

PROGRESSIVE ARCHITECTURE FEBRUARY 1966

NEWS REPORT

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

Beautifying Columbus

COLUMBUS, IND. Public spirit runs deep in Columbus, and so does a belief in good design. The latest step in a series of plays (see p. 58, JUNE 1965 P/A) that may make Columbus one of the handsomest small towns (population 20,788) in the U.S., is the donation of the services of Kevin Roche to the U.S. Post Office. Columbus wants a new Post Office building, and the Cummins Engine Company, which has its headquarters here, is paying Roche's fee. Roche, a partner in Eero Saarinen & Associates, was a member of P/A's Design Award jury in 1965. And according to Postmaster General Lawrence F. O'Brien: "As far as we know, this is the first time the services of a nationally prominent architect have been donated to the Post Office Department." It is a welcome move.

Robert Weaver: New Hope for Old Problems



WASHINGTON, D.C. January 13 was not a Friday, and it was not unlucky for 58-year-old Robert C. Weaver. On that day, the President made him Secretary of the new Department of Housing and Urban Design (HUD). As such, Weaver will have been appointed to the highest governmental office ever held by a Negro. But his appointment signifies much more than that. A veteran of 33 years of government service, Weaver has a

tremendous backlog of experience: three Harvard degrees (a doctoral thesis on "The High-Wage Theory of Prosperity"); race relations advisor to Secretary of the Interior Harold L. Ickes in 1933; special assistant for the FHA from 1937 to 1940; teaching posts at N.Y.U. and Columbia in New York; New York State Housing Commissioner under Governor Hariman; N.Y. State Rent Administrator, Vice-Chairman of Robert Wagner's Housing and Redevelopment Board; and, lastly, Administrator of HHFA. Weaver's philosophy throughout has been that good housing makes good economic sense. "Perhaps the most difficult task," he has commented, "is to get people in a metropolitan area to realize that [the city] is an area and that a rotten core represents a threat to the whole area. The suburban satellites are dependent on a central city that has a sound economic base and a vibrant, exciting cultural character." With Weaver as HUD Secretary, maybe our cities will be thus transformed.

To Build Or Not to Build

WASHINGTON, D.C. During 1966, about one million families will move into new houses. This prediction comes from the National Association of Real Estate Boards, which also foresees 2.5 million families buying and moving into homes already built and occupied. By the end of the year, the inventory of occupied housing units will reach 59 million; about 62 per cent of these will be owner-occupied.

One factor leading to greater housing unit occupancy has been an increasing inclination of elderly persons to live alone after the death of a spouse, rather than joining a family group. Another unprecedented factor is the increasing frequency with which young unmarried individuals move away from the family home. According to Catherine E. Martini, NAREB's director of re-

search, "Attitudes and values derived from the longest peacetime expansion in history will influence decisions to a growing degree. Choices between buying and leasing, be-

tween moving and renovating, between waiting and acting, between investing in fixed yield or equity securities, will be increasingly sensitive to psychological factors."

FAREWELL TO A CREATIVE SPIRIT

NEW YORK, N.Y. Speaking at the funeral, René d'Harnoncourt, director of the Museum of Modern Art, remarked that "for more than 50 years, he moved always in the forefront of his contemporaries." Philip Johnson called him "the greatest non-building architect of our time." Speaking for himself while still alive, Frederick J. Kiesler claimed, "I am interested in life, not architecture." Yet he was the first to design a theater in the round, the first to conceive the spiral concept in architecture (beating Frank Lloyd Wright), and the first to build on stilts (before Le Corbusier). He died last December at the age of 75, his life's book, *The Endless Search*, still unfinished and his lifelong project, the Endless House (photo; also see pp. 104



Photo: Hans Namuth

-123, JULY 1961 P/A) still not built. Friends and devotees of the poet-sculptor-architect gathered to pay tribute to the man. The Julliard String Quartet played, poems and speeches were read. And painter Robert Rauschenberg delivered a Pop Art tire as his silent eulogy.

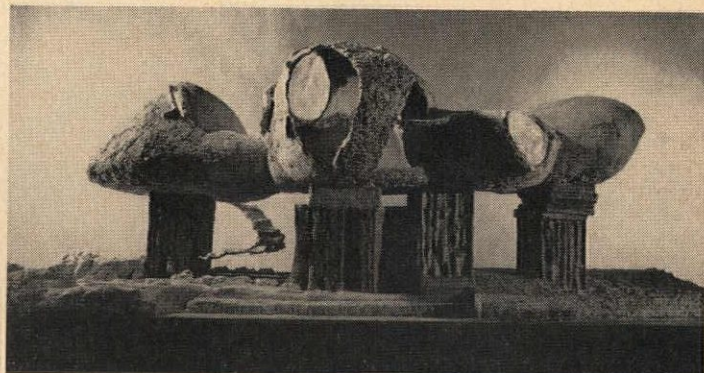


Photo: Courtesy, The Museum of Modern Art

Stone Designs for Arabian Flights

JIDDA, SAUDI ARABIA. The office of Edward Durell Stone has on the boards two airports for this oil-rich desert nation. One at Jidda, a seacoast town 20 miles from the holy city of Mecca; another, specifically for the use of King Saud and his retinue, is in the capital city of Riyadh.

At Jidda, the Stone office is designing two terminals. One will be for the masses of pilgrims who are making the annual journey, or "Haj," to Mecca to kiss the holy stone, shrine of Muhammed, prophet of Allah, whom the devout believe to be the one true god. Although this terminal (1) is

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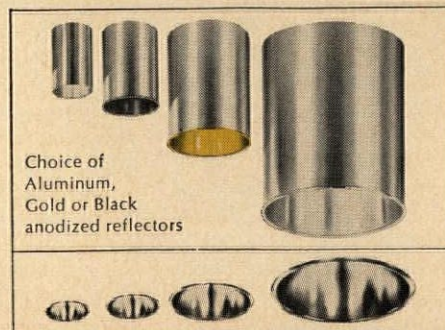
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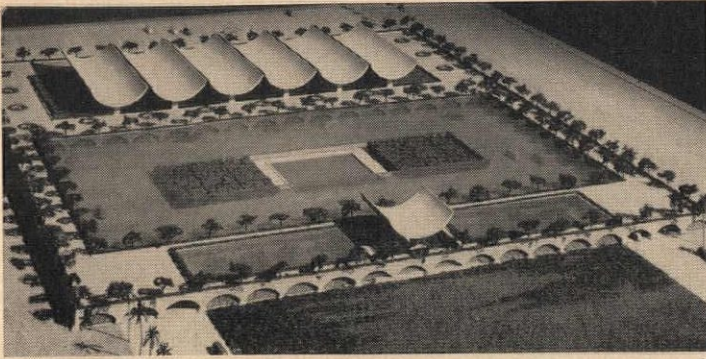
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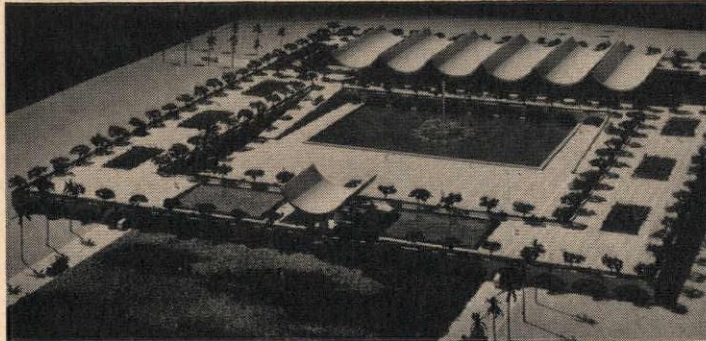


capable of handling 1200 to 2000 persons per hour during the month of Haj, its exterior

terminal, buses carry them to Mecca, 20 miles away. Buses and cars enter the terminals on



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design is identical to that of the terminal for the everyday tourist trade that faces it (2) across the landscaped rectangle of earth. The only ostensible exterior difference will be the size of the pools that front the terminals and that stand between each terminal and the small mosques facing them. The pool in front of the Haj terminal is smaller and lacks a fountain. The interiors of the terminals are differently designed, since the one used

the lower level, where, because of Arabia's searing heat, interior parking is provided. Special provision is also made for the king, who has a private room in each terminal. At Riyadh, of course, the entire terminal is designed with the king's privacy and dignity in mind. There (3, 4) the concrete roof sections are convex instead of concave as they are at Jidda. Otherwise, the exterior arrangement of all three terminals, with reflecting pools



3



4

by the pilgrims is set up to handle masses of persons, much the way supermarkets are, and arriving and departing passengers are processed through turnstiles. From the

and mosques, is the same. All buildings will be constructed of concrete, 80' on center, with arches on the lower level, probably filled with concrete grill work.

Thompson Opens His Own Office

CAMBRIDGE, MASS. On January 1, Benjamin Thompson, a founding partner of The Architect's Collaborative and chairman of the department of architecture at Harvard, left TAC to set up an independent architectural practice. He hopes that, in a smaller office, he will have more time for his teaching and administrative duties at Harvard, as well as more time for design.

