for their contribution to the field of concrete construction. DR. FRANCO LEVI was at the same time named to honorary membership in the ACI . . . To receive honorary memberships in the AIA are: MELTON FERRIS, executive director of the California Council, AIA; JAMES R. PEIFER, executive director, Pennsylvania Society of Architects, AIA; FREDERICK GUTHEIM, president of The Washington Center for Metropolitan Studies; BRUNO BEARZI, art adviser and collaborator to the American Battle Monuments Commis-

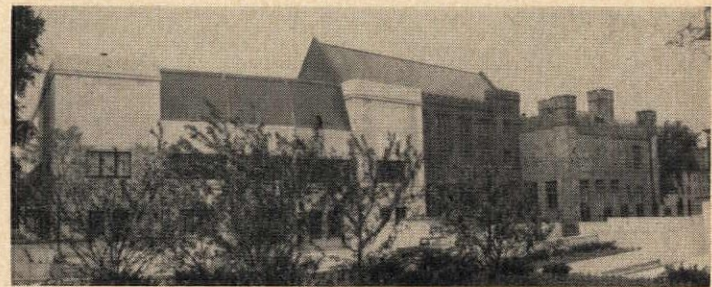
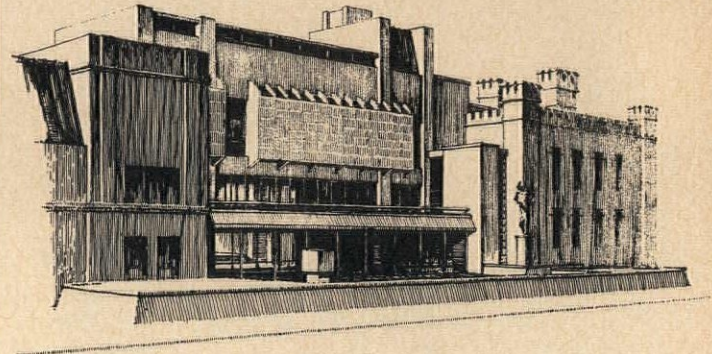
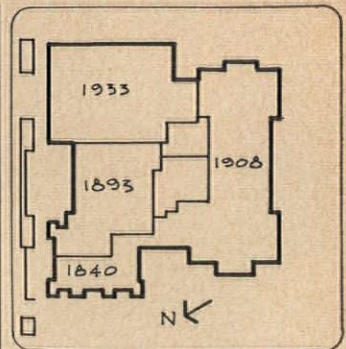
sion; AUGUST HECKSCHER, director of the Twentieth Century Fund and former White House consultant on the Arts; DEAN JOHN ELY BURCHARD of MIT . . . SAMUEL J. LEFRAK, New York builder, was designated one of the Ten Best Groomed Men of the year. The award is given annually by *The Men's Hairstylist and Barber's Journal* . . . DOUGLAS F. TREES, a student at Ohio State University, is winner of the 1965 fifth annual Reynolds Aluminum Prize for Architectural Students . . . ATTILA BURKA, a student at the University of Manitoba, has won the first prize in the American Concrete Institute competition. Judges in the design competition were: JOHN MERRILL, Jr., of Skidmore, Owings & Merrill, San Francisco, Calif.; HOLLY CORNELL of Cornell, Howland, Hays & Merryfield, Seattle, Wash.; DENIS BEATTY, of Raetz & Beatty San Francisco . . . DR. JOHN H. MUNDY, professor of history in the Graduate Faculties at Columbia University, will deliver the Mathews Lectures, to begin March 13. His topic will be "The Medieval Town" . . . Industrial designer HENRY DREYFUSS received the Ambassador Award for Achievement from the Royal College of Physicians in London, England . . . ALBERT RAINS has been appointed as special counsel to the new Division of Local Development Services of ACTION, Inc. Rains, former chairman of the House Subcommittee on Housing, will counsel the Division on "all aspects of our program related to housing" . . . HUGO LEIPZIGER-PEARCE, University of Texas professor of architecture and planning, has been named consultant to the Public Housing Administration on the design of multifamily housing and housing for the aged.

Erratum

Names of the following consultants on the Los Angeles Music Center were inadvertently omitted from P/A's report on the building (p. 46, JANUARY 1965 P/A): Ben Schlanger, seating and sight-lines; Jean Rosenthal, theater lighting; Stacy & Skinner, structural engineering; and Cornell, Bridgers & Troller, landscaping.

Homogenizing Architecture

HARTFORD, CONN. The Wadsworth Atheneum Art Museum in Hartford comprises four connected buildings, representing a hodgepodge of architectural vintages and styles: on the west is a granite Gothic wing built in 1842 by Town & Davis; on the north a red brick Tudor structure done in 1893 by J. C. Cady; to the south a marble Renaissance wing by B. W. Morris, 1910; and to the east



a marble contemporary building by Morris & O'Connor, 1933.

Under the guidance of architects Huntington, Darbee & Dollard, the building will be given a major exterior and interior face-lifting to lend it more architectural unity and to bring it in line with current fire regulations. Present plans call for complete rebuilding of the 1893 Tudor structure on the north. The other structures will be preserved with some minor alterations; and the interior will be completely remodeled, but will incorporate some of the original carved bookshelves, cases, and trim. What is now a lightwell, in the center of the

four structures, will become a sculpture court. Besides unifying the two wings that flank it, the new structure must conform with landscaping done by Sasaki, Walker & Associates. The architects have suggested an echo of the blocky towers of the 1840 wing in this design of large square supporting piers for the central structure; the tower's crenellations are picked up in the sunbreaks, which will protect skylights. Paired pilasters used as a decorative element in the 1933 wing become structural elements in the addition. The façade will be concrete and marble with gray glass windows set in bronze-colored aluminum frames.

WASHINGTON/FINANCIAL NEWS

BY E. E. HALMOS, JR.

Architects have a broad stake in the general re-examination of foreign policy that is now preoccupying the men on Cap-

itol Hill.

The reason is Congressional concern with the export of technical knowledge of all



This trim beauty





stops 'em cold

Steel vs. Steal . . . and the challenger lost. This is the door to a restaurant in one of New York's most successful chains—Chock Full O'Nuts. You'd never know that would-be burglars tried to jimmy it a few days before these pictures were taken. The door is stainless steel. The burglars didn't get through because of the toughness of this fine architectural metal. The minor damage was repaired the next

day without removing the door. Today it's as good as new.

The problem of good design and maximum safety has always been a challenge to owners and designers of entrances for commercial and monumental buildings. This restaurant found the practical answer in low-cost stainless steel doors and frames, manufactured by The Alumiline Corporation, Pawtucket, R. I.,

from stainless steel provided by Jones & Laughlin Steel Corporation.

If you have a design idea that involves stainless doors and entrances, contact The Alumiline Corporation. For further information concerning stainless steel, let us refer you to our Architectural Services.



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kinds: The State Department and the Administration have advanced the idea that American products and know-how may produce a chink in the ideological armor of Communist-dominated countries; many businessmen seem to favor this approach, with an eye on expanded business. But there's an equally strong belief that such exports won't really do any good—that Moscow will simply use all exports to any of their satellites for their own gains and to advance their own technological abilities.

What has brought the construction industry—and with it, architects and engineers—into the picture are a couple of related moves: a reported interpretation (by the State and Commerce Departments) of the existing Foreign Agents Registration Act that would require professionals to list themselves as “foreign agents” when they work abroad; and another interpretation (now being fought by contractors) that would force U.S. builders working abroad to obtain written guarantees that the products of the plants they build—as well as the plants themselves—won't be shipped to Communist countries.

The fight on registration is being spearheaded—as it was (with no success) last year—by the consulting engineering groups. Their vehicle is an attempt to amend existing law to provide a specific exemption for professionals. Despite presentations before the Senate's Foreign Relations Committee on a pending bill (S. 693), the committee didn't seem too eager to include such specific exemption language.

Data Bill

On the national level, one of the more important bills so far introduced that doesn't concern appropriations may be S. 949, which calls for establishment of “State Technical Services” headquarters, at an initial cost of about \$10 million.

Idea is a parallel to the very successful “extension service” of the Department of Agriculture—except that, in this case, extension agencies would disseminate scientific and engineering information for the use of local industry and individuals. Centers would be set up at college and university schools of engineering.

Key question, not clear in the bill: Who would decide what sort of information is to be disseminated?

Intergroup Activities

The AIA finally got most of what it wanted in the organization of industry coordination committees—but not without heavy grumbling by engineers and contractors, and not without some concessions.

What the AIA got was what it called “improvements in structure and a change in name” of the AIA-Engineers Conference Committee (now called the Architect-Engineers Liaison Committee); and establishment of a new “Building Construction Coordinating Committee.” The liaison group is to provide close interchange among top levels of three member groups: AIA, Consulting Engineers Council, and National Society of Professional Engineers. The BCCC will provide more general liaison among six organizations: AIA, CEC, NSPE, the Council of Mechanical Specialty Contracting Industries, the Producers' Council, and the Associated General Contractors, on problems of building construction.

But AIA had to make a number of concessions when engineers and contractors objected loudly to what they considered a take-it-or-leave-it attitude on AIA's part when it proposed the changes unilaterally; and a slighting of the other groups in management of the committees and in their professional capabilities.

Among the concessions: Dropping the name “AIA” from the liaison commission title, and equal representation for all members with two members each (previously, AIA had four representatives, the others two each); agreement to consider other members in the BCCC, after about a year's time, to recognize the influence of specifiers, landscape architects and the like.

A two-day series of conferences in Washington resulted in a surface appearance of calm and cooperation, but there were still unhappy rumblings from general contractors and others.

Air Revises

Federal Aviation Agency has revised its regulations (Part

77)—effective May 1—concerning structures that might adversely affect air navigation. The revision also consolidates FAA obstruction standards and streamlines procedures for determining the effect of proposed structures on air operations.

For example, the regulation requires that the FAA be notified of any proposed construction that would extend more than 200 ft above site ground level (previous regulations set the height limit at 150 ft), exceptions will be permitted when existing structures or terrain shield the new building, or when the proposed structure is in the congested area of a city “where it is evident beyond doubt” that the construction will not adversely affect air navigation.

Another note from FAA: A revised guide on design of heliports is now available, free of charge, under the title of “Heliport Design Guide.” For a copy write on your letterhead to FAA distribution section, HQ-438, Washington D.C. 20553.

Casting the First Stone

Vermont's Senator George D. Aiken succeeded in escalating a matter of home-state pride into a national issue by using the Senate floor to expound the virtues of granite and marble and inveigh against the use of architectural concrete in Government buildings.

Taking off from the troubles with concrete at the newly completed Stadium in the Capital (where reaction of curing agents with aluminized conduits has been blamed), Aiken then singled out Saarinen's prize-winning (though so far financially unsuccessful) Dulles airport in nearby Virginia as his horrible example.

He said that the three-year-old administration building at the airport—whose soaring columns and suspended roof have won many prizes and much comment for its design—was developing fine cracks in the distinctive pylons.

Aiken was careful not to say that the cracks were dangerous, but claimed they were “causing worry.” (Airport officials admitted the fine cracks, said they were a characteristic of concrete, posed no danger to appearance or safety of the structure).

With this as a starter, the

Vermont took off after the Washington Fine Arts Commission, which he said had now decided that all new Government buildings would be of concrete (he said “cement”)—not of “classic marble, limestone and granite . . .” He was joined in the protest by Georgia's Senator Talmadge (whose state also supplies building stone).

The Fine Arts Commission flatly denied any favoritism for “cement,” but said it approves building designs, not materials.

Financial

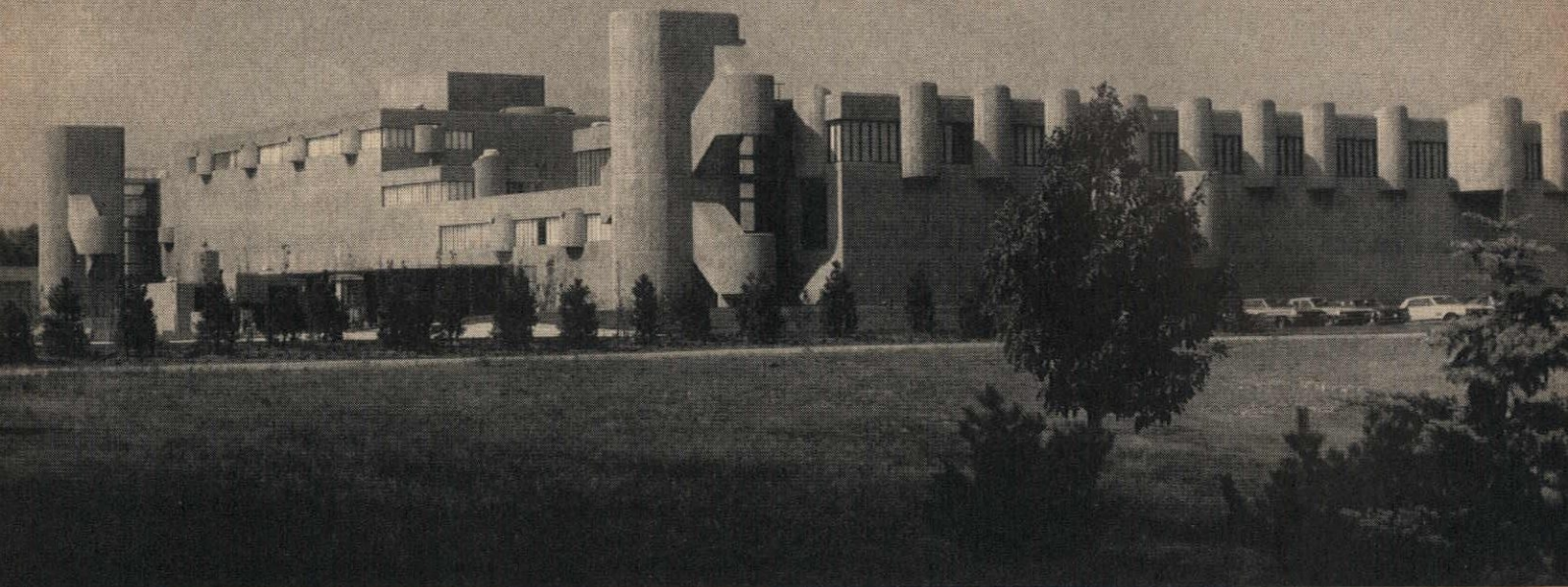
The new year seems to have started well—and about as predicted—for the construction industry. Census Bureau said that value of total new construction put in place in January was \$4.8 billion—up about 4 per cent over that a year ago.

However, most of the gain was accounted for by public construction and nonresidential buildings. Housing continued to look a little sick: In January, the number of privately owned units started was at a seasonally adjusted rate of 1.487 million units—down 7 per cent from December, and down 13 per cent from a year ago.

Recognizing the continuing interest in the state of housing's health, the Federal Housing Administration said it would henceforth make public its periodic market analyses of the field “as a public service.”

Construction costs were in an uncertain state, too, and will bear close watch. In the final quarter of 1964, for example, the Bureau of Public Roads' quarterly cost index jumped 1.4 per cent (after a 3 per cent rise in the third quarter) to push that indicator close to an all-time high. Biggest factor was cost of steel. But in the final month of 1964, the Public Health Service's treatment plant cost index inched very slightly downward—from 110.73 in November to 110.68 in January.

A further indicator of instability was FHA's monthly average secondary market price on new-home mortgages, which held at \$98.6 per \$100 in February, after a slight rise in January. It indicated a slight tightening of available money for construction loans.



ENDO PHARMACEUTICAL CENTER, Garden City, N. Y.; Architect: PAUL RUDOLPH, New Haven, Conn.; Structural Engineer: HENRY PFISTERER, New Haven, Conn.; General Contractor: WALTER KIDDE CONSTRUCTORS, INC., New York; Concrete Sub-contractor: CENTRAL CEMENT FINISHING CO., INC., New York; Ready-Mixed Concrete: COLONIAL SAND & STONE CO., INC., New York.

Rudolph's award-winning concrete "castle"

This remarkable new concrete structure in Garden City, N. Y. is the \$4-million administrative, research and production center of Endo Laboratories, Inc. Blending function and form in a creative environment both inside and out, it was named "Concrete Building of the Year" by New York's Concrete Industry Board.

Designed by architect Paul Rudolph, the fortress-like structure has turret projections on the outside which serve as skylit alcoves for offices and laboratories on the inside. Staircases and animal exercise runs are separate elements. Curved entrance ramps and win-

dowless facades add to the striking castle effect.

Vertically ribbed, exposed-aggregate concrete dominates 90,000 square feet of interior and exterior finish—a sparkling new surface texture for an age-old material. Close color control, strength, and durability of the concrete were essential to produce this unusual surface texture.

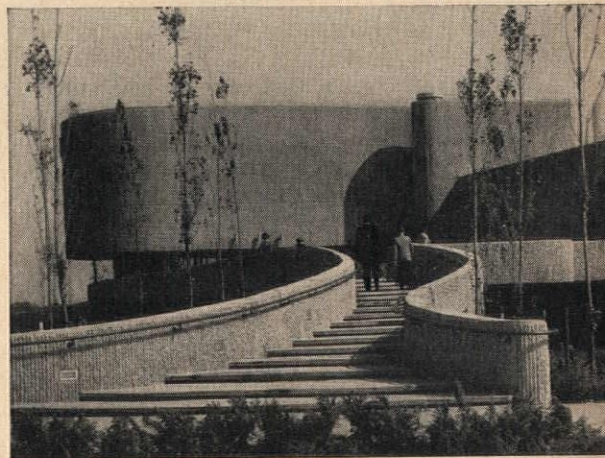
Lone Star Portland Cement was selected after careful research by the architect and builders, and was used exclusively throughout the project.

Corduoy-like texture was achieved by casting a stiff concrete mix in special forms built at the site. The 1½" fins were knocked off ½" to ⅔" by hand bush hammering, alternating left and right blows, to leave ridges of exposed aggregate. For uniform color, separate bin storage was provided for the Lone Star Portland Cement and selected aggregates.

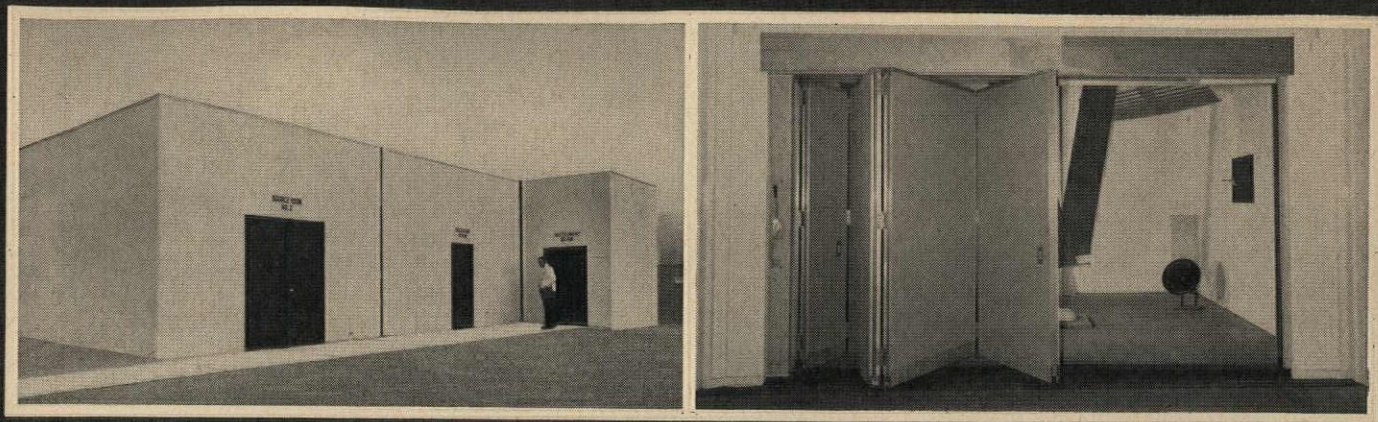


**LONE STAR
CEMENT
CORPORATION**

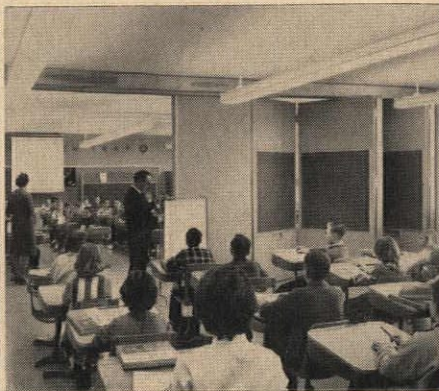
New York, New York 10017



We invested our dollars here...



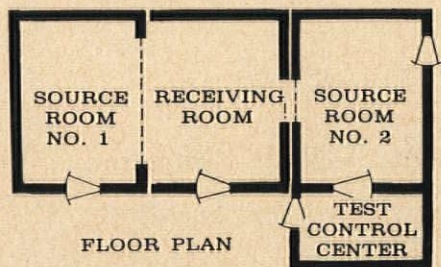
to protect dollars you invest here!



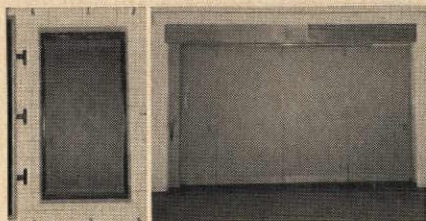
Typical installations of Richards-Wilcox Folding Partitions

New sound laboratory permits a continuous research program to improve sound retarding techniques

The photos, left, illustrate an important new Richards-Wilcox customer-service facility—a Sound Testing Laboratory constructed to meet ASTM requirements. It was built under the consulting guidance of the Riverbank Acoustical Laboratories of the Illinois Institute of Technology, Research Institute. After completion the laboratory was calibrated for sound tests by Bolt, Beranek and Newman Inc.



This floorplan illustrates how the laboratory is actually three individual buildings separated by insulating air spaces to eliminate sound transference from chamber to chamber. The major purpose of this modern up to date facility is to, by development-testing, improve the sound retarding qualities of the individual panels used in the construction of Folding Walls... and



the complete Folding Wall installed as it would be on-the-job to meet sound barrier requirements.

Another R-W First...

To our knowledge, this Sound Testing Laboratory is the only one ever built by a manufacturer of folding partitions to assure customer satisfaction in the sound retarding qualities of his product... and is one of only three test labs in the United States where tests of this magnitude can be conducted.

ASTM Test Standards...

Without exception, sound tests for product evaluation are conducted to conform with ASTM testing procedures. All sound tests for product certification will be conducted and certified by recognized independent testing organizations such as those previously mentioned.

Why a sound laboratory...

The constant availability of a test facility such as this enables R-W Engineers to conduct immediate, scientific tests on individual panels and prototypes of assembled walls to determine their true sound retarding qualities. In addition it provides a laboratory large enough so that an independent testing organization can move in and make tests for certification of complete R-W Folding Walls and their very important perimeter seals to evaluate the on-the-job sound retarding quality.

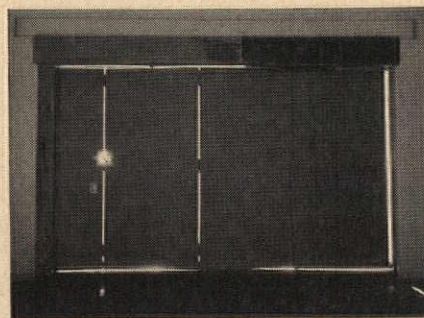
Sound Test evaluations permit the design and construction of R-W Folding Partitions that are custom-engineered to provide the sound retarding quality desired and compatible with the surrounding construction for each specific installation.

Documentary Film Available...

A full color, 10 minute documentary film showing how sound tests are conducted has been produced and is available for your viewing. Test sequences and sounds were filmed and recorded just as they were generated for the tests.

The short time required to view this film should prove to be of definite value to anyone involved in the specification and purchase of a Folding Partition or Movable Wall.

One very interesting sequence was filmed with the front or receiving chamber in complete darkness and the adjoining source chamber brightly lighted. As the mechanically actuated perimeter seals are released you can almost see as well as hear the sound coming through the resulting cracks.



This exciting sequence offers graphic evidence that over and above sound-retarding panels the complete Folding Wall must be equipped with a positive perimeter seal to effectively retard sound transmission.

We would appreciate the opportunity of showing you this film at your earliest convenience—just contact us indicating your interest. In addition, we would be happy to send you a copy of our latest Folding Partition Catalog for your file.

HUPP
CORPORATION

RICHARDS-WILCOX DIVISION
120 THIRD STREET • AURORA, ILLINOIS 60507

On Readers' Service Card, circle No. 472

Just off the press!

"THEATRICAL LIGHTING FOR QUARTZ"



Filled with revolutionary new lighting devices, specially developed by Kliegl Bros. to utilize the new line of quartz-iodine lamps, this new catalog lists, describes and offers not only unit specifications but suggested application and operating advantages, as well.

Another Kliegl First—no one in the industry has such a broad and thoroughly field-tested line of quartz lamp devices as Kliegl. With three full years of intensive engineering and development, plus hundreds of "proved out" installations for your ready reference, these new devices, all included in this new Catalog Q-8, offer the serious technician and lighting specialist a real "break through" in dramatic, economical lighting.

For the name of your nearest Kliegl Representative and a copy of Catalog Q-8, write today.

lighting

KLIEGL BROS.

Originators and Manufacturers of Klieglights
32-32 48th AVE., LONG ISLAND CITY 1, N.Y.
Phone: Area Code 212, ST 6-7474

5-1064

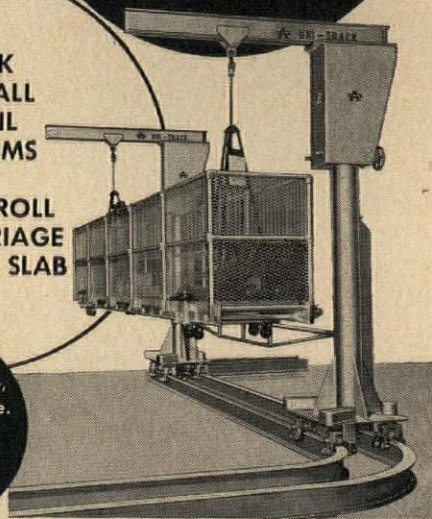
On Readers' Service Card, circle No. 369



**"UNI-TRACK"
and
"CLIMBER"
POWERED WINDOW
WASHING SYSTEMS**

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**ROOF DECK
PARAPET WALL
GUARD RAIL
TRACK SYSTEMS
and
FOUR WHEEL ROLL
AROUND CARRIAGE
FOR CONCRETE SLAB**

Write for 12-page,
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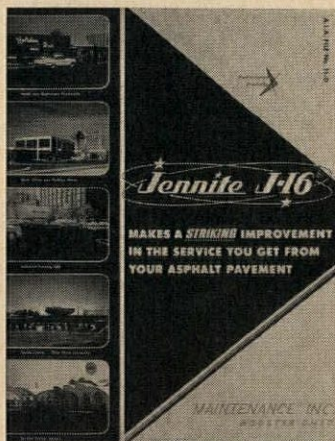
ALBINA ENGINE & MACHINE WKS.

2100 N. Albina Avenue • Portland, Oregon 97227

On Readers' Service Card, circle No. 321

New JENNITE J-16 Bulletin

**Presents Asphalt Protection
Specifications for Architects**



Introduced in 1938, slate black Jennite J-16 is the original . . . the world's most widely-used fuel and weather - proof coating for blacktop.

Applied on either new or old pavements . . . driveways, parking lots, airfields, play areas, etc., it seals in vital oils of the paving mix, seals out frost and water . . . retards drying action of the sun, stops oxidation, eliminates destructive damage of gasoline and oil,

keeps surfaces free of dangerous, loose particles. Jennite J-16 is economical, tough, easy to clean, long lasting.

A new bulletin (also bound into Sweets) describes many types of Jennite J-16 applications. It also lists short specifications for architects. Write for Bulletin 1435-L.

Maintenance Inc., Wooster, Ohio.

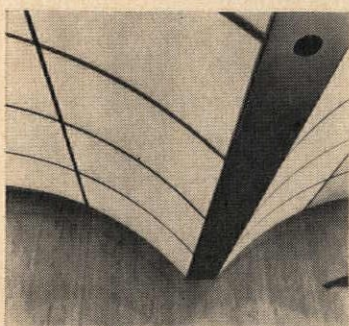
On Readers' Service Card, circle No. 378

NEW PRODUCTS

Construction

Scalloped Roof Lighting System

Lighting system has been designed by Walter Dorwin Teague Associates for use with the scalloped ceiling in the lobby (50' x 25') of the Administration Center of the Longwood Gardens in Kennett Square, Pa. Carved 4' x 6' acrylic plastic panels are placed 1' $\frac{3}{8}$ " from the scalloped concrete ceiling. From the center line of the panel to the finished floor is 15' 2 $\frac{5}{8}$ ". Panels are hinged at one side so that they can be swung down for cleaning and relamping. Each scalloped roof section contains four panels across and five deep—20 panels in each. Each



4' "Fluor-O-Trough" lighting fixture uses one 40w fluorescent lamp (300 lamps total) that are not only set at varying levels but are also placed at an equal distance from the panels. Foot candle level is either 100 or 200—100 using half the lamps and 200 using full lamps. There are 150 lighting troughs in each section that are set in 30 rows with five in each row. By using standard lighting, aluminum, and plastic components, the cost (\$18 per sq ft) was a reduction of almost one-half of the original estimate. Panels manufactured by Colonial Plastics, Newark, N. J.; "Plexiglas" supplied by Rohm & Haas of Philadelphia, Pa.;

metal frames and supports manufactured by Paneltrol of Wilmington, Del.; and lighting fixtures by Gotham Lighting Corp. of Long Island City, N.Y. Inquiries should be directed to Walter Dorwin Teague Associates, 415 Madison Ave., New York, N. Y.