Thompson is associated with Thomas Green, Joseph Maybank and Eliot Rothman in the new firm of Benjamin Thompson & Associates. Already its string of commissions is impressive. It includes buildings for Kirkland College, a new



women's extension of Hamilton College in Clinton, N.Y., and buildings for Williams College, Brandeis University, Bennington College, Amherst College, and Andover Academy.

Want to Buy a Beanery?



NEW YORK, N.Y. For some weeks, gallery-hoppers in this city have had a chance to see Ed Kienholz's version of total-experience-give-a-message kind of art. The artist has built a beanery complete with customers, music, smells, and sweaty beers. To do it has taken him six months, lots of fiberglass and epoxy resin, real live props like a \$600 mink stole, a stuffed poodle, canned music featuring Johnny Mathis, and stale bacon grease blown through a fan to simulate the smoky awfulness of close places. His model was Barney's Beanery on Santa Monica Boulevard in Los Angeles, and Kienholz has done his best to

recapture its authenticity. He has even gone so far as to buy a new phone booth for the L.A. hangout so that he could have the real thing for his 6'x22'x7½' wonder. The bar is filled to capacity with 14 clock-headed patrons whose faces read 10:10. "That way they look like eyebrows," he explains. The clocks are meant to emphasize "surrealist time . . . where people waste time, lose time, escape time, ignore time."

After its New York showing, the Beanery will wend its way back to the Los Angeles County Museum, where it will remain on permanent loan—that is, unless someone buys it.

P/A Design Awards Luncheon Held in L. A.

LOS ANGELES, CALIF. Speaking at PROGRESSIVE ARCHITECTURE'S 13th Annual Design Awards luncheon, held in this city on January 10, Louis D. Gill, who represented Los Angeles' Mayor Yorty and is Chairman of the Board of Public Works, told a Frank Lloyd Wright story. According to Gill, when asked what he

thought about Los Angeles architecture, Wright replied: "I don't think about it, and I don't think anyone else thinks about it either."

The Wrightian reference was particularly appropriate, for the luncheon was held in a house Wright designed in 1919, Hollyhock House, located in Barnsdall Park, a hill-

top site overlooking downtown L.A. Now owned by the city, the house is maintained as a

DMJM design of a mountain-top community by calling it a "brilliant concept." Dr. Grant



From left to right: P/A Editor Jan Rowan, Cesar Pelli, Tef Kutay and Anthony J. Lumsden, all of Daniel, Mann, Johnson & Mendenhall, Frank Lyon of Sunset Petroleum.

meeting and show place.

More than 100 architects, planners, and representatives of building product firms ate lunch at tables set up in the



Jan Rowan speaking at Hollyhock House luncheon.

living room, saw P/A's Editor Jan C. Rowan present the design awards, and heard a project presentation by Cesar Pelli



George Dudley, Dean of UCLA, and Dick Matteson of Daniel, Mann, Johnson & Mendenhall.

of Daniel, Mann, Johnson & Mendenhall, winners of the First Design Award for the design of an urban nucleus for Sunset Mountain Park.

Gill's remarks about Wright were additionally apt since this marks the first time in the history of the Design Awards Program that a First Design Award winner has come from southern California.

P/A's publisher, Philip H. Hubbard, Jr., welcomed the guests. Speaking for the jury, William Conklin summed up the jury's feeling about the



Sam Hurst and Harold Hauf.



Louis Dodge Gill, Commissioner of Public Works in Los Angeles.

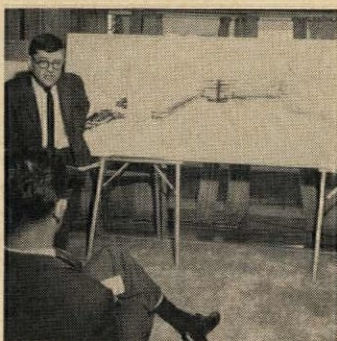
Manson, Associate Dean of the Department of Architecture at the University of Southern California, spoke briefly on Hollyhock House, which, he said, is the only example of Wright's first California period accessible to the public.

Also present at the luncheon were Dean Sam Hurst of the Department of Architecture at USC; George Dudley, dean of the newly established School of Architecture and Urban Planning at UCLA; John A. Monning, director of the Department of Building and Safety, City of Los Angeles; Donald Hardison, president of the California Council of the AIA; and Calvin Hamilton, Director of City Planning, City of Los Angeles.

Others present to receive awards, despite the luncheon's



George Vernon Russell, David Travis, Carl Maston, MacDonald Becket, Edward Killingsworth.



William Conklin, member of P/A Design Awards jury, discussing the First Design Award.

West Coast location, included Troy E. West and Richard M. Gensert, whose Lower Hill Development project for the Citizen's Committee for Dis-

trict Renewal in Pittsburgh, Pa., won an urban design Award. George Dudley accepted an education Award for Davis, Brody & Associates for their Science Building No. 2 for State University of New York. And William Turnbull, of Moore, Lyndon, Turnbull, Whitaker, was present to accept a recreation Citation for the Sea Ranch Athletic Club, Sea Ranch, California.

Following lunch, Cesar Pelli, who was director of design on the DMJM Sunset Mountain Park project, made a presentation of the project with the aid of renderings and plans, and juror William Conklin led a discussion of it.

Architectural Midwifery

KATHMANDU, NEPAL Roelf Goetz, who spent two years as an architect with the Peace Corps here, found the Nepalese receptive to good design, but, like many people elsewhere, unwilling to put in the time and expense to translate design into stone and mortar. Goetz was free to accept requests for his services, checking his projects with the Peace Corps director in Nepal.

Before joining the Peace Corps, Goetz had gone through the Graduate School of Design at Harvard, spent a year doing construction work, and a year and a half in an architectural office in Cambridge. His most valuable experience, he feels, was in learning how to muster enough self-confidence to live up to his clients' "image of one who can help them solve all problems: how thick to make a

lime mortar stone wall when the strength of the rock is unknown and the lime dubious, or how deep to carry the foundations in soft soil." In short, it seemed a condensed course in how to act like an architect in the field. "If you cannot give them confidence," writes Goetz, "then you have no job."

In at least two of his Nepalese projects, Goetz was more than just an inspirer of confidence. In one project, for instance, a permanent college building to replace a row of thatched huts outside Pokhara, Goetz describes his role as that of "midwife." It was broader than merely being the architect, he says. He was, besides, "advisor on fund-raising and counselor on how to promote new ideas on the one hand and demonstrator of building practices to the masons and carpen-

ters on the other." Not the least of his tasks was convincing the college's dean that a vast multistory building, with pagoda roofs, financed by "gifts from abroad," was im-



practical. What emerged is an eight classroom building (1), constructed of fieldstone and lime mortar. (What little cement was used, for lintels, had to be flown in.) The roof is of local slate.

Another of Goetz's projects was a dormitory for 150 students (2) set among the rice paddies of the Kathmandu Valley. Here, brick bearing walls in cement support concrete slab floors. His main



contribution, he feels, was in showing the Nepalese that an attractive building does not depend on fancy, imported materials. In Nepal, in a variation of a universal attitude, appearance and acceptance depend on a novel façade. "In a new Nepalese building," Goetz writes, "much effort will be used to put on a thin cement plaster veneer to give the impression of a reinforced concrete building, just as in the U. S. we put an expensive brick veneer on a concrete building."

THE CONCERNED CUSTODIAN

LOS ANGELES, CALIF. For 20 years, Edward Smith has been caretaker of Hollyhock House, the Frank Lloyd Wright-designed dwelling in Barnsdall Park—scene of P/A's 13th Annual Design Awards luncheon (facing page). Smith cares for the house with zeal. "It has been the most meaningful thing in my life," he says, and for the P/A luncheon he displayed the care he lavishes on it by spending six hours placing dining tables in the living room, searching for the arrangement that would show off the room best and accommodate the 100 guests most comfortably. He even personally fitted each flower into the huge speaker's table centerpiece. Because of his duties, Smith has developed a concern for good architecture and become a devotee of the works of Frank Lloyd Wright. His vacations have included trips to New York City to see the Guggenheim Museum, and to Racine, Wisconsin, to visit the Johnson's Wax headquarters. Smith is obviously proud of

Hollyhock House and pleased with the attention that architects and students give it. He speaks of it with the same blunt fondness that a husband might use in describing a wife of 50 years. "It's really not all it cracked up to be," he confides; "when it rains, the roof leaks."