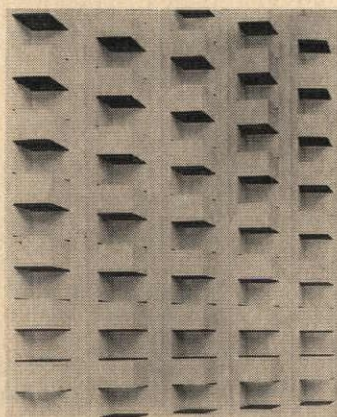
On Readers' Service Card, Circle 100

Nuclear Wood

According to manufacturer, recently developed wood is harder, stronger, more resistant to abrasion and water, and has better appearance than natural wood. Called "Lockwood," it is produced by impregnating such woods as pine, oak, maple, birch, fir, poplar, with liquid chemical. Then the chemical is hardened into the wood by irradiation with a nuclear reactor. Lockwood can be dyed in decorator colors by incorporating dye in the chemical that penetrates the wood. It can be used as flooring, wall paneling, door and window frames, furniture, and cabinets. Lockheed-Georgia, Dawsonville, Ga.

On Readers' Service Card, Circle 101

Texture Aluminum Panel



"C/S Alumatex" is series of deep formed textured aluminum panels. Each of three basic patterns provides 6" modules in horizontal dimension, 2" modules in vertical dimension, and nominal 3" depth. Panels of .050 gage weigh 1 psi and panels of .081 gage weigh 1.6 psi. Panel may be installed either horizontally or vertically in system of specially designed framing sections. It can be combined with horizontal and vertical framing mem-

bers or used as continuous installation. Finishes range from mill, etch, and lacquer to 12 different "DuraColor" coatings, clear or gold anodizes, hard-coat anodizes, and "Tedlar" color film. Construction Specialties Inc., 55 Winans Avenue, Cranford, N.J.

On Readers' Service Card, Circle 102

Epoxy/Stained Glass



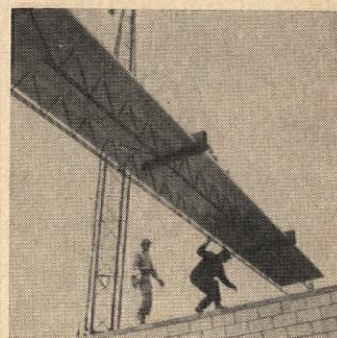
Recent development in producing of stained-glass windows consists of replacing lead striping with modified epoxy resin bonding material called "Rezklad" (manufactured by Atlas Mineral Products Div., Electric Storage Battery Co.). Epoxy resin eliminates releading, rebracing, and rewaterproofing. Techniques can be used in any design and with any thickness of glass. Fabricating process: Solid sheet of glass is used as backing. Smaller pieces of stained glass are cemented to solid sheet, leaving open spaces between them. Finally, open spaces are calked in with epoxy resin. Rezklad is unaffected by normal temperature fluctuations, maintaining bond strengths over 1400 psi through range of 42 F to 130 F. Cost of the process is slightly higher than conventional methods. Stained Glass Associates, P.O. Box 1531, Raleigh, N.C.

On Readers' Service Card, Circle 103

Prefab Insulated Roof System

Prefab bar joist is cast into perlite concrete roof-deck (manufactured by Great Lakes Carbon Corp.). Perlite replaces conventional sand and gravel concrete for slab decks and increases insulation over uninsu-

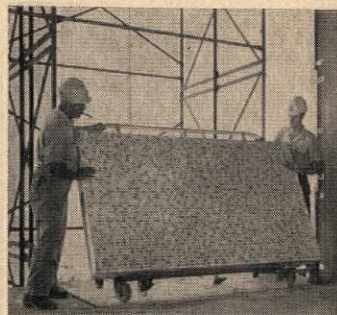
lated conventional portland cement and gypsum concrete slabs. Eliminating concrete webs necessary in prestress design reduces weight. By using open-web joists, lath and plaster or other ceiling systems can be added to the deck. Manufacturer states that problems caused by uneven or excessive camber in other concrete joist systems are eliminated because prefabricated method is poured dead level. Slabs are cast in lengths of from 20' to 40', 4' wide, and 3" thick. Allowable live loads range from 40 to 58 psf with total dead weight for system,



including built-up roof, ranging between 25.5 psf and 28.4 psf, depending on span. Joists (according to Steel Joist Institute specs) are placed 2' for both floor and roof slabs. At present, distribution of these slab units is limited to within 200 miles of Pennsylvania plant. Clear-span Inc., Catasauqua, Pa.

On Readers' Service Card, Circle 104

Prefab Tile Panels

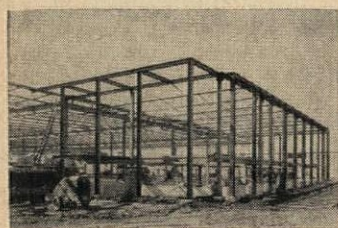


Prefab panels of ceramic tile facing are used in 14-story Banco de Ponce office building in San Juan, Puerto Rico. Mosaic panel walls are 66 per cent lighter than precast materials and weigh 10 to 16 psf, depending on surfacing used. Panel is about one-third the weight of reinforced concrete and has good strength-to-weight ratio. Panels meet requirements for Class A construction by New York City

Board of Standards and Appeals and have two-hr fire rating. Wide variety of materials, such as honed marble, travertine, polished granite, stone mosaic, quarry tile, gaged slate, flat or raised aggregates and limestone, can be applied to insulated or uninsulated cores. Interior surface of panels can be finished with gypsum wallboard, gypsum lath and plaster, or metal lath and plaster. Space is provided to run conduits. Architects can specify size, exterior and interior finish, with or without window units, glazed or unglazed. Matching column covers and thin veneering panels for remodeling work or new construction can also be specified. Curtain-wall panels can be fabricated for use with any building frame system in any normally required dimensions. Mosaic Tile Co., 55 Public Square, Cleveland, Ohio.

On Readers' Service Card, Circle 105

Brown-Textured Steel

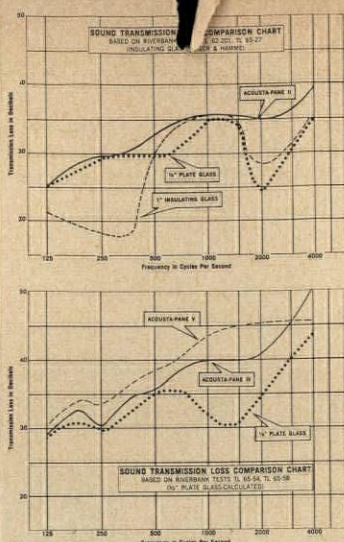


"Mayari R Weathering Steel," a high-strength, low-alloy grade for exposed, unpainted applications has a brown texture. According to the manufacturer, it has minimum yield point of 50,000 psi in thicknesses up to 3/4" (nearly 1 1/2 times that of structural carbon steel); four to six times atmospheric corrosion resistance of carbon steel, and two to three times that of copper-bearing steel; and greater resistance to abrasion and impact. Steel has been used in schools, savings banks, residences, and commercial structures. Bethlehem Steel Corp., Bethlehem, Pa.

On Readers' Service Card, Circle 106

Safety Glass at 42 STC

"Acousta-Pane V," 3/4" laminated safety glass, eliminates more sound than any other single light of glass, according to manufacturer. Glass was specially developed for the Vertical Assembly Building and Sound Control Center at Cape Kennedy. Tests indicate



that Sound Transmission class rating is 42. Glass operates best in critical frequency range between 600 and 4000 cycles and can reduce noise by as much as 50 per cent compared with solid plate glass. It consists of thin sheets of glass laminated with specially formulated interlayers. Unit is available in sizes up to 48" x 104" and in sheet or polished plate glass, either clear or in amber tint. Amerada Glass Corp., 3301 S. Prairie Ave., Chicago, Ill.

On Readers' Service Card, Circle 107

Acoustics

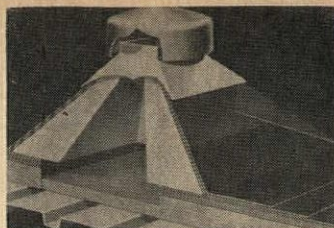
Acoustical Fabric for Walls

"Hushalon 2," a decorative wall felt laminated to 1/4" foam backing, has been tested, revealing a noise reduction coefficient of .40. Wall covering is flame-resistant, mothproof, and stain-resistant; it is said not to stretch or shrink after application. Hushalon 2 is available in 36 colors plus 16 special-order colors. Central Shippee Inc., 24 West 25 St., New York, N.Y.

On Readers' Service Card, Circle 108

Air/Temperature Insulated Roof Vent

Permanent roof insulation vent constructed of fire-retardant urethane foam under a heavy gage aluminum cap is built into roof flashing. With average spacing vents will ventilate a six square area so that vapor travel does not have to exceed 30 ft in any direction. Closed cell structure of urethane foam prevents moisture condensation

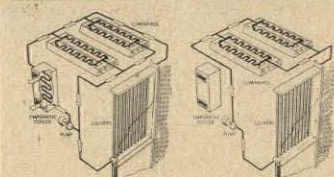
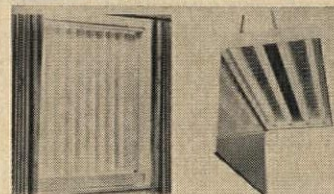


from forming inside vent. O. O. McKinley Co., Inc., 4530 N. Keystone Avenue, Indianapolis, Ind.

On Readers' Service Card, Circle 109

Water Insulation

"Lite-Therm" is lighting, heating, and cooling combined into one system that uses nonrefrigerated water to control solar and artificial lighting heat loads before they enter occupied space. Nonrefrigerated water is circulated through the lighting fixtures and vertical louvers



located inside the building adjacent to the exterior glass areas. Water absorbs solar and artificial lighting heat and rejects it through evaporative cooler located outside the building. Lite-Therm is controlled through valves in water system that operates in conjunction with room thermostats. Lighting fixtures differ from conventional ones in that they have embossed water tubes integral with reflector housing through which nonrefrigerated water is circulated. As water recirculates, it picks up heat from lamps and ballasts. Louver finishes included various anodized colors, vinyl covering, or paints of any desired color. Luminaire can be furnished for either recessed or surface mounting

with variety of shield mediums. Environmental Systems Corp., Subsidiary of Lithonia Lighting, Conyers, Ga.

On Readers' Service Card, Circle 110

Doors/Windows

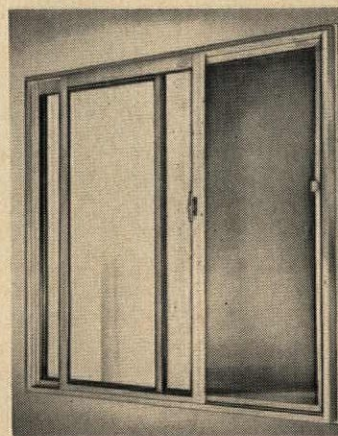
Automatic Closer for Fire Windows



Series "TC720" Steelbuilt" fire windows feature automatic nonremovable closer complying with existing code requirements. Sliding panel slides in stainless-steel ball-bearing rollers on track that eliminates side play. Installed in the head section, closer is automatically triggered by temperatures above 165 F. Windows are approved to meet code class "E" and "F" applications. Pasadena Engineering Corp., 3270 E. Foot-hill Blvd., Pasadena, Cal.

On Readers' Service Card, Circle 111

Reversible Door



Series "400 Reversible Dor-Wal" has floating interlock that permits installer to change the handling of any panel on site. "Cam Action" jamb enables panel to glide firmly against weatherstripping. Flat sill permits DorWal to set on subfloor, finished floor, carpet, tile or concrete without need for molding or additional trim. Variety of sizes and styles are available with one, two, three, or four moving panels sized to

fit all openings in all types of construction. Acorn Products, 10026 Puritan, Detroit, Mich. On Readers' Service Card, Circle 112

Electrical Equipment

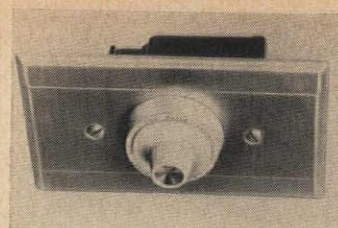
Incandescent Lighting



Lithonia Lighting, Inc., has entered the incandescent lighting fixture field to complement their line of fluorescent lighting fixtures. Incandescent line includes recessed square fixtures with either horizontal or vertical lamps; recessed round fixtures; square or round fixtures which attach below ceiling surface; pendant globes; two types of decorative "kast" fixtures for wall or ceiling; exit signs; bullets and aisle lights. Reflector of square fixtures is positioned and pushed into ceiling with one movement. It remains locked into and aligned with ceiling surface by "Ratch-Latch" device, which eliminates starting screws or nuts. Lithonia Lighting Inc., Box A, Conyers, Ga. On Readers' Service Card, Circle 113

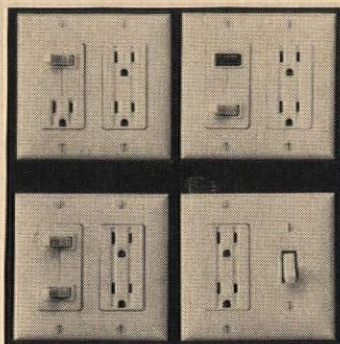
A Dim View

UL-listed 600w "Infinite-Range Dimmer" provides continuous range from zero to full bright, immediate switching to preset position, and convenient on-off control. "No. 6670" replaces any ordinary single-pole switch and is equipped with large-head terminal screws for easy installation. Modularized components resist shock, heat, cold, and humidity. Other features include built-in radio/TV filter, large heat-sink for cooler operation, definite on-off positions, and use of standard wall plates. Dimmer is rated at 120v



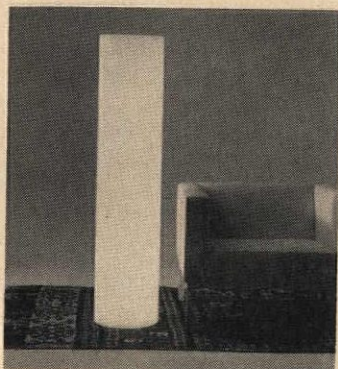
AC (incandescent only). Leviton Manufacturing Co., Inc., 236 Greenpoint Ave., Brooklyn, N. Y. On Readers' Service Card, Circle 114

Combination Devices



Line of "Medalist" combination devices have AC quiet switches and split circuit wiring. Devices contain break-off feature that permits 16 different wiring applications with only seven catalog numbers. Separate or common feed is available in one device. Other features include 20-carat gold-plated switch contacts, compact body 1/4" shallower than other devices, and staked and backed out screws. Slater Electric Inc., 45 Sea Cliff Ave., Glen Cove, N. Y. On Readers' Service Card, Circle 115

No Switch No Wires



White Lumacryl standing, cylindrical light fixture is revolved 15° to operate battery's invisible on/off switch. Dimensions: 12" diameter x 52" high. Designed by Paul Mayen for Ha-

bitat, 336 Third Ave., New York 10, N.Y.