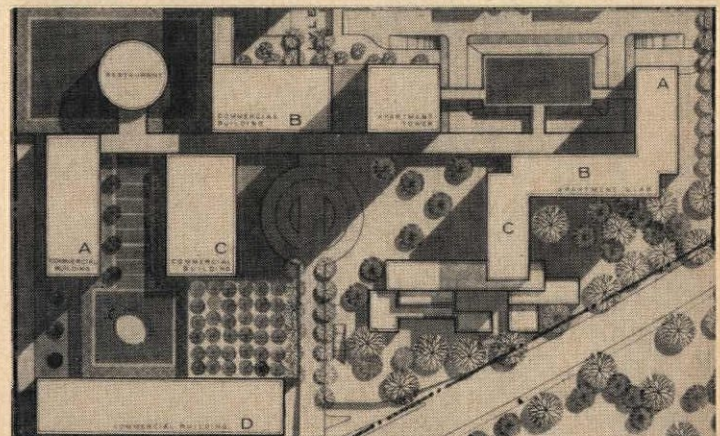
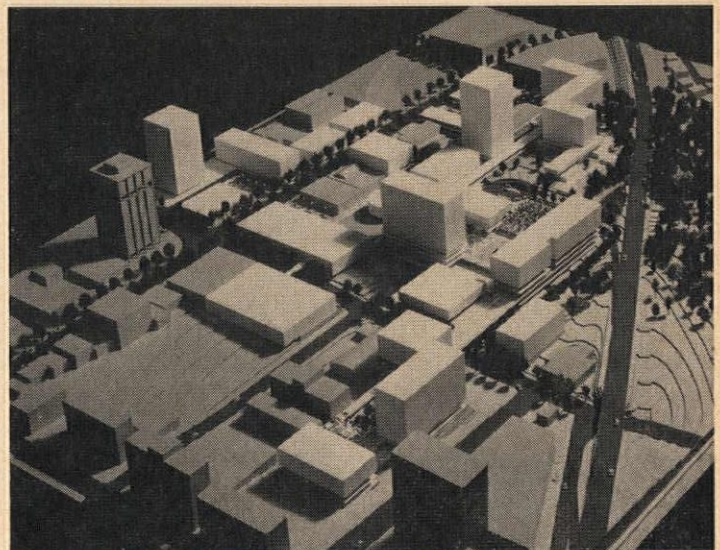
Schools

Students in the Architecture and Architectural Engineering Department at California State Polytechnic College have recently acquired \$12,000 for student loans. The Cal Poly AIA chapter donated an initial \$1000, which was matched 12-to-1 by the United Student Aid Fund. . . Those interested in attending the Seminar for Historical Administrators sponsored annually by the National Trust for Historic Preservation should write the Coordinator, Seminar for Historical Administrators, National Trust for Historic Preservation, 815 17th St. NW, Washington, D. C. 20006. Applications will be accepted until March 15. . . This summer, the Office of Civil Defense, the American Society for Engi-

neering Education and the Association of Collegiate Schools of Architecture will jointly sponsor a course in nuclear defense design at five universities (Hawaii, Maine, Montana State, North Carolina State, and Colorado). The course will be open to engineering, architectural, and city planning faculty members. For further information write: Project Administrator, ASEE, 1346 Connecticut Ave., NW, Washington, D.C. . . Cornell University has announced the creation of

a new Division of Regional Studies in its Center for Housing and Environmental Studies. Jack C. Fisher, assistant professor of city and regional planning, will be in charge of the new regional studies division. . . RPI also has announced a new study area within its curriculum: a Center for Architectural Research. Alan C. Green, associate professor of architecture, has been named director of the new center, and Morton C. Gassman, Senior design coordinator,

MIDTOWN SHOPPING CENTER



CLAYTON, MO. A proposal to convert land occupied by single-family houses into a commercial center, with high-rise apartments, may revitalize the center of this small (population 15,245) Missouri town. Clayton draws shoppers from the surrounding area. The plan, designed by Sasaki, Dawson, Demay Associates, Inc., would, in effect, turn part of the downtown area into a suburban type center.

The nine-acre site will accommodate 400 apartment units (to be built in stages)—

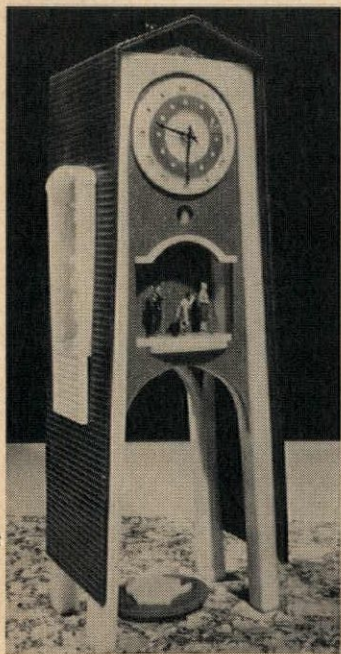
some in a high-rise tower, some in a Z-shaped slab building facing the tower across a mall. To the south end of the Z, on a slope, will be town houses. Underneath the mall will be parking for 1300 cars on three levels. To the west of these housing units will be a commercial center that includes four commercial buildings, a restaurant, and a theater. These are arranged around open landscaped areas. Retail shops, the restaurant, and theater front on two lower plazas. An upper plaza provides a parklike open

space. Also proposed for this area is a four-story parking structure for 1300 cars. Within the complex will be covered walkways, and someone living in Clayton Center can conceivably walk to work without going outdoors. Just to the south of the development will run a proposed expressway. Developer of the project is the Carondelet Development Company.

Competitions

Those interested in the \$6000 Rotch Travelling Scholarship must have their applications in to the secretary—Walter E. Campbell, 711 Boylston Street, Boston, Mass. 02116—by March 3. . . . Applications are also being accepted for the \$3000 LeBrun Travelling Fellowship. Information may be obtained from Harvey P. Clarkson, Chairman, LeBrun Committee, New York chapter AIA, 115 East 40th St., New York, N.Y.

Ist Das Nicht Ein Clock Tower?



MILWAUKEE, WISC. A little bit more of Old Germany will be brought to this largely German community with the construction of an 80'-high clock tower patterned after one in Munich. Although it looks as if it had been carved by gnomes in the Black Forest, it is the work of Donald L. Grieb, architect for the civic center here, where the tower will stand. Inspiration for the

clock was German, but some distinctly native touches will be present. The tower will aim a searchlight at the nighttime sky, for instance, and on the hour play a few bars of "On Wisconsin." Beneath the two clock faces, each 17' in diameter, will be two turntables, which will revolve on the hour, displaying figures of fur traders, Indians, early settlers, and cows.

Money for the tower was donated by two sisters whose father founded a chocolate company in Milwaukee. They put up the \$250,000, they explained, to thank the city for allowing the family to prosper.

Not everyone in Milwaukee is accepting the gift with gratitude. "A glockenspiel or circus attraction," one architect called it at a Common Council committee hearing. But only two other persons objected then and the committee accepted the gift unanimously. Now, however, other voices of protest are being raised. Some object to its placement on the site; others to its design. Good breeding demands that gift horses should not have their mouths examined. But what about 80' clocks that play "On Wisconsin"?

Architectural Tour of Northern Europe Planned

Harlow, the planned community for 80,000 outside London, Lijnbaan, the redevelopment area in downtown Rotterdam, and Vallingby, the new residential and industrial suburb of Stockholm, will be among the stops made by a group of architects and urban planners taking Alitalia Airlines' spring professional study tour of Europe. Leaving New York City on May 16, the group will visit England, the Netherlands, Sweden, and Finland, returning to New York on June 2. For those who wish to visit Russia, a five-day optional extension to Leningrad is offered. Cost of the tour, excluding the Leningrad extension, is \$825, which covers round-trip jet fare, first-class hotel accommodations, two meals daily, all sightseeing and admission fees, as well as special meetings and lecturers. Arrangements are being made to have Alvar Aalto meet the group in Helsinki to explain his plans for the new city cen-

ter there. P/A's Editor, Jan C. Rowan, is planning to travel with the group.

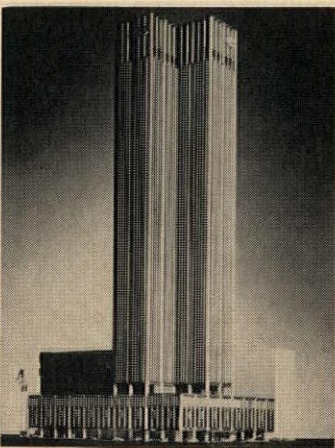
For further information and an itinerary write: Mr. James Branciforti, Professional Program Director, Alitalia Airlines, 666 Fifth Avenue, New York, N.Y. 10019.

Catalano Continuum



CAMBRIDGE, MASS. Construction was begun last month on Eastgate, a 30-story residential tower for married students and faculty at the Massachusetts Institute of Technology. Located next to the recently completed Grover M. Hermann Building (see p. 58, JANUARY 1966 P/A), Eastgate is also the work of Eduardo Catalano of the MIT architectural faculty in association with Crawley Cooper, Robert Brannen, and Paul Shimamoto, Cambridge architects. Eastgate is designed to blend architecturally with both the Hermann Building and with the Alfred P. Sloan Building. Together, the buildings will be known as the Sloan Campus.

THE BIG "C" IN THE SKY



LOS ANGELES, CALIF. Throughout most of the Western world, the initials CC stand

for Claudia Cardinale, Italy's entrant in the international sex kitten race; but in California, where sex kittens are more or less taken for granted, CC also stands for Crocker-Citizens (National Bank).

Foundation work started last month on Crocker-Citizen's Southern California headquarters building (Crocker-Citizens Plaza), a 42-story, cruciform tower, which will rise 620' above the street, making it the tallest skyscraper in this area. Near the top will be four large "C's," one on each point of the cross. Designed by William L. Pereira & Associates, the tower sits on a four-story square podium. Its ground level will include a promenade of shops and offices and a spacious interior lobby from which patrons can proceed by elevator, escalator, or stairway to a two-story-high banking area on the second level. A motor lobby is located just below grade, and below that are four parking levels. In all, the bank will have nine levels of enclosed parking capable of holding 754 cars. It will also have a gross area of over one million sq ft, Crocker-Citizens occupying about one-third of it. Anticipated cost of construction is approximately \$30 million.