On Readers' Service Card, Circle 116

Finishes/Protectors

Penetrating Finish

"Watco Danish Oil Finish" uses polymerizing chemical formula that penetrates wood, then changes from liquid into permanent solid inside wood. Finish primes, seals, preserves, finishes, and hardens any type of wood in one application. Finish does not "gum out" in warm temperatures, nor chip, peel, or wear away. Watco-Dennis Corp., 1756 22 St., Santa Monica, Calif. On Readers' Service Card, Circle 117

Protective Wood Coating

"Diothane" is a protective sealer and coating for all wood surfaces. This one component, synthetic resin coating is ready to use and requires no blending, proportioning, or mixing. When exposed to air or when applied to given surface, Diothane sets or hardens by interaction with moisture. It resists ultraviolet rays; fresh and salt water, alkalis, and mild acids; is said not to fracture or chip on impact, and will not scuff or mar. One gal. covers about 400 sq ft of wood surface. Permagile Corp. of America, Commercial St., Plainview, L.I., N.Y. On Readers' Service Card, Circle 118

30-Year Coating

"Kynar 500" is a recently developed liquid fluorocarbon resin used as a base for exterior finishes. It can be applied to aluminum or steel. Tests indicate that Kynar 500 has projected life of 30 years or more for exterior siding and building components. It has good weather-, abrasion-, impact-, and fading-resistance. Spray-coated extruded parts used as mullions and window frames can be color-matched to roller-coated wall panels. According to manufacturer, Kynar 500 provides finishes as durable as anodized or porcelainized metals at costs lower than comparable long-life finishes: i.e., Kynar costs 20¢ to 25¢ per sq ft compared to

panels protected by porcelain, anodizing, or laminated film which cost from 35¢ to \$1.25 per sq ft. Paint companies formulating finishes with Kynar 500 are DeSoto Chemical Coatings, Inc.; The Glidden Co.; Midland Industrial Finishes; Sherman-Williams Co.;



and Pittsburgh Plate Glass Co. Two companies now producing metal building components protected with Kynar 500 are Inland Steel Products Co. and Elwin G. Smith & Co., Pennsalt Chemical Corp., Three Penn Center, Philadelphia, Pa. On Readers' Service Card, Circle 119

Furnishings

Sleek Sofa



Polished aluminum legs are recessed into the arms of leather-upholstered, foam-and-dacron-filled sofa. Upholstered also in plastic or fabric. Designed by Jules Heumann for Contract E Series of Metropolitan Furniture, 950 Linden Ave., South San Francisco, Calif. On Readers' Service Card, Circle 120

Flair for Textures

Stuart John Gilbert's designs for a young Chicago firm reveal high craftsmanship and a flair for textures. Executive lounge chair #402 (1) is constructed of lacquered, laminated mahogany with tufted leather seat and back, and solid stainless-steel base with swivel mechanism. Dimensions: 28½" wide, 30" deep, 28"-33" high. Armless lounge chair (2) is an all-welded stainless-steel struc-



1



2

ture with black leather sling support straps and natural leather cushions. Dimensions: 28½" wide, 28" deep, 31½" high. John D. Williams Co., Merchandise Mart, Suite 1185, Chicago 54, Ill.

On Readers' Service Card, Circle 121

Dutch Imports



1



2

French designer Pierre Paulin's version of the bucket chair takes an interesting form (1), tubular frame is upholstered in "Lisboa" or "Syntillon" fabrics over foam rubber. His other chairs include pressed shells supported by metal pedestals or separate legs. British designer Geoffrey D. Hardourt's occasional chair (2) was detailed for unit arrangements. A metal frame supports an upholstered pressed shell. Chairs are from

an import line manufactured by Artifort of Holland and distributed by Monarch Furniture Co., 667 Ward Street, High Point, N.C.

On Readers' Service Card, Circle 122

Outdoor Furniture



Extruded, hollow plastic slats are hung on metal cable from tubular steel frame. Four two-color combination choices of slats; baked enamel frame in white or olive. Samsonite Outdoor Furniture, 1050 South B'way, Denver, Colo.

On Readers' Service Card, Circle 123

Sanitation/Plumbing

Sanitary Pipe System

"Hubless Cast Iron Sanitary System," according to manufacturer, saves in over-all cost and



protects residences against failure of system from corrosion or penetration of roots for 50 years or more. "CI-No-Hub" joint uses neoprene gasket and is tightened with stainless-steel worm drive clamp. This air- and fluid-tight seal absorbs vibrations and withstands sudden shocks as well as marked deflections. Hubless cast iron soil pipe and fittings are available in 2" and 3" sizes so that they can be installed in 2" x 4" wall or partition without furring. Cast Iron Soil Pipe Institute, 1824-26 Jefferson Place, N.W., Washington, D.C.

On Readers' Service Card, Circle 124

Special Equipment

Suspended Filing

"Accolateral" combines shelf filing and suspended filing. It is said to save as much as 60 per cent of square footage required for drawer file cabinets.



Folders slide on built-in channels. Each modular unit has filing space for about 70 folders, which is 40 per cent more filing capacity than standard file drawer containing 50 hanging folders. A 4" base, as well as doors, are available. Six-tier unit provides filing space for about 400 folders, which is 100 per cent more filing capacity than conventional four-drawer filing cabinet housing 200 hanging folders. Acco International, Ogenburg, N. Y.

On Readers' Service Card, Circle 125

Nondirty Whiteprints



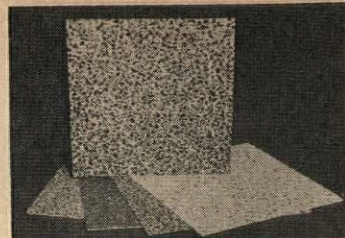
"Diazotex" base sheet for construction whiteprints is not affected by mud, rain, or oil. Sheets dry without wrinkle, curl, or snap-back. Diazotex can be printed in any commercial diazo equipment that develops by dry process. Kimberly-Clark Corp., Neenah, Wis.

On Readers' Service Card, Circle 126

Surfacing

Ft Sq Terrazzo

Added to line of 9" x 9" x 1/8" terrazzo with #1 marble chips is 12" x 12" x 1/8" tile with #2 marble chips. Both sizes are available in 10 patterns as well



as special order patterns. Terrafino Corp., Carlstadt, N.J.

On Readers' Service Card, Circle 127

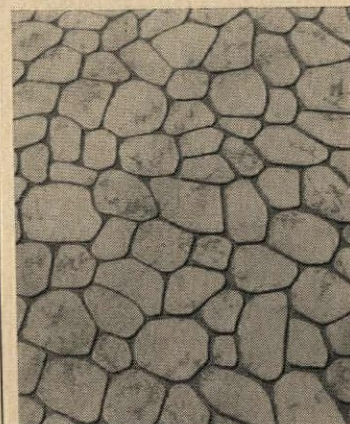
Textured Wall Vinyl



Textured vinyl pattern of "Vicrtex" called "Barbados," is reminiscent of net screening used in tropical islands. It is available in 19 colors and is among 50 standard patterns offered by L. E. Carpenter & Co., 350 Fifth Ave., New York, N.Y.

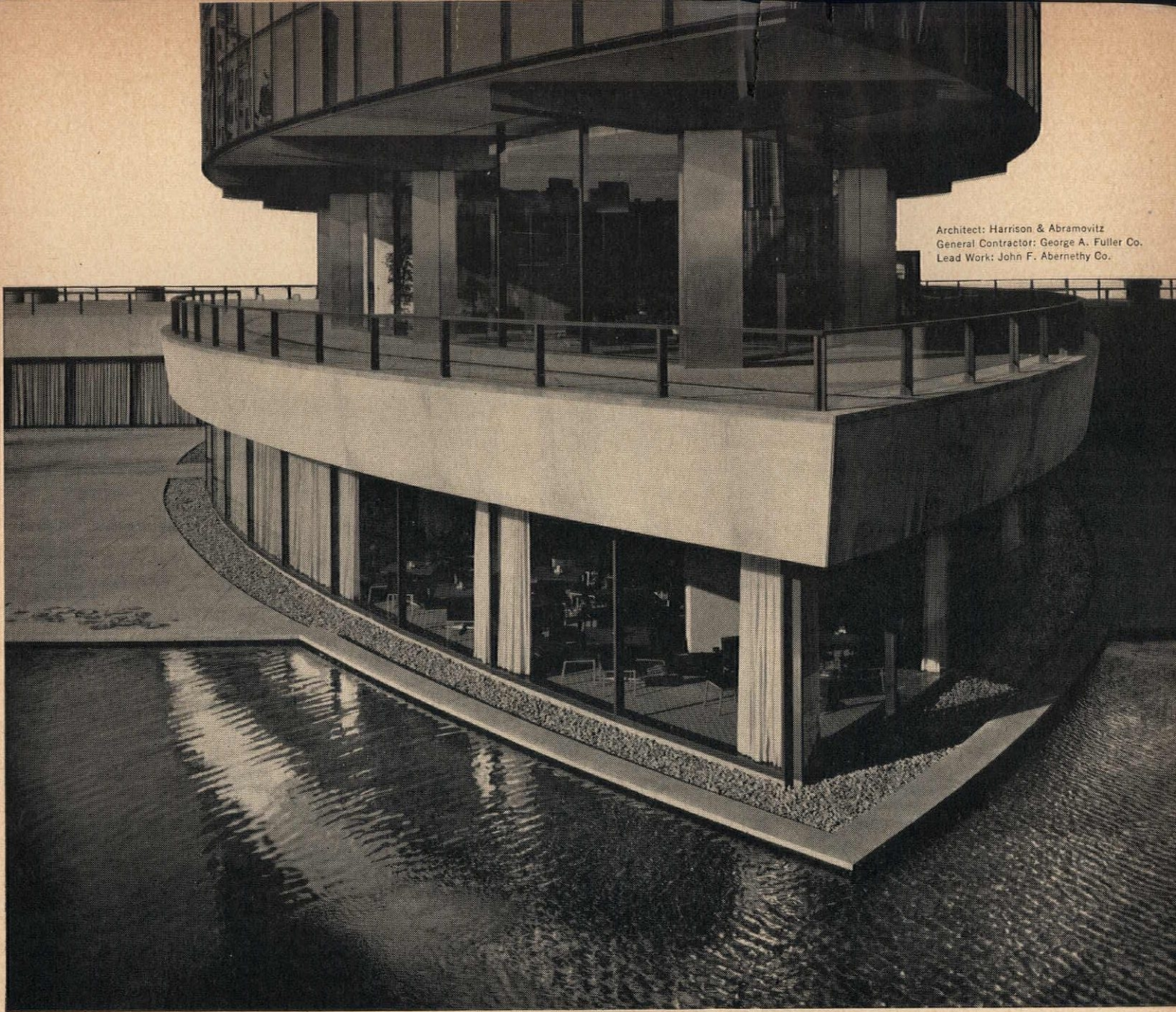
On Readers' Service Card, Circle 128

Sculptural Floor Vinyl



Recent line of moderately priced all-vinyl flooring designs are three-dimensional. "Arroyo" looks like polished and grouted pebbles. It is available in solid colors with complementary grout combinations; most realistic is white with black grout. The Goodyear Tire Co., Akron, Ohio.

On Readers' Service Card, Circle 129



Architect: Harrison & Abramovitz
General Contractor: George A. Fuller Co.
Lead Work: John F. Abernethy Co.

WHY PHOENIX MUTUAL'S NEW SHIP SAILS IN A LEAD-LINED SEA

Seeing the streamlined grace of its shape (technically a lenticular hyperboloid), it is easy to understand why residents of Hartford call the Phoenix Mutual Life Insurance Company's new 14-story office there "the ship." Its designers created beauty from the same poetic fancy. They launched the building's "bow" into a miniature sea... a reflecting pool 140 feet long and 50 feet wide. With garages and file rooms directly below the pool, it took the lasting leakproof qualities of lead to make the architect's inspiration practical. Over 22 tons of lead lining keep the water permanently in place.

This pool is a striking example of the way the virtues of lead have sparked a trend in modern architecture. More and more, designers lend graciousness and interest to buildings by providing pools, fountains, and planters. Water and

greenery add a pleasing, human counterpoint to the bare beauty of concrete, glass, and metal.

You can place pools almost anywhere. On a roof or terrace. In a lobby or apartment. Your imagination can roam freely because lead conforms easily to any shape. It lasts forever, and maintenance is nil.

Write now for detailed specifications for pools and planters. We'll gladly give you full technical information on these and other modern architectural applications of lead. Contact: Lead Industries Association, Inc., Dept. N-4, 292 Madison Avenue, New York, New York 10017.

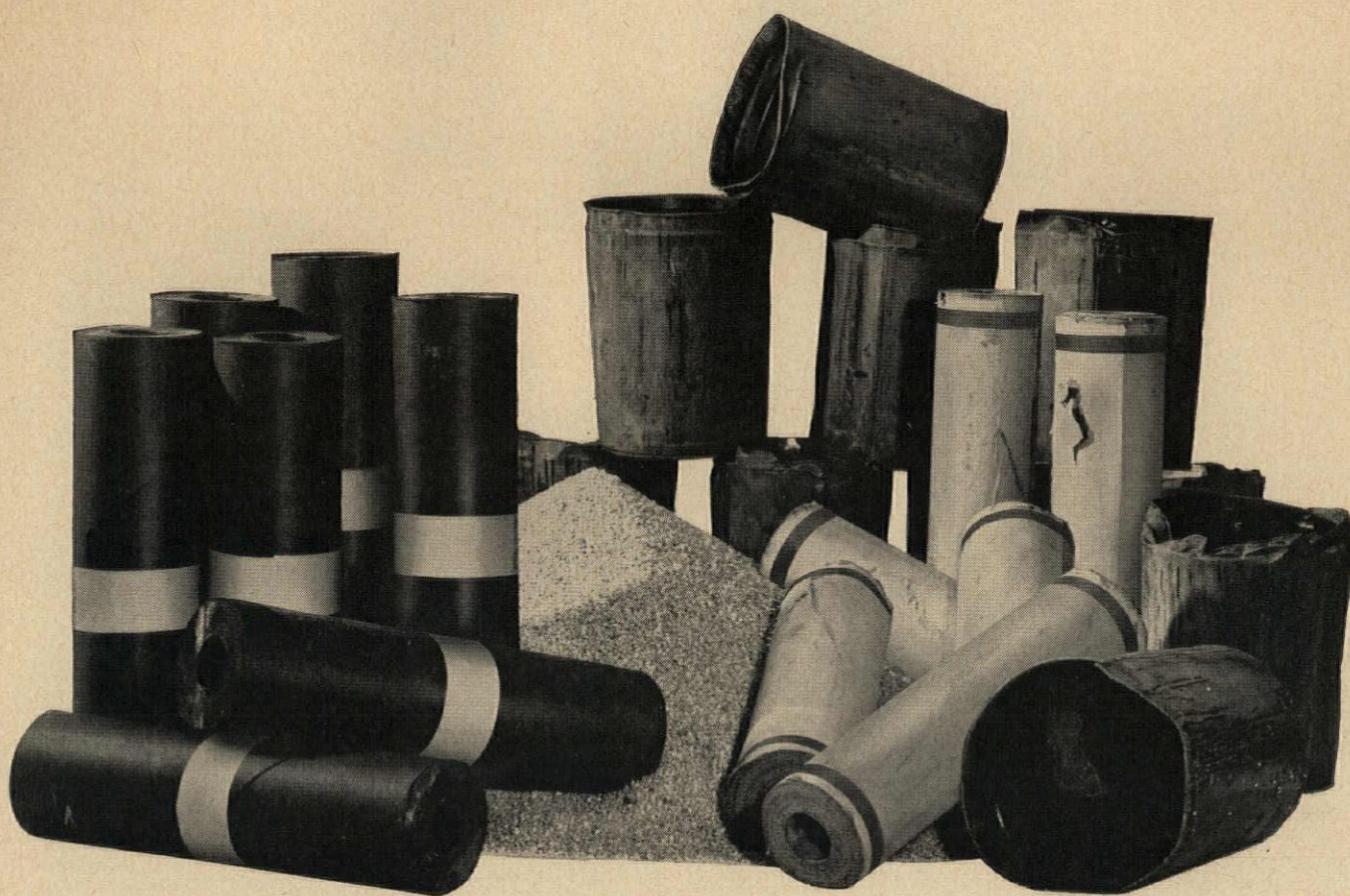


LEAD INDUSTRIES ASSOCIATION, INC.

Look Ahead with Lead

On Readers' Service Card, circle No. 457





This will roof nine squares



... so will this

It's BFG ONE-PLY, a complete self-flashing roofing system from B.F. Goodrich. ONE-PLY is made of Hypalon* synthetic rubber backed with neoprene-bound asbestos. Black or white. It's rugged, durable, quickly and easily applied. For roofs of nearly any shape. Lightweight? Nine squares of 4-ply, gravel-surfaced conventional roofing, in place, weighs nearly three

tons. Just 365 pounds of ONE-PLY will cover the same area. And ONE-PLY offers big savings in on-site handling and installation costs. Performance? So good it's guaranteed watertight... free from leakage... for five full years under normal conditions. Want complete information? Just write Building Products Department PA-18, The B.F. Goodrich Company, Akron, Ohio 44318.



*Du Pont's Registered Trademark

On Readers' Service Card, circle No. 356

Quality Control Program For Tile

First quality testing and certification program in the tile industry becomes effective this month. Certification mark signifies that tile "equals or exceeds the highest quality standards set forth in Commerce Department Simplified Practice Recommendation R61-61



and Federal Specification SS-T-308B." Color harmony or uniformity, facial dimensions and defects, warping, wedging, crazing, water absorption thickness, and other factors are properties that are tested. Certification "is effective for one year from the date of original shipment by the manufacturer, or up to the time of installation, whichever period is shorter." Tile Council of America, Inc., 800 Second Ave., New York, N.Y.

On Reader's Service Card, Circle 200

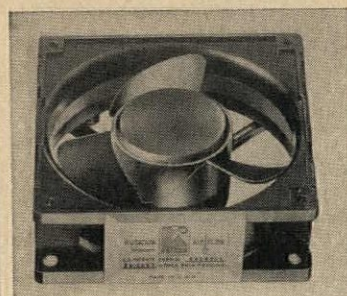
Air/Temperature

Cooling/Heating Coils

"Turbaire" cooling/heating coils of four basic types and plate fin-type construction designed for diverse air conditioning applications are the

subject of 48-page manual "No. 96-385-A." Complete technical data covers chilled water cooling and hot water heating coils, direct expansion cooling coils, standard steam heating coils, and distributing tube steam heating coils. Included are dimensional data and quick-selection procedures for each type coil, total heat tables, air mixture curves and air friction data. Also included is psychrometric chart for solving air conditioning problems as determining total heat load, sensible heat factor, dew point and relative humidity, apparatus dew point, and mixture of air volumes. Acme Industries Inc., 600 N. Mechanic St., Jackson, Mich.

On Readers' Service Card, Circle 201



The Thin Fan

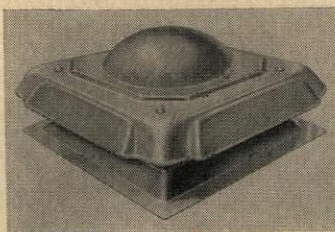
"Muffin" fan for heating, cooling, or ventilating features thin width of 1 1/2". It is made of molded, high-impact, flame-retardant phenolic. Air flow is reversible. Fan, 4 11/16" square in size and 1.2 lb in weight, has sound transmission level of 20 to 50 db. Brochure includes details, photos, and charts. Rotron Mfg. Co., Inc., Woodstock, N.Y.

On Readers' Service Card, Circle 202

Vinyl Roof Exhauster

"Unitary Exhauster" is introduced in detail in 12-page brochure. Unit is made of "Hi-Temp" vinyl and has two notable features: fan, curb, and back-draft dampers in one package; and low profile. It is offered in centrifugal belt and direct drive with 72 models in capacities up to 35,000 cfm. Important innovation is mounting of back-dampers on discharge side of exhaust system. Location of dampers, one on each side of square-shaped housing, has five advantages: reduces height by making more space in curb area where

dampers are usually mounted; quieter operation by isolating damper flutter out on discharge side; guards against snow and rain entering housing; eliminates bird guards; and permits louvers to be inspected and adjusted from roof



without moving the fan. Capacity and some value data as well as photos are included. Jenn-Air Products Co., Inc., 1102 Stadium Drive, Indianapolis, Ind.

On Readers' Service Card, Circle 203

Acoustics

Acoustics Manual

Booklet, 36 pages, entitled "The Use of Architectural Acoustical Materials—Theory and Practice" is available. Included are sections on "Sound Reflection in Rooms," "Acoustical Design of Auditoriums," "Sound Conditioning," "Properties of Acoustical Materials," "Sound Absorption Coefficients of General Building Materials and Furnishings," "Types of Architectural Acoustical Products," and "Bibliography." Copies are available at 50¢ each. Acoustical Materials Assn., 335 East 45 St., New York, N.Y.

Construction

Curtain Wall "Ratchet" Wall

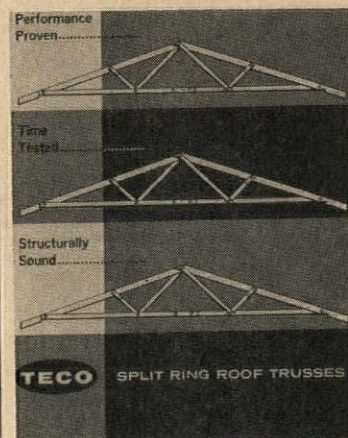
Series of four booklets explain aluminum entrances, storefronts, sliding doors, and curtain walls. All booklets include section details, photos, and specs. Curtain wall features recently developed "Ratchet" prefabricated aluminum glazed wall system. Serrations or teeth-forming ratch are built into basic grid system to receive outside trim and glass-holding sections. Face section, designed with projecting legs, acts as pawl. Pawl and ratch are tapped together with mallet to form Ratchet system. If necessary,

ratch can be dismantled from bottom to top. System is used in low-rise buildings for curtain wall, slab-to-slab construction, storefronts, and partitions. Amarlite, Div. of Anaconda Aluminum Co., P.O. Box 1719, Atlanta, Ga.

On Readers' Service Card, Circle 204

Trusses/Fasteners

Series of data sheets describes structural wood fasteners. Products include "Line-A-Joist" connectors for cantilevered floor framing, "Ty-Down"



rafter anchors for anchorage of roof trusses and rafters, "U-Grip" joist and beam hangers, "H-Clip" plywood supports, "Trip-L-Grip" and "Du-Al-Clip" framing anchors, "Fas-Lok" cross bridging, truss plates for single plane roof trusses, "Wedge-Fit" split rings for roof truss construction, shear plates used in glu-lam and heavy roof truss systems, post caps for 4" x 4" or 4" x 6" post and beam construction, angles used as utility framing devices in fastening wood to wood, and post anchor bases for anchoring 4" x 4" wood posts to concrete slabs. Another series of design sheets discusses bowstring roof trusses built with split ring connectors. Trusses have span range of 30' to 100' in 10' increments. Timber Engineering Co., 1619 Massachusetts Avenue N.W., Washington, D.C.

On Readers' Service Card, Circle 205

Modular Storage Wall

Folder outlines "Storage Wall," a cabinet/wall system that varies in height, width, and depth by modules of 6". Architect specifies desired wall units from manual (available upon request and which includes over 180



no lift...just tap



TAP-NOK*

all-new **DOOR KNOCKER**
and **VIEWER** *for*
daytime—nighttime
security

There's far more than new contemporary design and smartness in this TAP-NOK door knocker by Safe Hardware. Occupants are assured of safety and protection, too . . . with a barely noticeable one-way Viewer that lets the room or apartment occupant see out before opening the door to strangers.

The TAP-NOK door knocker is available with or without the Viewer . . . adds a touch of distinction for today's modern apartments, hotels, motels, dormitories—wherever protection and utility are desired.

Engraved letters or numbers as required—wood or metal application. Available in Brass, Bronze, Aluminum.

(*) TRADEMARK

BRAND NEW

No. 2154 TAP-NOK—engraved numbers; 2¼" x 3¼"

No. 2153 TAP-NOK—no numbers; 2¼" x 3¼"

No. V2154 TAP-NOK—engraved numbers and viewer
2¼" x 4½"

No. V2153 TAP-NOK—viewer, no numbers; 2¼" x 4½"

No. 2149 VIEWER—
wide vision; adjustable for 1⅝" to 2" Doors.



SAFE HARDWARE

DIVISION OF EMHART CORPORATION
NEW BRITAIN, CONNECTICUT

Gentlemen:

- ☐ Please send me a free copy of new brochure S-100 describing your all-new TAP-NOK Door Knockers.
- ☐ Please have your representative call.

NAME _____

FIRM _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____

On Readers' Service Card, circle No. 437

arrangements) and then determines modular sizes of units, counter, and work heights. Selected next are sizes and species of wood, top material, and type of hardware. Procedure is then to select proper base height. Finally, exterior finishing panels (sides, tops, or backs) are chosen. Completed units are bolted together with connector bolts or bolts supplied for individual wall requiring no bolting or blocking to existing wall or ceiling. Short form of standard construction specs, several unit arrangements, rough sketch of Storage Wall installation are given. Boyd-Britton Inc., 1406 No. Sandburg Terrace, Chicago, Ill. *On Readers' Service Card, Circle 206*

Specifying Gypsum Products

U.S. Gypsum Company has completely changed their concept of presenting technical information to architects. Consolidated 300-page section is organized according to architect's function and end use rather than by manufacturer's product line. By actual case study, according to manufacturer, it has reduced as much as 85 per cent of the time that architects formerly were required to take in selecting and specifying partitions, ceiling systems, roof assemblies, column and beam fireproofing, and exterior wall furring. Products are treated as components of construction assemblies that the architect may compare, select, and specify as a unit. Literature section consists of 20-page construction selector, 37 individual systems folders, and 9 product catalogs, all of which are coordinated and cross-indexed. U.S. Gypsum Co., Dept. 130, 101 S. Wacker Drive, Chicago, Ill.

On Readers' Service Card, Circle 207

Designing Trusses



Comprehensive booklet, entitled "Plywood Truss Designs," offers information on trusses ranging in spans from 20'-8"

to 32'-8". Included are 10 truss designs of which six deal with king-post type and four with W-trusses. According to booklet, advantages of utilizing truss spans with gusset plates is that they save in costs by reducing lumber requirements. Nail-glued trusses require no interior bearing walls, thereby increasing savings in wall framing, floor framing, and foundations. American Plywood Assn., 1119 A St., Tacoma, Wash.

On Readers' Service Card, Circle 208

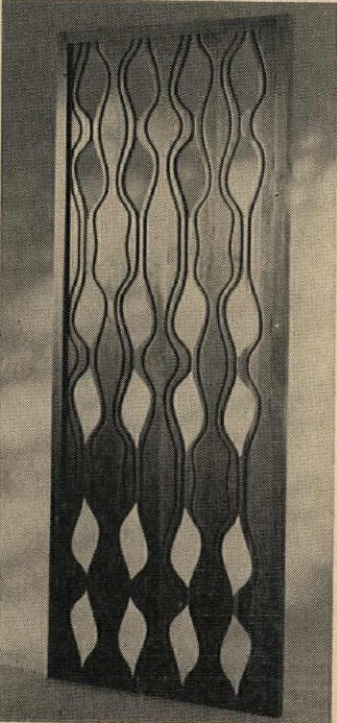
All That Marble!

"Marble Forecast — 1964/1965" lists all MIA domestic and foreign marble member companies, their types of marble, and color ranges. Also given is group classification that indicates proper method of finishing and size restrictions. Marble Institute of America Inc., Pennsylvania Bldg., Washington, D.C.

On Readers' Service Card, Circle 209

Carved Wood Panels

Carved wood grilles, doors, and panels are illustrated in 4-page brochure. Grilles consist of clear wood strips edge-glued to 2' x 8' x 3/4". These panels are then precision carved into open grille designs. Wood doors are constructed of two 3/4" thick panels carved on one side and laminated on 3/4" thick solid core. Door sizes are 3' x 6'-8", 3' x 7', or 3' x 8'. Panels are carved on one side for use



as decorative walls, ceilings, and other flat surfaces. Stock size is 2' x 8' x 3/4". Grilles, doors, and panels are made of walnut, gumwood, sycamore, or redwood. Special sizes, designs, and materials are available upon request. Customwood Mfg. Co., 3620 High St., N.E., Albuquerque, N.M.