Peak Year for Engineers

WASHINGTON, D.C. Engineers in private practice across the country are expected to be busier than ever before, according to a poll conducted by the Consulting Engineers Council. Leading to this record activity is continued, unprecedented economic expansion, coupled with the large public projects created by Federal aid programs. Consulting structural engineer Emanuel Pisetzer, of Weiskopf & Pickworth, who is president of the New York Association of Consulting Engineers, maintains that the present boom is characterized by great activity in all fields of practice and types of projects. He noted that at other peak times, the peak may be bolstered by increased activity in only one field, such as office buildings. This year's boom appears to be uniformly munificent in all building construction areas.

Euphoric Eugene

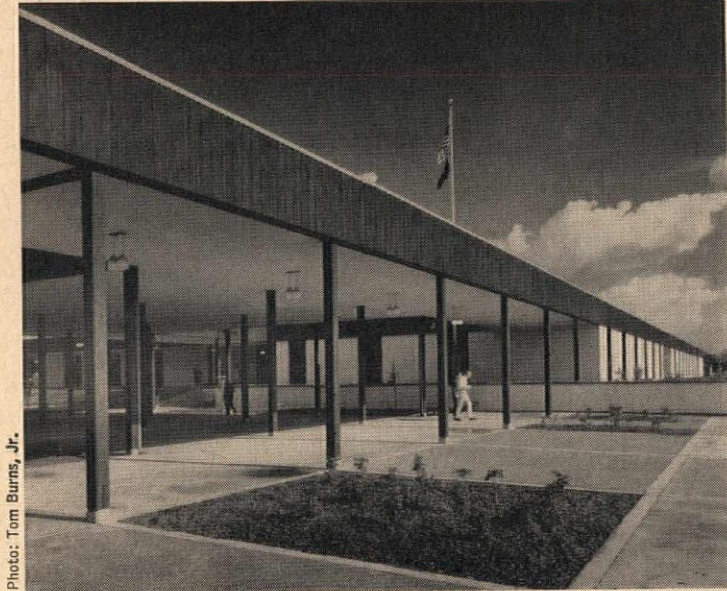
EUGENE, OREGON In December 1965, the Southwest Oregon Chapter of the AIA presented awards to four Eugene buildings. Selected by jurists Robert B. Price of Tacoma, Donlyn Lyndon of Eugene, and Don Knorr of San Francisco (who visited all 17 projects submitted in the competition), the awards went to: Lutes & Amundson of Springfield for the design of

Sheldon High School (1) in Eugene (First Honor Award); Otto Poticha of Eugene for the design of the Henshaw residence (2), Eugene (Award of Merit); Wilmsen, Endicott & Unthank of Portland for the Westmoreland Medical-Dental Clinic (3), Eugene (Award of Merit); and a special Commendation Award also went to Wilmsen, Endicott & Unthank for the remodeled façade of

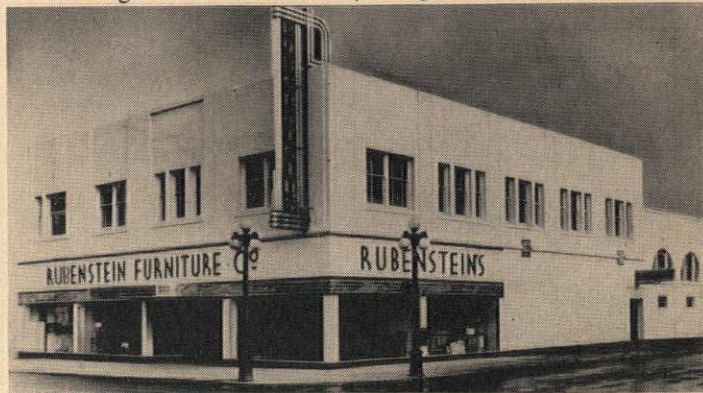
Rubenstein's furniture store (4, 5) in Eugene.

The jury had this to say about the First Honor Award winner: "Sheldon High School is a thoughtful and well-controlled translation of evolving educational requirements into a building of considerable

quality. It has a sensible and clear organization and a pleasant circulation system. While retaining reservations about some of the interior spaces, the jury felt that the architects should be honored for their development of an exceptional school plant."



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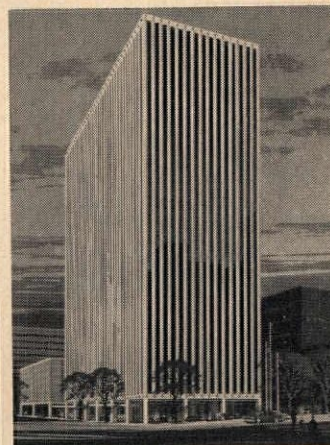
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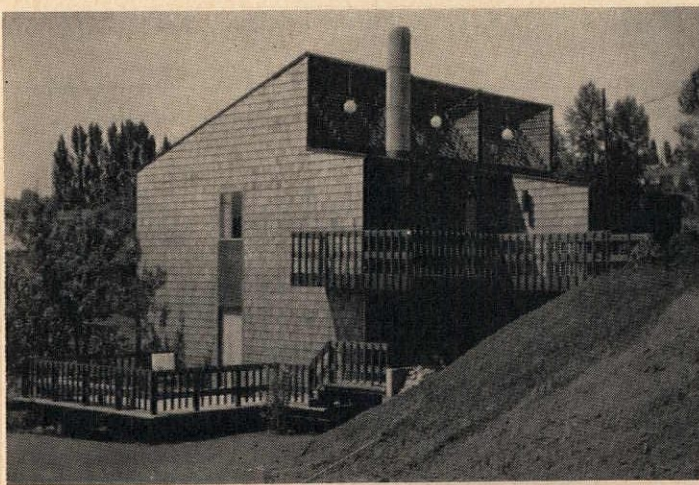
Distinctive Bank for Milwaukee

MILWAUKEE, WIS. Most buildings in downtown Milwaukee were constructed more than 30 years ago, when the architectural tradition established by Louis Sullivan was still in vogue. Despite its overhead trackless trolley wires, and despite the remodeled façades of many shops and stores, the downtown area presented a fairly unified, dignified face to Milwaukee's baseball fans and other citizens. In the past few years, all this has begun to change. First came Saarinen's War Memorial Art Center on the lakefront. In the late 50's, Harrison & Abramovitz designed an office building for the Marine National Exchange Bank, the first high-rise office structure in Milwaukee in more than 25 years. Last year, Harry Weese's building for IBM was completed. And now in working-drawings stage is a bank and office building for the Marshall & Ilsley Bank, the city's second contemporary high-rise office structure, which,

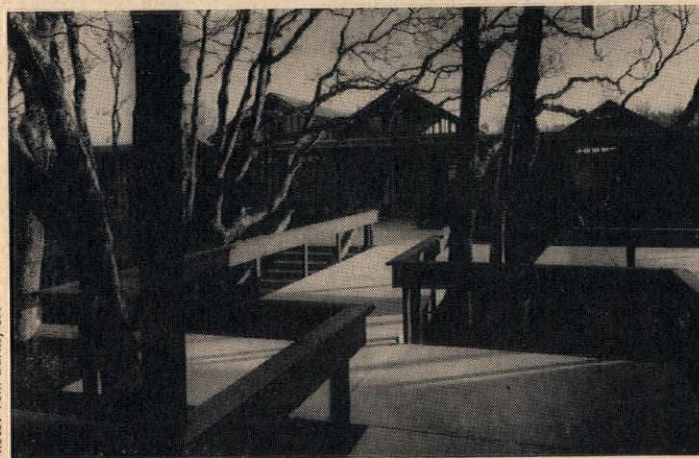


if completed in keeping with its present design, should give future Milwaukee buildings something to emulate.

As designed by architects Grassold-Johnson-Wagner & Isley of Milwaukee, the \$11 million structure will have 20 stories: nine for the bank; nine for rental offices; and two for mechanical equipment. Adjacent to the high-rise building will be a ten-level parking garage, capable of holding 420



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Photo: Tom Burns, Jr.

Photo: Tom Burns, Jr.

cars, built around and including the M & I's drive-in-banking facilities. Patrons parking in the garage will take elevators and stairs to the main banking floor, and elevators from there to the higher floors. Because the bank wanted as much uninterrupted floor space as possible, the service core will be in the building's northeast corner. This will leave the floor area

uninterrupted except for a second stairwell, required by the building code. Total gross area will be 358,000 sq ft.

On the exterior, the bank will be distinguished by buff-colored, epoxy-joined, cut stone mullions rising between spans of bronze-tinted glass in bronze aluminum frames. On ground level, the recessed main banking floor is enclosed in glass.

Levitt Headquarters by Stone



Photos: Ezra Stoller Associates

LAKE SUCCESS, N.Y. Levitt & Sons have passed into legend by building more than 70,000 homes throughout the U.S. Last year, the firm recorded over \$60 million in sales, offering 34 basic house models.