On Readers' Service Card, Circle 210

Grading Rules—1965

"1965 Standard Grading Rules," 279 pages, conforms to American Lumber Standards. Types of lumber covered are Ponderosa Pine, Idaho White Pine, Sugar Pine, Douglas Fir and Western Larch, White Fir, Engelmann Spruce, Lodgepole Pine, Incense, and Western Hemlock. Major addition to book is optional standard detailing stress ratings for lumber up to 2" thick, dried to a moisture content of not more than 15 per cent (stamped "MG 15") and not more than 19 per cent (stamped "Dry"). Rules book is available at 50¢ per copy. Western Wood Products Assn., 700 Yeon Bldg., Portland, Ore.

4-Hr Core Slab

Brochure, 8 pages, presents "Spancrete" prestressed, precast core slab with 4-hr UL fire rating. Spans range up to 48' with widths at 40", and depths in 4", 6", 8", and 10". It can be used with several types of construction: steel bearing, masonry wall bearing, concrete beam bearing, valley roof framing, and pitched roofs. Ceilings can be painted or sprayed with acoustical plaster. With underlayment, floor tile or carpet can be applied with no topping. Section details, safe load tables, and specs are given. Spancrete Machinery Corp., 10909 West Bluemound Rd., Milwaukee, Wis.

On Readers' Service Card, Circle 211

Low-Cost Wood Floor System

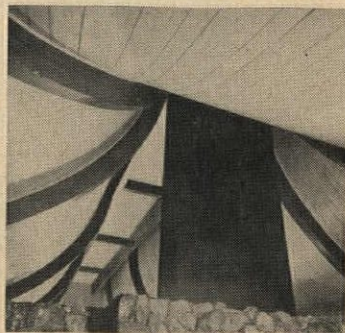
"Low-profile Wood Floor System" is subject of "No. 4 Technical Bulletin" based on an investigation to develop new methods of wood-floor construction by NLMA. Test results are contained in detail. First objective was "to develop

means to place wood-frame floors closer to exterior grade levels without creating hazardous environmental conditions for wood in reduced underfloor space." According to test results, this method of construction can be accomplished by employing floor-to-ground space as a plenum for heating and air conditioning as well as by applying conventional methods of protecting the lumber. Second objective sought "to lower cost of the floor construction both in amount of materials and in the installation time." Here again test results indicated this can be achieved by utilizing smaller joists and beams supported on appropriately spaced, low-cost piers without footings. Furthermore, by employing the crawl space as a plenum, heating installation costs are reduced. Appropriate section details, floor plans, and charts are given. National Lumber Mfg. Assn., 1619 Massachusetts Avenue, N.W., Washington, D.C.

On Readers' Service Card, Circle 212

Glu-Lam Beams/Arches

1965 line of "Rilco" laminated wood beams and arches is presented in 20-page color catalog. Shown are uses and details of Rilco members for churches, schools, residences, commercial, and industrial buildings. Catalog provides basic design data on Tudor arch systems, radial arches, tied arches, bowstring truss systems, purlin beam systems, solid timber decking, vertically



laminated beams, and laminated decking. Weyerhaeuser Co., Box B 270, Tacoma, Wash.

On Readers' Service Card, Circle 213

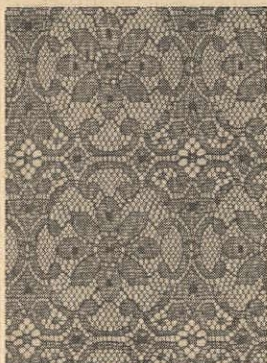
Plastic Sandwich Panel

"Capella," a rigid, low-cost sandwich panel is described in 4-page brochure. Panels are produced in acrylic modified polyester resins and glass-fiber



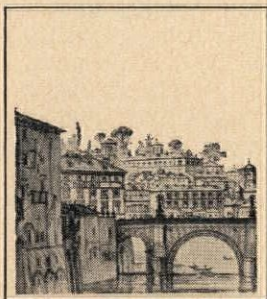
MARBLE PATTERNS

including Travertine for luxurious walls in any decor, any building.



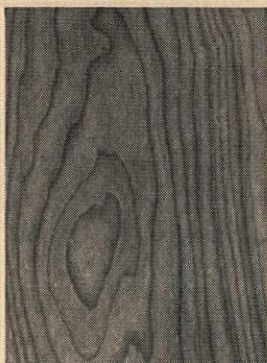
DECORATOR PATTERNS

including four Chantilly designs plus Fleece, Lace and Nugget designs.



MARLITE MURALS

including Ponta Roma, River Landing and Williamsburg for custom-decorated walls.



TRENDWOOD FINISHES

including Colonial Maple and Provincial Walnut for distinctive interiors.



6526

New Marlite Decorator Paneling

Beautiful decorating ideas come easy with Marlite!

Now more than ever, Marlite plastic-finished paneling offers infinite decorating possibilities to help your customers plan distinctive and luxurious interiors. With Marlite's 1965 line of smart Decorator Paneling, no other material gives you such a wide selection of colors, patterns and designs.

Unique decorator patterns, rich marbles, authentic Trendwood® reproductions, bold

new designer colors, and striking new Marlite Murals make this soilproof paneling at home in any decor.

And wash-and-wear Marlite resists heat, moisture, stains and dents. It's easily installed over old or new walls, never needs painting or further protection. Marlite stays like new for years with an occasional damp cloth wiping.

Get details on Marlite Decorator Paneling from your building materials dealer, consult Sweet's File, or write Marlite Division of Masonite Corporation, Dept. 414, Dover, Ohio.

Marlite®
plastic-finished paneling

ANOTHER QUALITY PRODUCT OF MASONITE® RESEARCH

On Readers' Service Card, circle No. 380

reinforcing. They are made in three weights and in thicknesses of 3/32", 1/8", and 3/16". Pattern is completely nondirectional. Standard widths are 24", 36", and 48" and lengths range from 24" to 144" in 12" multiples. Panels may be cut to assorted sizes. They are available in 17 colors, which are shown in brochure. Capella has stiffness about twice that of hardboard, U factor that varies from .62 to .49 depending on panel types, and thermal ex-



pansion similar to aluminum. Capella Corp., Bailey Hill Research Park, P.O. Box 3646, Eugene, Ore.

On Readers' Service Card, Circle 214

High-Strength Bars Tie Trusses Together

"Technical Bulletin No. 17" tells how precast sections composing outer frame of 14-story North Carolina Mutual Life Insurance Co. in Durham (designed by Welton Becket & Associates) are tied together with high-strength alloy steel bars. Framing the building are 28 Vierendeel trusses each 108' x 20', or two-stories high. Seven of these trusses are used in each façade. Each truss cantilevers 33'-9" from either side of two center supporting columns and is prestressed by post-tensioning. Progress photos and details are given. Stress-steel Corp., 221 Conyngham Avenue, Wilkes-Barre, Pa.

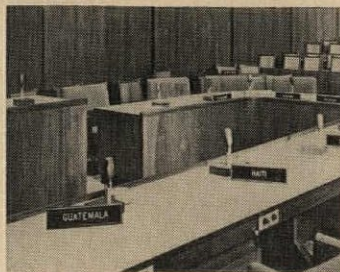
On Readers' Service Card, Circle 215

High-Strength Reinforcing Bars

Booklet, 20 pages, presents data on high-strength reinforcing bars, including properties, applicable specs, methods of splicing, and ultimate strength design methods. Typical applications where high-strength bars are used include bridges and highways, office and apartment buildings, motels, stores, and stadiums. Savings on use of high-strength bars are indicated

by comparative designs of typical beams and columns. Ultimate strength design methods are presented in step-by-step procedure for a tee-beam and a spiral column. "ASTM Specifications for Steel Bars for Concrete Reinforcements" is enclosed separately. American Iron and Steel Institute, Committee of Concrete Reinforcing Bar Producers, 633 Third Avenue, New York, N.Y.

On Readers' Service Card, Circle 216



Hardwood Plywood

Uses of hardwood plywood for wall panels, furniture, flooring, kitchen cabinets, and doors are described in 16-page booklet. Reproductions in color of 35 species of hardwood plywood are shown. Properties of strength, stability, splitting, impact resistance, insulation, etc., are included. Various methods of matching are illustrated. Copies are available at 25¢ each. Hardwood Plywood Mfg. Assn., 2310 S. Walter Reed Drive, Arlington, Va.

Terrazzo Blocks

"Samazo" structural terrazzo building units (not a laminated face unit) are presented in 4-page brochure. Tops, ends, and bottoms are brought to accurate modular dimensions of plus or minus 1/32". Units are available in exterior/interior units and interior/acoustical units in many colors, patterns, and textures. Samson Block & Supply Co., Brooke & Painter Sts., Media, Pa.

On Readers' Service Card, Circle 217

Architectural Domes

Structural geometric domes, available in any over-all size, are shown in 4-page brochure. According to manufacturer, structure costs up to 60 per cent less than other domes of equal size and can be constructed more rapidly by em-

ploying curved rib and tilt-up type construction that eliminates need for staging. Reduction of steel requirement lowers initial paint expense and upkeep. Dome is covered with corrugated aluminum skin, or galvanized iron and translucent panels. All joints are permanently weather-sealed with nonperishing neoprene closure strips. General Conveyor Inc. of Northern California, 1821 Mt. Diablo Blvd., Walnut Creek, Cal.

On Readers' Service Card, Circle 218

Plywood Diaphragms

Booklet, 10 pages, discusses fir plywood diaphragms used to withstand lateral loads that are caused by windstorm or earthquake. Plywood wall, roof, and floor diaphragms are used most commonly in wood frame buildings, and sometimes in masonry or in concrete-walled buildings. Plywood sheathing also is employed as horizontal diaphragms with steel joists. Buildings that range in size up to at least 500,000 sq ft have successfully used diaphragms. American Plywood Assn., Tacoma, Wash.

On Readers' Service Card, Circle 219

Wood Partitions

Booklet, 24 pages, offers movable interior partitions and wall panels that use Goodyear Tire & Rubber Company's "Videne" polyester surfacing film. Nonporous, inert, and dimensionally stable film is factory-applied by heat and pressure to substrate materials. Complete partition/wall panel system is available in 16 wood grains and 34 nonfading, coordinated colors. Color photos, details, and specs of various types of partitions and wall panels, are given. Modern Partitions, Inc., Holland, Mich.

On Readers' Service Card, Circle 220

Doors/Windows

Metal Windows

Series of three 1965 booklets describe custom metal entrances, metal curtain walls, and metal windows. Details, specs, and photos are included. Hupp

Corp., Flour City Architectural Metals Div., 2637 27 Avenue So., Minneapolis, Minn.

On Readers' Service Card, Circle 221

Electrical Equipment

Residential Lighting

1965 residential lighting fixture line is presented in 104 page catalog "M-168." Fixture types include chandeliers, dimmers,



decorative ceiling stylings, pull-downs and chain hung, pendants, decorative glass, bathroom stylings, fluorescent lighting, illuminated ceilings, outdoor lighting and built-in recessed lighting. Within individual product divisions, each fixture is fully described with dimensions and lamp wattage given. Of 754 units illustrated in color, 190 are recently designed. Thomas Industries, Inc., 207 East Broadway, Louisville, Ky.

On Readers' Service Card, Circle 222

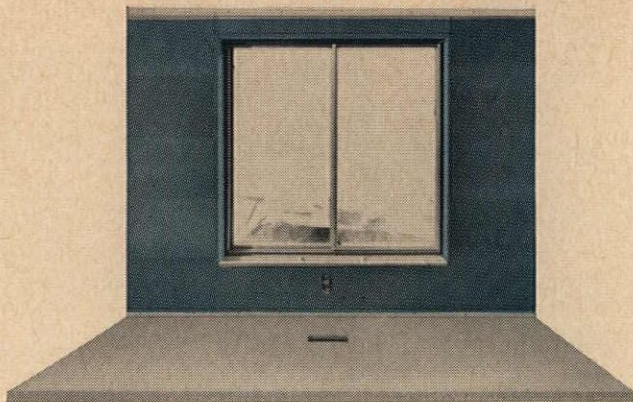
Spec Lighting

Brochure, 4 pages, covers architectural, engineering, and specification lighting. Brochure contains photos, specs, and installation drawings on cast aluminum line of wall brackets, downlights, recessed ceiling lights, and postlights. Marvin Electric Mfg. Co., Devine Lighting Div., 4645 East 11 St., Kansas City, Mo.

On Readers' Service Card, Circle 223

Dimming Lights

Bulletin "L564P" gives full technical data, ratings, dimensions, and specs on "Luxtrol" packaged light control equipment. Packaged compact dimmers are rated from 7200 to 15,000-w and contain all fa-



Remember Styrofoam.

(Specify it to insulate masonry walls. Finish with wallboard or plaster. Costs about the same as furred, uninsulated walls. Good deal?)

You bet! That's one of the things you'll like about Styrofoam® FR brand insulation—its versatility in accepting finishes for masonry walls. Going to specify wallboard? Easy does it. Styrofoam FR applies quickly to walls with the help of Styrotac® bonding adhesive. No furring. Then wallboard goes up. No nails to "pop" or holes to fill.

Or if you're specifying plaster, it can be applied directly to Styrofoam FR. This insulation's textured surface provides an excellent key for wet plaster. And eliminates the need for furring and lathing. Whichever method you use, Styrofoam FR resists the passage of moisture, eliminates the need for a vapor barrier, keeps its low "k" factor. Permanently. The result is a solid, insulated wall at nearly the same cost as a furred, uninsulated wall.

For more facts worth remembering, see Sweet's Architectural File 10a/Do.

Or write us. The Dow Chemical Company, Plastics Sales Department 1311EB4, Midland, Michigan.

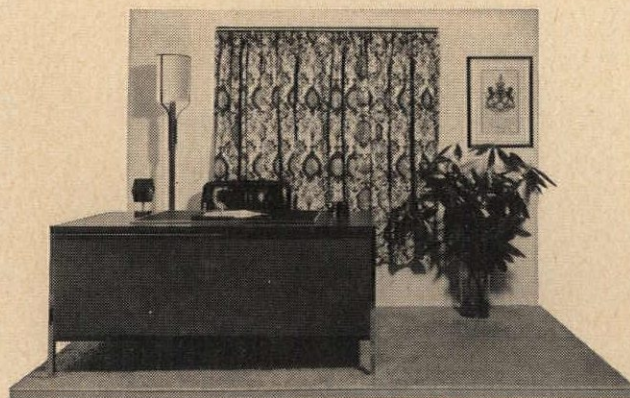
Styrofoam is Dow's registered trademark

for expanded polystyrene produced by

an exclusive manufacturing process.

Accept no substitutes . . . look for this trademark on all Styrofoam brand insulation board.

On Readers' Service Card, circle No. 344



O.K. Now forget it.

(You'll never have to worry about it again.)



cilities needed for professional dimming, brightening, and blending of light. First series has six 1200-w independent circuit controllers with or without separate 6000-w master. Second series has 2500-w controllers with three, four, five, or six controllers that can be used independently or interlocked in any combination for control in unison. Luxtrol packaged light controls are UL listed and used in churches, schools, theaters, etc. Superior Electric Co., Bristol, Conn.

On Readers' Service Card, Circle 224

Night Light

Fluorescent/incandescent prismatic night light, called "Power Candle," is described in 4-page brochure. Unit projects sheet of light across lower part of room or corridor eliminating discomfort-rays of light to the eyes. Power Candle has brushed aluminum finish and double gasketing, which eliminate possibility of light leakage. It can be mounted in framed wall opening or in standard plaster frame. Photometric data and

specs are given. Holophane Co., Inc., 1120 Avenue of the Americas, New York, N.Y.

On Readers' Service Card, Circle 225

Acrylic Tube Lighting

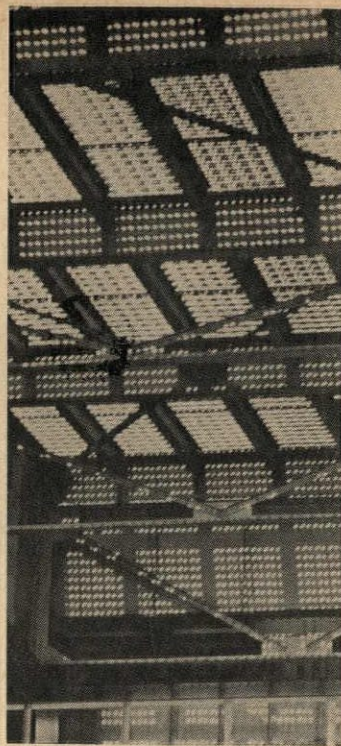
Manual, 8 pages, entitled "Cast Acrylic Tubes, Rods, and Massive Castings," describes shapes used in production of lighting fixtures, architectural detailing, and decoration. Physical and mechanical properties of cast acrylic shapes and their resistance to chemicals are charted. Special graph illustrates burst resistance of acrylic tubing of various wall thicknesses. Cadillac Plastic & Chemical Co., 15111 Second Ave., Detroit, Mich.

On Readers' Service Card, Circle 226

Finishes/Protectors

Aluminum Paint Guide

"Aluminum Paint Manual," 25 pages, discusses selecting and using aluminum paints. It details in chart form uses of aluminum paint for various surfaces including metal, masonry,



wood, high-temperature and decorative materials. Manual concludes with paint table for appropriate brush or spray application of three types of aluminum paint on 15 different surfaces. Aluminum Co. of

America, 797 Alcoa Bldg., Pittsburgh, Pa.

On Readers' Service Card, Circle 227

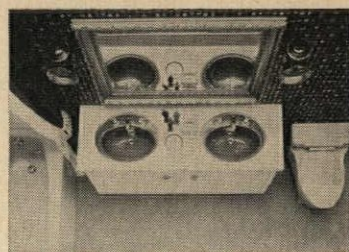
Furnishings

Lab Furniture

File folder includes series of catalogs on standard lab furniture, fume hoods, fixture accessories, and educational lab furniture and equipment. Photos and specs are given. Duralab Equipment Corp., 303 Stanley Ave., Brooklyn, N.Y.

On Readers' Service Card, Circle 228

Sanitation/Plumbing



Colored Sinks

Five solid "Accent" colors are used with lavatories to contrast

To Highlight

Beauty

ADJUSTABLE
RECESSED UP LIGHTS



by
KIM

Model 3-006

Unmistakable quality is apparent in this all cast aluminum, adjustable, recessed up light with walk-over or convex lens and integral junction box. Designed for flush-mounting in ground or concrete. Ideal for illuminating beautiful trees, building facades, textured walls.

See Sweets 32/B.



KIM LIGHTING & MANUFACTURING COMPANY, INC.

1467 NO. LIDCOMBE EL MONTE, CAL. CU-3-7621

Manufacturers of display fountains, landscape, swimming pool and mall lighting.

On Readers' Service Card, circle No. 367

Look to **TECO**

... for the finest in wood
fasteners and building systems

TECO U-GRIP JOIST HANGERS

½ the cost of
old style hangers

Available for 2x4's
to double 2x14's



TECO TRUSS CONNECTORS

Two types available —
plate and ring
connector



Comprehensive design
and fabricating data
supplied without charge



TECO TRIP-L-GRIP ANCHORS

Provide more efficient
framing of roofs, walls,
floors and ceilings

Precision formed
in six types for
practically any
wood connection



Look at **TECO's**
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Truss Plates
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Utility Angles
Clamping Plates
Cantilevered Hangers
Siding Fasteners
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... all designed for
use with wood

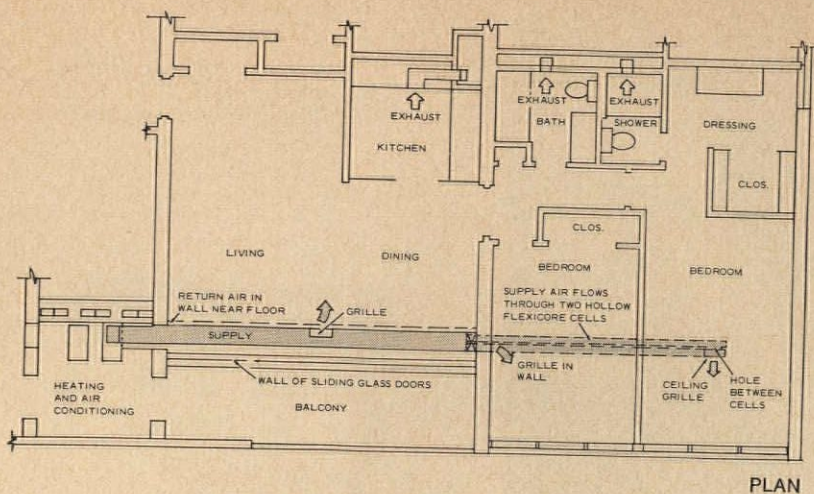
Send for **FREE**
Catalog



Over 150 national distributors

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1619 Mass. Ave., N.W., Washington, D. C. 20036

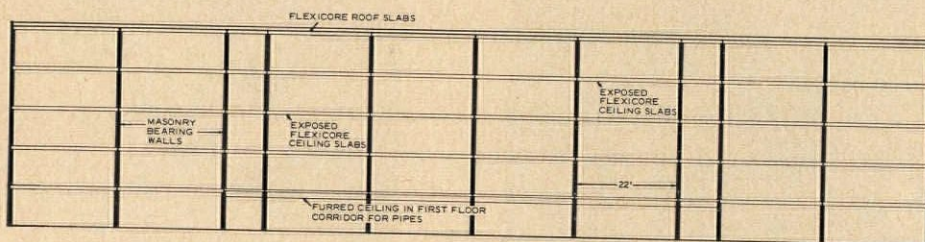
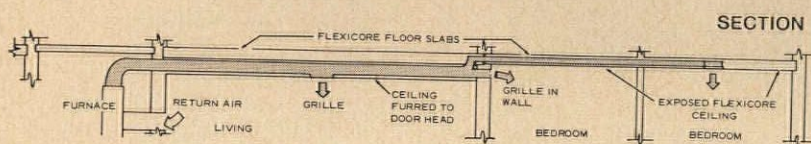
On Readers' Service Card, circle No. 414



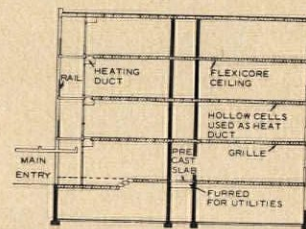
Heating And Cooling Thru Hollow Concrete Floor Cells At New Americana

One 25-foot length of metal duct, which serves the living room and feeds into hollow Flexicore ceiling cells, will be the complete air distribution system for each of the 2000 apartment units at Americana Landmark, Baltimore.

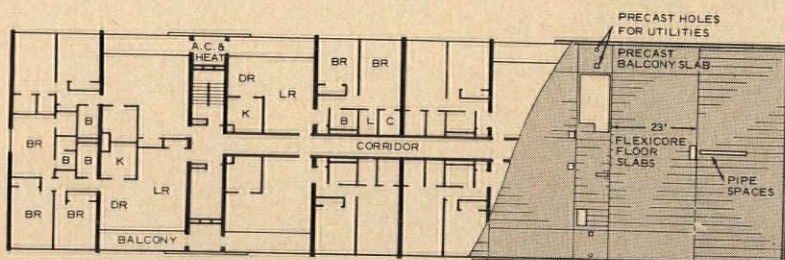
Each unit has its own heating and cooling system in an adjoining equipment



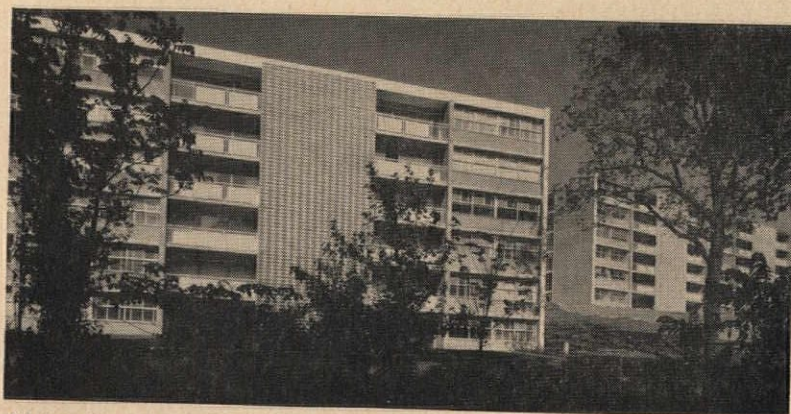
LONGITUDINAL SECTION. Flexicore decks clear-span 22 feet between bearing walls, which are located to separate individual apartment units.



CROSS SECTION. Precast decks, balconies simplify construction.



FRAMING AND FLOOR PLAN. Most apartment units are two bedroom. One and three also available.



All Americana Apartments are located in parklike surroundings.

closet. Return grille is in living room wall, and feeds directly into the heating-cooling unit.

Exhaust fans in kitchen and bath provide circulation to these areas.

Hi-Stress Flexicore slabs, prestressed with high-tensile 7-wire stress-relieved stands, clear span 22 feet between bearing walls and give fast erection, firesafe structure, and attractive panelled ceilings. Hollow concrete decks, plus 1/2" rigid insulation, wood parquet flooring and wall-to-wall carpet kill floor-to-floor sound.

Americana Luxury Apartment Communities now operate over 5000 rental units, principally near Baltimore and Washington.

Ask for Flexicore Fact 101 for complete report on this project. Write The Flexicore Co., Inc., Dayton, Ohio 45401, or look under "Flexicore" in white pages of phone book.





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Surfaces of **VIDENE** by

GOODYEAR

For the complete story, write Modern for your copy of their new 24-page brochure in full color.

MODERN PARTITIONS INC. / Holland, Michigan 49423

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or harmonize with both tubs and water closets. Oval, round, or rectangular lavatories use Accent colors, which are available in brown, green, blue, yellow, and red. Brochure illustrates how lavatories are combined with these colors in several bathroom color schemes. Kohler Co., Kohler, Wis.

On Readers' Service Card, Circle 229

Special Equipment

"Wall-less" School Film

"Schools for Today and Tomorrow" is film narrated by tv newsmen Chet Huntley. It features "wall-less," open-area classroom developed to create flexibility and multispace use for three or more classrooms. Also featured are contract carpets made with "Acrilan" acrylic fiber and "Cumuloft" nylon. Film is available to school



boards, architects, and other interested professional groups. Chemstrand Co., 350 Fifth Ave., New York, N.Y.

On Readers' Service Card, Circle 230


Liturgical Art

Applications of liturgical art in actual installations are shown in color and black and white in 24-page booklet. Designs include stained glass, faceted glass, mosaic murals, lighting, statues, tabernacles, and fittings. Conrad Schmitt Studios Inc., 1327 South 43 St., Milwaukee, Wis.

On Readers' Service Card, Circle 231

Coiling Walls

Booklet, 8 pages, describes in detail "Coil-Wal" partitions. Entire partition is side-coiled into its own coil-box when not needed. Coil-box may be completely concealed behind fixed wall or included as part of fixed wall by giving it same surface treatment or décor. Partition traverses curves and is



... ZIP!
we're giving you
the tightest seal
at the lowest
installed
cost!

And that goes wherever STANLOCK goes... horizontal, vertical or grid... using any combination of panel materials... or as Neoprene "windows" with or without vents. STANLOCK's exclusive open-lip design—plus the *separate* harder locking strip—is the most effective sealing mechanism developed. That's why STANLOCK is the only structural gasket you'll find at the World's Fair... the latest triumph since more than a decade ago when STANLOCK was chosen to seal the curtain wall of the GM Technical Center in Warren, Michigan! For details, write for the 20-page STANLOCK catalog, or consult Sweet's Architectural File 3c/St.

The Standard Products Co.

/StanLock Gasket Department/Port Clinton, Ohio
On Readers' Service Card, circle No. 409

STANPRO

WHERE YOUR SEALING
IS UNLIMITED

eth'ics

Ethics. Where have they gone?

Ethics, says the dictionary, is "the science of human duty; moral science."

In today's world, so complicated with gadgetry and machines that we often lose sight of others and of our own best selves, it isn't always easy to keep "human duty" in mind.

As life gets more complicated, men lose their sense of identity, value and purpose. Life, in a sense, becomes "cheap" and "unimportant." And with that, it becomes ever easier to take the easy way, to ignore the principles of right—and our human duty to others.

The one place where human values are kept in proper focus is where you worship. Nowhere is the individual more valued. *And if you care*, the place where you worship can become, with your help, a rallying point for lifting all the deteriorating values you see around you. Worship this week—and put your faith to work *all* week.

Worship this week



RELIGION IN AMERICAN LIFE

Published as a public service in cooperation with The Advertising Council and Religion in American Life

available in single spans or center-parting. Single units have been made up to 150' wide by 20' high. To handle large installations, electrical control as well as hand crank operation are offered. In addition to basic select fir, Coil-Wal is produced in flame-proofed fir, mahogany, oak, birch, and high-impact plastic laminate. New Castle Products, Inc., New Castle, Ind.