When Levitt was planning to build a headquarters building for his organization, he called in Edward Durrell Stone to design it. The result is a distinctive "square doughnut" that is vintage Stone. Completed last September, the building totals 70,000 sq ft on two levels, including a 72-ft-square central atrium. Surrounding the atrium, with its five octagonal fountains, are offices that look onto this central court through adjustable aluminum жалюзи. Overhead are nine geodesic skylight domes.

On the exterior, windows are divided vertically by glazed



white brick; two-story aluminum shutters cover the windows.

At night, the canopy, which overhangs all four sides of the building, is lighted by spotlights from the podium. Shrubbery around the site is also lighted, providing a nighttime setting for the building.

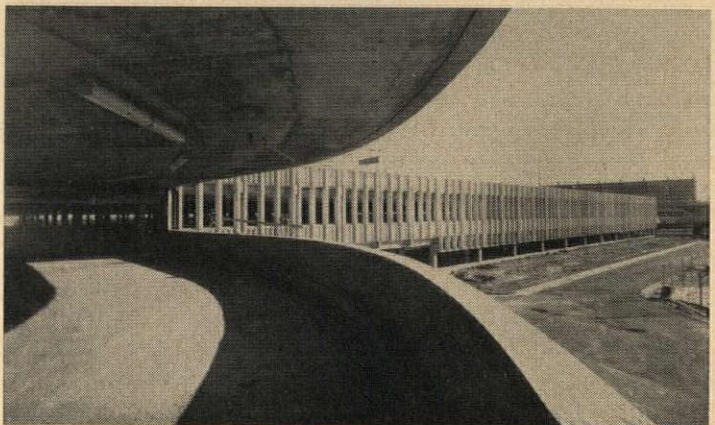
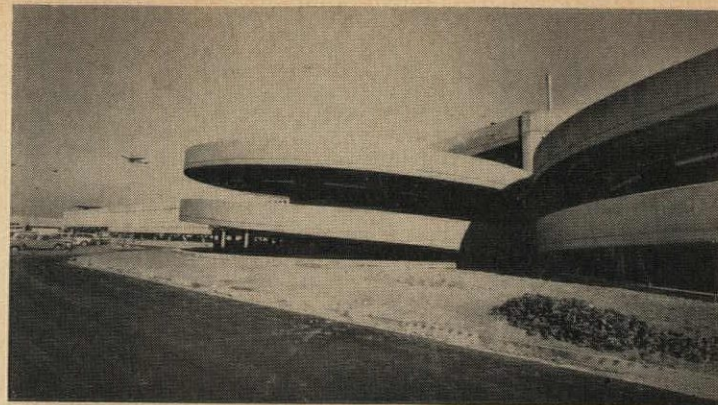
Levitt & Sons now have a shrine worthy of an Oriental potentate.

World's Largest Parking Garage

SAN FRANCISCO, CALIF. To bill a structure as the world's largest parking garage is about as significant as to talk about the world's largest salt-water pool. It's distinctive, but is it meaningful? For the garage at San Francisco's International Airport, which officially began to shelter cars two months ago, the meaning lay in the efficiency and comfort with which

passengers could get from cars to planes and from planes to cars.

For one thing, motorists leaving their cars in any of the 2800 parking spaces now available (eventually there will be 8000) have a maximum walking distance to the terminal of only 450', as compared to the previous maximum of 1500'. There are, in addition, two



moving sidewalks in each pedestrian concourse that cut walking distances even further. "They take the walk out of walking," says the manufacturer in a burst of ambiguity. Also, passengers are sheltered from the often unpleasant Bay weather as they leave their cars and trudge with baggage into the terminal. No more slogging through puddles or leaning into the rain and wind, for motorists arriving at the San Francisco airport.

Developers of the garage—a collaborative effort by architect Edward B. Page and consulting engineers J. J. Degenkolb & Associates—found that parking can usually be handled more quickly and economically in a parking lot. They therefore de-

signed the garage to consist, in effect, of four stacked parking lots. Each level is reached directly by curving ramps from the airport roadway system. When completed, the garage itself will be almost circular in form, fitting into the curve formed by the existing South and Central Terminals and the yet-to-be-built North Terminal.

To keep the garage's silhouette from obstructing a view of the terminals, the first parking level was placed underground; height from grade level to the top of the railing on the open fourth level is only 23'.

A precast exterior concrete grill helps support the upper levels and partially shields an outside view of long rows of parked cars.

ON THE BAY



LOS ANGELES, CALIF. Bay windows have never really been far out of style, but only rarely do they have a bay to overlook. As designed by Kurt Meyer & Associates, the bay-window-like projections of the Fisherman and Merchants Savings and Loan Association headquarters provide 180° views of the San Pedro Bay area, if not of the bay itself. The buttress-like projections of

the windows project from two concrete towers, which form the backbone of the building and hold utility centers and elevator and stairway wells. The five-story building will have a ground-floor loan and savings area, and, above that, floors for both the Association and rental tenants.

Ground-breaking began early this month, and completion is scheduled for this fall.

Kansas City Landmark Threatened

KANSAS CITY, MO. John Well-born Root's old Board of Trade Building in Kansas City will be demolished if a projected \$17,500,000, four-block-long apparel mart is approved.

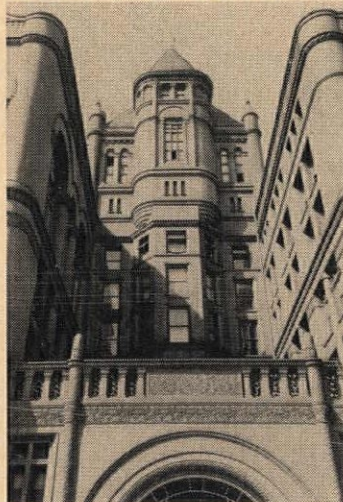


Photo: D. L. Hoffmann

Incorporation papers were filed July 16 by the Mid-Continent Mart Redevelopment Corporation, which announced its intention to ask the city planning commission for approval of the project under urban redevelopment laws.

Ruddy, sturdy, still full of character, the old Board of

Trade was designed in 1886, when the Chicago firm of Burnham & Root won a national competition for the building. Among the other competitors were George Post of New York, Peabody & Stearns of Boston, and Solon S. Beman and Irving K. Pond of Chicago. There were 53 entries.

Root, the designing partner, planned a structure comprising two pavilions connected by an arched entrance screen, skylighted entrance court, and a grand tower housing the elevators and lobbies. The U-shaped plan, covering half a city block, thus provided air and light on all sides. The west pavilion was

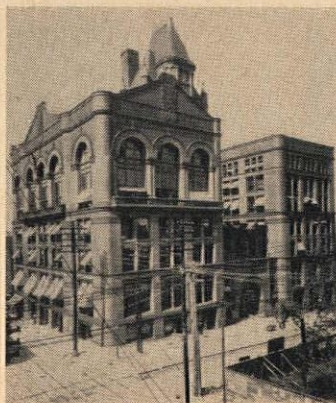


Photo: George Fuller Green

embellished with ornamented pediments and round-arched windows rising high above the fourth floor, where the exchange floor was located. The hall is a single unobstructed space, 58' x 115', with an arched and coffered ceiling. The east pavilion is composed entirely of offices.

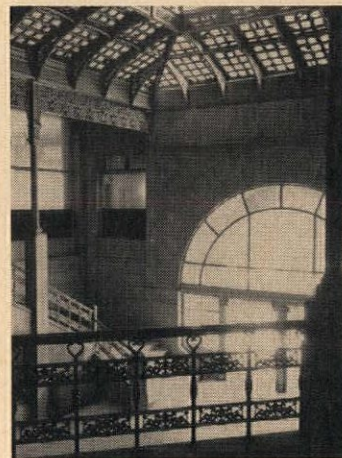


Photo: D. L. Hoffmann

The walls of the old building are of pressed brick and ornamental terra cotta of a matching earth-red hue. The ornament enriches the wall textures and articulates the composition.

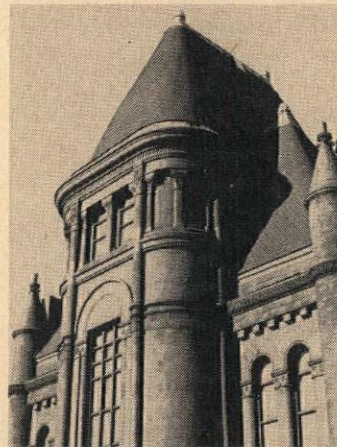


Photo: D. L. Hoffmann

In the Midwest, the Brown Decades might more accurately be called the Red Decades.

Strongly plastic, the building's rounded angle piers give it a heightened sense of huge volumes. Its over-all expression goes far beyond the routine Romanesque of the 1880's. The Board of Trade moved in on June 30, 1888.

"This building," wrote Harriet Monroe eight years later, "is a noble monumental structure, which will speak to the future for this age as eloquently as monuments of the past declare to us the spirit of epochs."

Now somewhat abused and in disrepair, the old building remains a prime architectural

landmark of Kansas City. Its feet are firmly planted in the soil, and its tower thrusts proudly into the blue Midwestern sky. It speaks, indeed, for the generation that built it, and for the imagination of a great American architect.

—DONALD L. HOFFMANN
[As of this writing, no financing or prospective buyer has been found for this Kansas City Landmark—ED.]

If You Don't Believe it, Look Again



NEW YORK, N.Y. On display this month in Manhattan's Lefebvre Gallery are samples of an artistic technique called *cinematization*. Pol Bury, a Belgian artist who invented the art form—if that is what it is—turned to it from sculptures, which he animated with springs and electric motors. Although distinctly stationary (painted on flat canvas), Bury's cinematized pictures have a life of their own. One expects them to snap back into focus any minute—maybe if you just rub your eyes. What Bury does is to take a photograph, cut a series of concentric circles in it, twisting each ring slightly. The distortion this produces is preserved by transferring the photo to canvas and painting over it, maintaining faintly the outlines of the concentric rings. The resulting picture is like a reflection a drunk might see in a puddle. What the technique does to architecture is shown here, a cinematized version of New York's Pan Am building. Perhaps that's the way it ought to look.

Hovering Roof For Midwestern Church



BIRMINGHAM, MICH. Looking a little like the proverbial two hands pressed together for prayer, the roof of St. Regis Church will hover lightly over the congregation within. Formed in a shape that is increasingly popular—it is like half of Saarinen's North Christian Church in Columbus, Ind.—the fanlike spread of the lower structure will house 1200 parishioners, grouped as closely as possible around the altar, which is a requirement of the recent revisions of the Roman Catholic liturgy.

The roof is thin, shell concrete sheathed with copper. In-

side, form boards will be left in place over the pews, and, hopefully, will look like large wooden panels between the concrete ridge and perimeter beams. Shaped in hyperbolic paraboloids, the roof sections flow together, rising into a 100' tower, directly behind the altar. Between the outer walls of brick and dark brown mortar and the roof is a band of gray glass. At night, when the church is lighted from within, the roof appears to float.

Construction is expected to start in early spring. Architects are Begrow & Brown Architects, Inc.

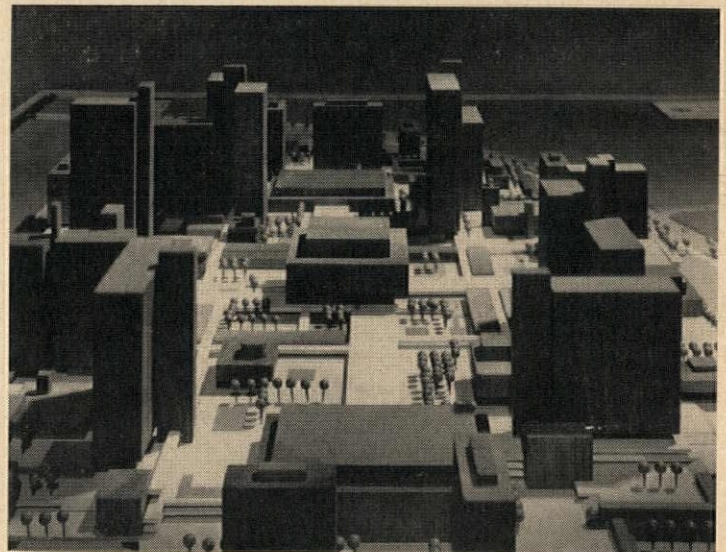
In its four floors and basement level, the space research center will encompass 38,000 sq ft. Because it must accommodate some highly complex equipment such as infrared measuring devices and helium-hydrogen sources, the laboratory is designed for interior flexibility. All mechanical and storage facilities, for instance, will be located in towers on the east and west ends of the build-

ing. Laboratories designed on a 10' module will line a central service corridor, and office and study areas will line the exterior walls on the north and south. Upper floors will be cantilevered 10' over the ground floor, and bronze-colored aluminum mullions will divide vertical bronzed-tinted glass and brown glass spandrel panels. Construction will begin in the spring.

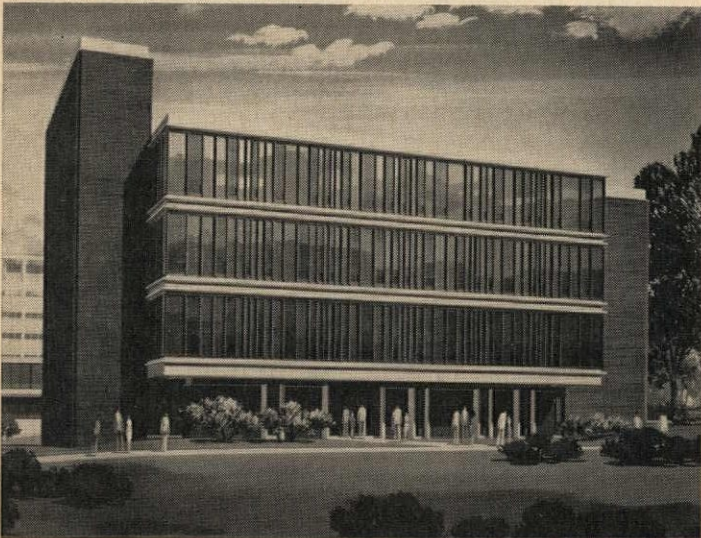
New Town on the Rise

VALENCIA, CALIF. Work was begun recently on what by 1985 will be an addition to the burgeoning list of America's new towns. Located about 30 miles from Los Angeles, just north of the San Fernando Valley, Valencia, as it is being called by its developer, the California Land Company, will provide both housing and employment for some 250,000

persons of diverse age groups and income levels. It already has an 18-hole golf course, designed by Robert Trent Jones. Valencia's master plan, prepared by Victor Gruen Associates, shows a city center standing at the head of a group of five satellite village centers. About one quarter of Valencia's 44,000 acres (it was once the Newhall Ranch) will be



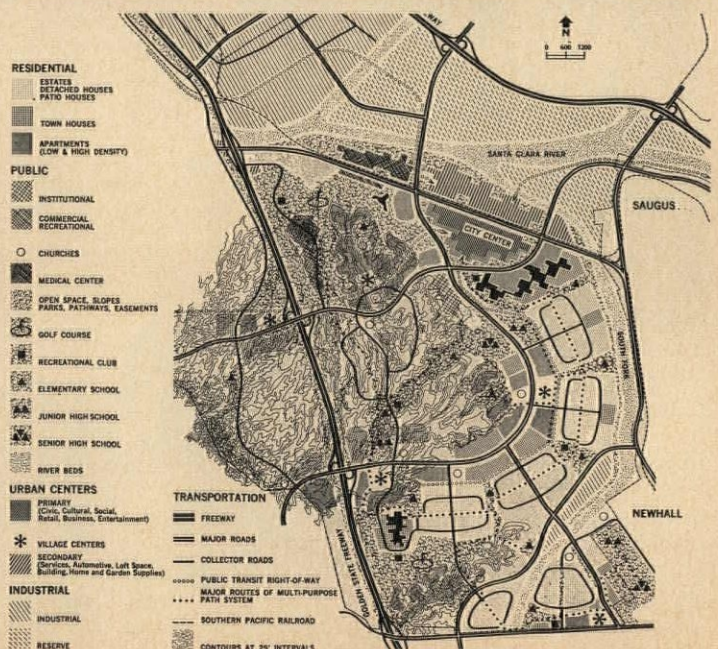
IT MAY BE GREEN CHEESE, BUT YOU CAN EAT IT?

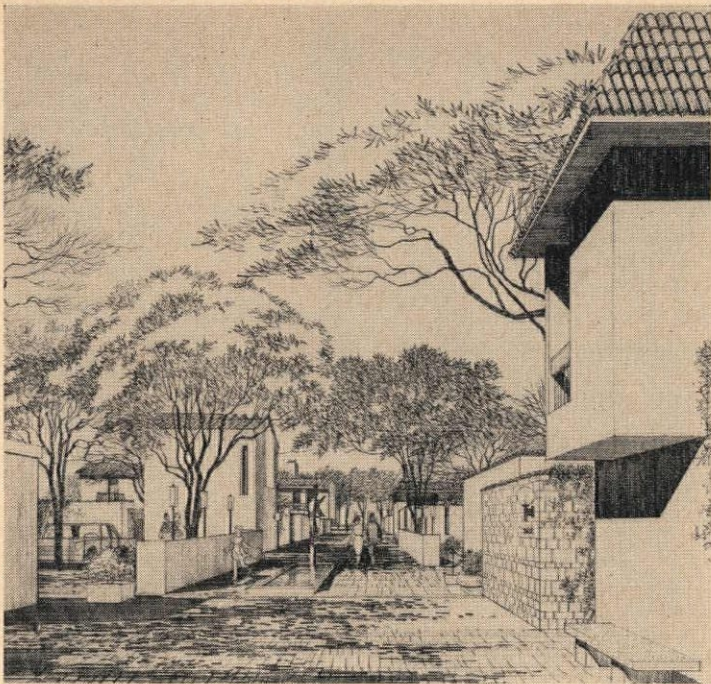


ITHACA, N.Y. The National Aeronautics and Space Administration wants to know what astronauts can expect when they get to the moon, sometime within the next four years. And to help them find out, they are building a radio-physics and space research center on the Cornell University campus. NASA will provide most of the \$1.5 million needed

to build the center; Cornell will put up \$150,000.

The building, designed by the Ballinger Company of Philadelphia, will be part of a growing complex of science buildings near the center of the Cornell campus. Already under construction are an addition to the chemistry laboratory building, a physical science building, and an agronomy building.