On Readers' Service Card, Circle 232

Spires/Crosses

1965 catalog, 8 pages, describes design and construction of church spires and crosses. Specs



are given for crosses and five basic types of steeple and spire construction. Design variations are illustrated by 25 photos of actual installations. Overly Mfg. Co., 574 W. Otterman St., Greensburg, Pa.

On Readers' Service Card, Circle 233

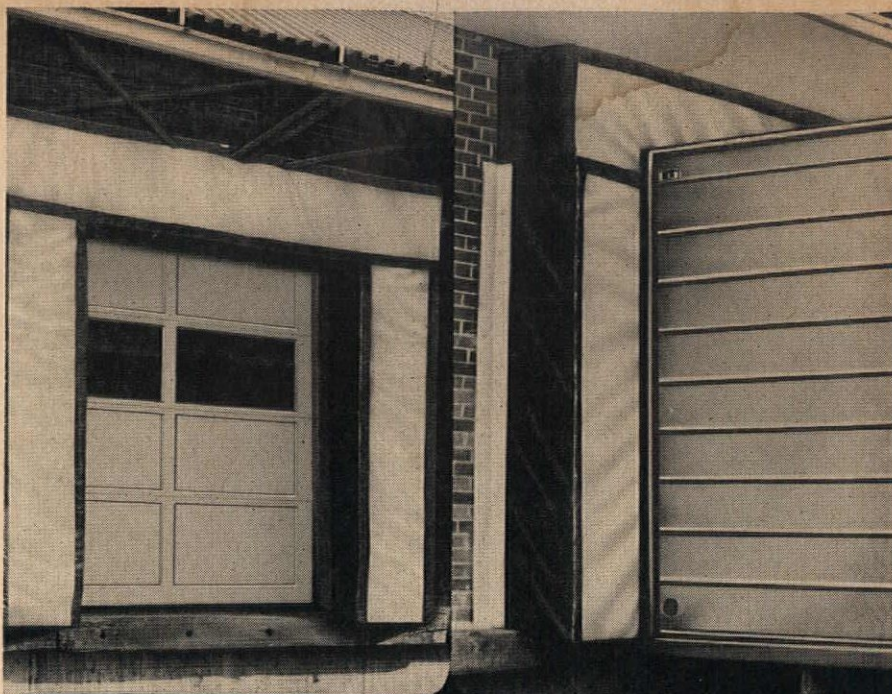
Templates

Catalog describes over 440 templates. Among those illustrated are ellipses, squares, and triangles; electrical, mechanical engineering, and architectural; lettering; structural shapes; and specialized types. Catalog contains every template made by leading American manufacturers. A. Lietz Co., P.O. Box 3633, San Francisco, Cal.

On Readers' Service Card, Circle 234

Housing for Animals

Housing for laboratory animals is described in loose-leaf catalog. Floor plans, details, and photos of cages and other equipment are included. Individual reports on animal housing problems will be prepared on request. Animal Welfare



Processed air areas need CRAWFORD DOR-SEAL
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1 WHAT DOR-SEAL IS. Crawford Dor-Seal is a system of compressive polyether foam bolsters, encased in weatherproof, practically wearproof, material installed around door openings where trailers and trucks are loaded or unloaded.

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3 BENEFITS. Virtual elimination of loss of expensive processed air can save more than \$700 per year when Dor-Seal is mounted on a 10' x 10' truck loading door; \$300 on an 8' x 8' door. Other savings include reduction in employee absenteeism due to sickness resulting from cold and drafts; steadier production due to better working conditions; better product quality control due to exclusion of air-borne contaminants, including insects; lower operating costs through elimination of damage to trailer and truck doors and hinges.

4 FOR MORE INFORMATION call your local Crawford dealer (look in the Yellow pages under DOORS) and ask for Dor-Seal illustrated brochure CD-3196B or write us direct. Crawford Door Company, 4270-3 High St., Ecorse, Mich. 48229.



Crawford DOR-SEAL
Stops the leaks that drain profits away

On Readers' Service Card, circle No. 463

Institute, 22 E. 17 St., New York, N.Y.

On Free Data Card, Circle 235

Surfacing

Acrylic Fiber Carpet

"Why Specify Carpets Made With Acrilan?" is title of recent publication. Acrilan fiber carpets give about 10 per cent more cover than wool, pound for pound. It has 1.5 per cent moisture absorption, compared with 16 per cent for wool.

Acrilan resists most common stains, moths, mildew. It is nonallergenic and does not produce static electricity build-up. Color photos of actual installations are shown. Chemstrand Co., Decatur, Ala.

On Readers' Service Card, Circle 236

Teakwood Flooring

Teakwood parquet flooring in variety of patterns is illustrated in 6-page brochure. Teak or "Tecona Grandis" resists vermin, termites, dry rot, and decay. It can be applied to concrete, plywood, terrazzo,

asphalt tile, ceramic tile, or wood subfloors. Designed Wood Flooring Center, Inc., Teakwood Flooring Co. Subsidiary, 299 Madison Ave., New York, N.Y.

On Readers' Service Card, Circle 237

Custom Carpets

Twenty-four page brochure, in color, illustrates possibilities for carpet design from Bigelow's custom service division. Carpets and rugs can be made to order in any size, design, color, or texture. Stylist Dorothy Liebes has added 16 designs to the group; other patterns are

originated in the Bigelow Design Studio. Bigelow Custom Carpets, Inc., 150 Madison Ave., New York, N.Y.

On Readers' Service Card, Circle 238

Floor/Wall Tiles

Full line of "Romany Spartan" glazed and unglazed floor and wall ceramic tiles is shown in 28-page color booklet. Orsan II 1964 line of 15 earth tone natural clay ceramic floor tiles and heavy-duty pavers are shown. Patterns of "Ceramaflex," a 9" x 9" unit made up of 64 tiles permanently bonded in preformed rubber grid, are included. Recommendations in 32 color design schemes are given for use with eight major plumbing manufacturers' colored fixtures. Large unit trim assembly details are also included. U.S. Ceramic Tile Co., 217 4 St., N.E. Canton, Ohio.

On Readers' Service Card, Circle 496

Laminated Plastics

Properties of "Micarta," a laminated plastic made by Westinghouse, is described in 24-page booklet. Information on colors, grains, finishes, patterns, and physical properties are given. Details, color photos, and specs are included. U.S. Plywood Corp., 777 Third Avenue, New York, N.Y.

On Readers' Service Card, Circle 497

Three-Dimensional Tile

Interior/exterior "3D Relief Tile" is illustrated in 8-page booklet. Designed by Swedish sculptor Torsten Treutiger, tiles can be used as walls, under window panels, and balcony walls in single or group patterns. Face is about $7\frac{3}{4}$ " x $3\frac{3}{4}$ " in size. Thickness is $\frac{5}{8}$ " at edge and $1\frac{3}{16}$ " over-all. Hoeganaes Ceramic Corp., Taylors Lane, Riverton, N.J.

On Readers' Service Card, Circle 498

Outdoor/Indoor Carpet

Brochure describes outdoor/indoor carpet made of "Vecta" polypropylene fiber (manufactured by The Vecta Co. of N.Y.). It resists bleaches, inks, and weather. Carpet does not rot, shrink, or mildew. Hosing, scrubbing, or vacuuming dispels residue. Fiber is nonaller-

As soon as the warmth of redwood greets the traveler, he knows he has made a fortunate choice in his motel accommodations. An informative booklet, "REDWOOD COMMERCIAL STRUCTURES", is available for presentation to your clients and prospects. Write Dept. 70-A, California Redwood Association, 617 Montgomery Street, San Francisco 11.



Santa Rosa

Santa Rosa® is a registered trademark of the CALIFORNIA REDWOOD ASSOCIATION describing the economical board on batten paneling system seen pictured above.

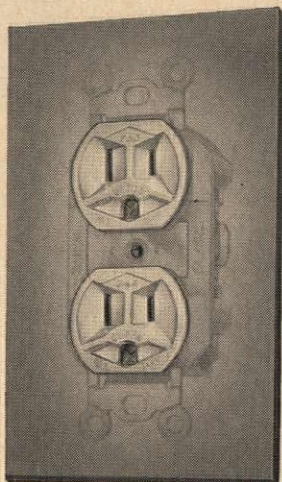
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Like all P&S Super Outlets, the 6207 (15 amp. 125 volt) has individually recessed, reinforced contacts and a dead back safety feature.

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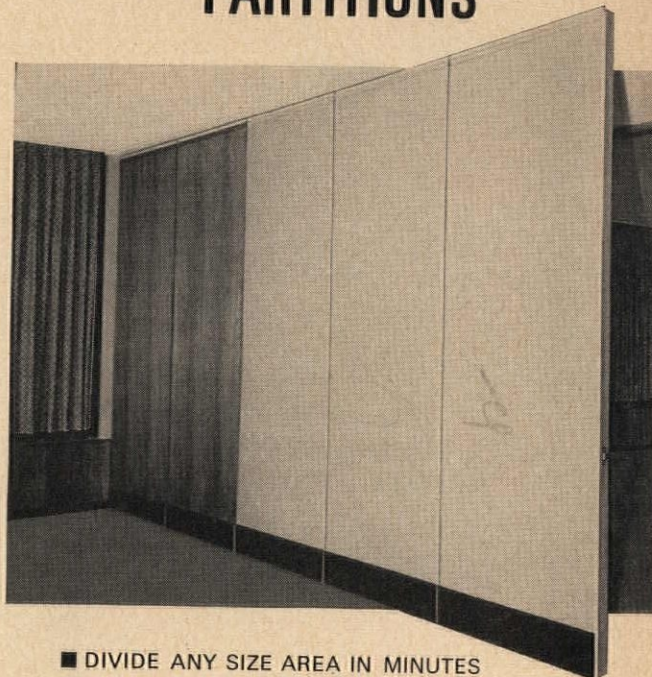
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APRIL 1965 P/A

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Planning a new project? . . . a remodeling job? . . . Get full utilization out of every square foot of that costly space. Minimize fixed walls that limit area function and increase both construction and operating costs. Plan the job around versatile Brunswick Folding Partitions. Seven types to choose from, including the new 700 Series Acoustic Dividers with sound retarding qualities as good as *or superior to* a permanent wall. Send for details today.

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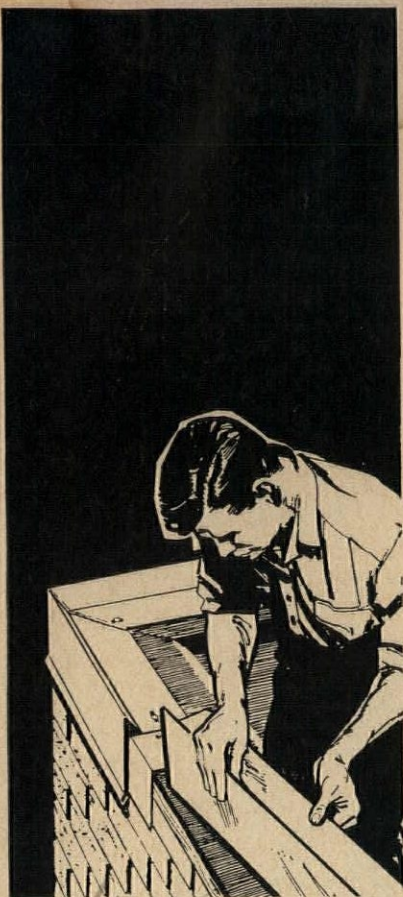
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P/A News Report 109



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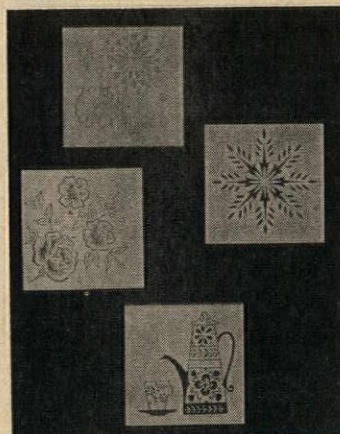


genic and nonstatic. Nine colors are available including "Terrace Green," "Cardinal," "Bronze," "Regal Blue," "Brownstone," "Avacado," "Charcoal," "Oatmeal," and "Sapphire." Ozite Corp., 7-120 Merchandise Mart, Chicago, Ill.

On Readers' Service Card, Circle 499

Tile Designs

Brochure offers 14 recently designed decorative tile patterns. All but four of tiles are available in four different background colors. Tiles, 4 1/4" x 4 1/4", can be spotted at random to accent solid color wall, grouped in patterns, or used to create over-all wall effect. This decorative tile line offers these designs on "Romany Spartan



Levelset" wall tile. All four sides of Levelset tile are precision-ground for exact squareness. Levelset tile also has special edge design that locks grout in. U.S. Ceramic Tile Co., 217 Fourth St., N.E., Canton, Ohio.

On Readers' Service Card, Circle 500

PROGRESSIVE ARCHITECTURE NEWS REPORT

REINHOLD PUBLISHING CORPORATION

430 Park Avenue, New York, N.Y. 10022

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Senior Editor....James T. Burns, Jr.

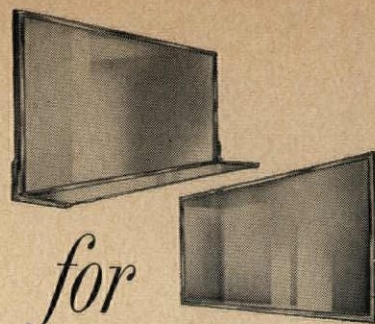
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fun

Some critics minimize the validity of private home designs as serious architectural exercises. "Too subject to whim and fancy", they say. But most practicing architects don't agree. To them, houses are professional "fun". And, in right doses, fun is not all bad.

The May issue of **PROGRESSIVE ARCHITECTURE** provides both sides of the story: the experts' dim view of houses as valid commissions for the successful architect vs. the working profession's own feelings on the subject. That's how P/A covers the subject, i.e. picture-stories on nine outstanding house designs and serious thought on the entire subject of the architect's role in single-house design.

Send your \$5 subscription check immediately and you'll receive the exciting May issue of **PROGRESSIVE ARCHITECTURE** and eleven more, including the January Designs Awards issue. Address Circulation Department, **PROGRESSIVE ARCHITECTURE**, Reinhold Publishing Corp., 430 Park Avenue, New York, N. Y. 10022.

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Planning a shower room? It will pay you to get together with Bradley!

For details, see your Bradley representative. And write for latest literature. Bradley Washfountain Co., 9141 Fountain Drive, Menomonee Falls, Wis. 53055.



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Why did we put our heads together?

TO SAVE MONEY!