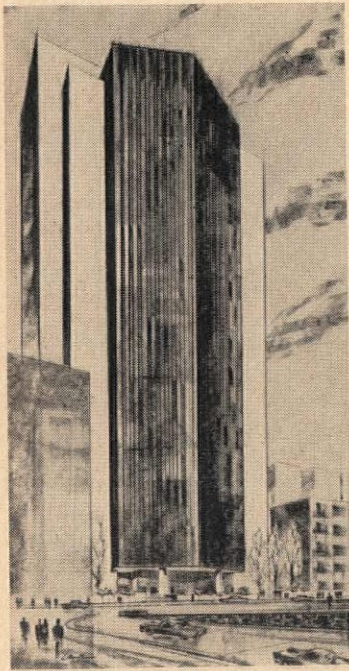


permanent open land—parks, lakes, and recreational areas. Construction is under way on the first area development, a 4000-acre portion, which, when completed in 1970, will include a complete range of housing and recreational facilities for 30,000 persons, elementary and secondary schools, churches, a 600-acre industrial center, and the nucleus of a

high-rise central city.

The planners are also providing for a public transit route, separated from roadways and walkways. Although automobiles are not banned, ("an instrument of collective immobility," Gruen once called them), the city will have a network of pathways that can be used by bicycles and electric carts.

Telephone Company Puts Up Another Pole



NEW YORK, N.Y. The New York Telephone Company recently announced its newest office addition, to be built for East Side Manhattan, 3000 employees, and \$20 million.

Designed by Kahn & Jacobs of this city, the building will have a hexagonal design with alternating 3' wide columns of bronze granite and bronze tinted windows from tip to toe. Entrances footed by landscaped plazas will be on 37th and 38th Streets. Completion is expected by 1967.

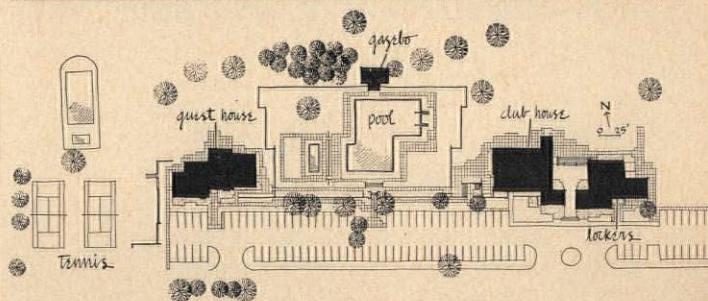
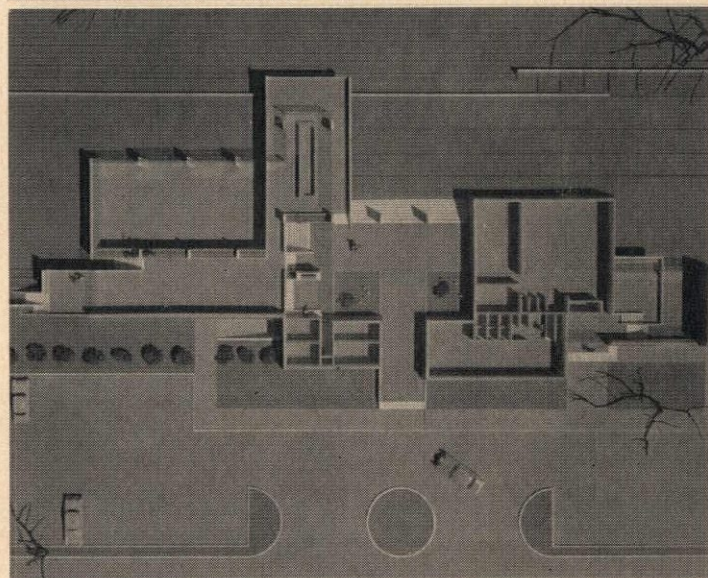
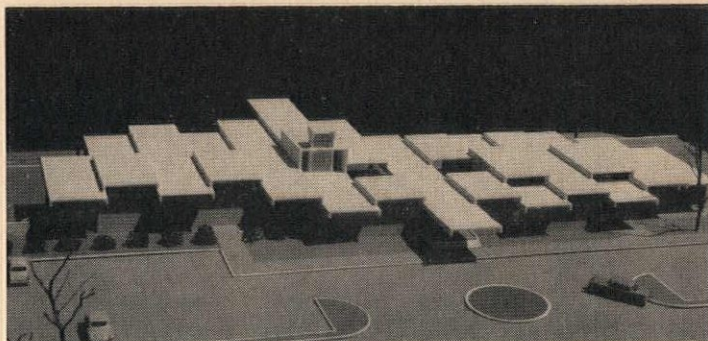
Calendar

A lecture series aimed at architects, entitled "**Space Forms in Steel**," will be presented in 50 cities by the American Institute of Steel Construction. The development of unusual roof structures will be reviewed in five lectures. In March, the series will appear in the following cities: Philadelphia, Toledo, Grand Rapids, Buffalo, San Francisco, and Oakland. . . . The American Society of Mechanical Engineers will sponsor a conference on the problem of **solid waste disposal** in the modern city at the New York Hilton, May 1-4. . . . On September 21-23, the **international conference on space structures** will be held at Battersea College of Technology,

London, England. Papers are now invited from all countries, and a brief summary of the content may be sent ahead to The Secretary of the Organizing Committee, International Conference on Space Structures, c/o Space Structures Re-

search Center, Department of Civil Engineering, Battersea College of Technology, London S.W. 11, England. Preliminary applications for registration forms can now be obtained by writing the Secretary of Registration.

Repetitive Country Club



TOMS RIVER, N. J. On a site overlooking Toms River near the Jersey coast, almost directly east of Philadelphia, work has begun recently on the Toms River Country Club. When completed this summer club facilities will include, in addition to an already existing nine-hole golf course, a clubhouse (which is really two buildings arranged on either side of an open court: locker rooms on one side, and a meeting-room dining-room capable of accommodating 300

persons on the other); a guest house, with suites for visitors; a swimming pool; and two tennis courts. The north side of the clubhouse building will be of solid fieldstone, except for clerestory glass; the south side, overlooking the links and the river, will be all glass. In citing it for an award at the sixty-fifth annual convention of the New Jersey Society of Architects, AIA, the jury commented that "it was remarkably successful in using a simple, repetitive structural system

to unify a varied complex of building units. We thought it was beautifully related to the site, and that both open and enclosed spaces under its roof would be equally satisfying to architects and golfers." Composed of 2'x14' channels

stacked to give variations in height, the roof system offers a distinctive silhouette, provides varied interior spaces with logical provisions for air scoops and sources of natural light. Architect is Paul Forutne Losi of Toms River, N.J.

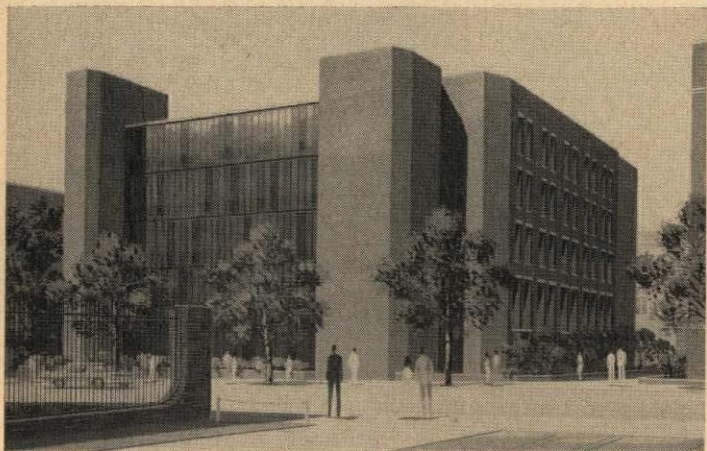
Gym For IIT



CHICAGO, ILL. The Illinois Institute of Technology has, since 1947, used a "temporary structure" for its physical education and intramural athletic programs. Now, fitting in with Mies's master plan for the campus, construction will begin this month of a gymnasium-swimming pool on the temporary structure's site. Designed by Skidmore, Owings & Merrill, the gym will have a steel-and-glass façade, with curtain walls consisting of two layers of gray glass laminated to a

frost vinyl sheet. "The only glass gymnasium in the world," SOM calls it. And because of the extra strength of the laminated glass, persons who play in the glass gym can throw baseballs. Below ground, the gymnasium has two levels, one of which houses an Olympic-size swimming pool with spectator seating. In all, there will be 72,000 sq ft of floor space, including a basketball court with seating for 2000 spectators, which can be converted into a convention center.

GBOC Design Penn Engineering Center



PHILADELPHIA, PA. Geddes, Brecher, Qualls & Cunningham designed this Graduate Research Center for the University of Pennsylvania's Moore School of Electrical Engineering. Replacing the university's financial office, which previously

occupied the Walnut Street site, the new center is expected to cost more than \$2,000,000. Part of this cost has already been defrayed by two grants: one from the National Science Foundation (\$493,000), and one from the National Insti-

tute of Health (\$257,000). Penn expects a 50 per cent increase in full-time graduate students in the next 10 years. When completed in the fall, the new building will provide laboratories for research in computer development, solid state electronics, and biochemical engineering, in addition to space for faculty offices and for graduate students working with faculty members.

Applauding the Mall

WASHINGTON, D.C. Late last year, the AIA voiced formal approval of the plans for the Mall in the nation's capital. In its formal commendation, the AIA commented: "These actions chart a course for the comprehensive planning and development of Capitol Hill and other important areas of the nation's capital." The AIA also "applauds its appearance, its daytime and nighttime use by residents and visitors to the area, which has, from its very beginning, been the heart of the nation's capital."

Eavesdroppings

"The national flower in this country today is the concrete clover leaf." *Lewis Mumford.*

"Las Vegas is the only town in the world whose skyline is made up neither of buildings, like New York, nor of trees, like Wilbraham, Massachusetts, but signs. One can look at Las Vegas from a mile away on Route 91 and see no buildings, no trees, only signs. But such signs! They tower. They revolve, they oscillate, they soar in shapes before which the existing vocabulary of art history is helpless. I can only attempt to supply names—Boomerang Modern, Palette Curvilinear, Flash Gordon Ming—Alert Spiral, McDonald's Hamburger Parabola, Mount Casino Elliptical, Miami Beach Kidney.

"It is no accident that Las Vegas and Versailles are the only two architecturally uniform cities in Western history. The important thing about the buildings of Las Vegas is not that the builders were gangsters but that they were proles." *Tom Wolfe in The Kandy - Colored Tangerine Flake Streamline Baby.*

"The character of the Federal strategy for cities has several major facets: It is directed, primarily, at raising the quality of life in American neighborhoods, and particularly for those most disadvantaged groups—the poor, the elderly, the handicapped, and the discriminated against. And it recognizes that the quality of life is not subject to remedies of better housing alone, as important as that element might be. There must also be a broad range of essential, supportive community facilities—neighborhood centers, parks and green spaces, recreation areas, health facilities, better schools, and adequate municipal services of all sorts—as well as those critical services which are needed to mend badly torn social fabric." *Robert C. Weaver, Administrator, Housing and Home Finance Agency, speaking at the dedication of Wurster Hall, University of California, Berkeley, Calif.*

"Figures are already available to prove that beauty is an integral part of good business. Before rebuilding, the blighted district now occupied by Constitution Plaza (Hartford, Conn.) returned \$90,000 a year in taxes to the city. The same area now returns \$1,456,000 per year, without taking into account the huge revitalization of the surrounding area which this project has sparked." *Morris Ketchum, Jr., speaking to the annual convention of the Pennsylvania Society of Architects.*

"Like the other professions, architecture is imperfect, conscious of cracks and oily stains on its own floor. It is a very small profession, too small to exert pressure directly on U. S. society without first learning new techniques for magnifying itself and multiplying its effectiveness. There are only 30,000 architects in the U. S., compared with 225,000 lawyers, 430,000 accountants, 975,000 engineers, and 265,000 doctors. There is a total of only about 10,000 architectural firms." *"The Architects: A Chance for Greatness." Fortune, January 1966.*

"Architecture has turned into chaos. It is baroque, with buildings by painters, not architects. They try to be as fantastic as possible, not as reasonable. Architecture can only



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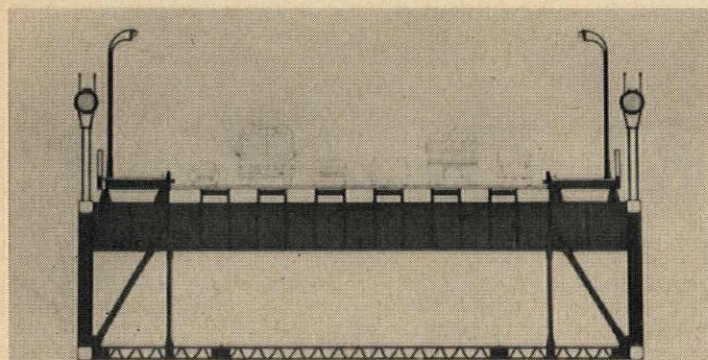
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express our civilization. You cannot invent a new architecture every Monday morning," *Ludwig Mies van der Rohe*, quoted in *Fortune magazine*, January 1966.

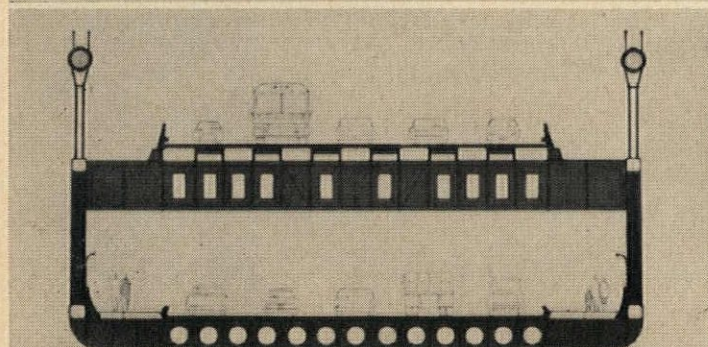
"Americans are too impatient. They expect instant beauty. But they forget that cities are not built in one day. We may spend years agonizing over a renewal project and then we expect the city to be rebuilt instantly. Can you imagine what Paris must have looked like when Baron Haussmann finished with it? The social and cultural shock must have been tremendous. It's like surgery; it

takes a long time for the tissue to heal. The city has to echo life. If our life is rough and tumble, so is the city. I've always felt that ugliness with vitality is tolerable. The great danger our cities face today is that their vitality will be sapped by too much concern for instant beauty. New York is not a beautiful city. It may even be ugly, but it is exciting. It draws beauty from its vitality. If you drove all residents out and made it a gleaming commercial center, it would only be beautiful in a narrow sense. It would be lifeless, and therefore intolerable." *I.M. Pei* quoted in *Life magazine*.

Opening that Golden Gate



EXISTING SECTION OF CENTER SPAN



PROPOSED SECTION OF CENTER SPAN

SAN FRANCISCO, CALIF. Like most giant structures, the Golden Gate Bridge is many things to many people. For architects, it is a thing of grace and beauty; for airline passengers coming in from the Pacific, it is a stirring landfall; to motorists in the 24 million vehicles that cross it every year, it is a means to an end; and for would-be suicides, it is a place of last resort. But after 28 years of operation, its structure, if not its image, needs, as they say, upgrading. A feasibility study of a proposed design, adding a second

deck to the bridge, was recently authorized by the Golden Gate Bridge and Highway District.

Essentially, the design calls for addition of a five-lane lower deck and for reconstruction of the existing deck to lighten the total dead load. As worked out by Norman C. Raab, former chief of the State of California Division of Bay Toll Crossings, in association with the Tudor Engineering Co., the design should double the bridge's capacity and provide greater safety by separating inbound and outbound

traffic on different decks, each of which would have five lanes. The designers believe they can use a stronger steel than was available when the bridge was erected in 1937, and substitute a steel deck for the existing concrete roadway on the existing upper roadway. In this way, they hope to reduce the total dead load carried by the structure's cables and piers.

Cost is expected to be about one-tenth that of a completely new crossing, and the work can be financed from bridge revenues.

PERSONALITIES

Allan B. Jacobs, Louis E. Sauer, Richard E. Toth, Sim van der Ryn have joined the University of Pennsylvania's faculty for the Graduate School of Fine Arts. . . . **Fred L. Liebmann** has been elected president of the New York Society of Architects. . . . James E. Lash has been appointed executive vice-president of Urban America, Inc., which has merged with ACTION Council for Better Cities. The merged organization has an annual budget of more than a million dollars to help make cities "more livable, more workable, and more beautiful." . . . **Alvin Boyarsky**, master and lecturer of architectural history at the Architectural Association School of Architecture in London, has been appointed associate dean of the college of architecture and art at the new Chicago Circle Campus of the University of Illinois. . . . **Elliot Noyes** has been elected president of the International Design Conference in Aspen.

Awards

John Carl Warnecke is a 1965 *Sports Illustrated* Silver Anniversary All-America winner. He was a tackle on the Wow Boy football team at Stanford University before his graduation in 1941.

Theater Consulting Group Formed

BOSTON, MASS. Consultation in any phase of theater design and management is the service offered by the new theater consulting group at Bolt, Beranek & Newman, Inc. Under the direction of Thomas DeGae-

tani, who moves to the job from his position as Managing Director, Theaters and Concert Halls, of the Lincoln Center for the Performing Arts, the group plans to assist architects and others interested in theater construction. Among assistance offered through the firm's offices in Cambridge, Mass., New York, and Los Angeles, will be feasibility and preprogramming studies, fund raising, layout and space investigations, furnishings and equipment specifications programming, staffing, and management and operation.

Obituaries

GILES VAN DER BOGERT, partner in the Schenectady, (New York) architectural firm of van der Bogert, Feibes & Schmitt, died last November at the age of 58.

Top Totem



OMAHA, NEB. The Omaha Indians called their lands "Nebraska" (meaning flat in their language), and the name stuck. And the state grew. And the people grew. And so did the buildings.

Now a 36-story hotel/retail shopping/and office building is being planned that will be twice as tall as any other building downtown. The Central Omaha Tower, designed by Leo A. Daly Co., will have internal parking facilities and underground walkways leading to its neighbors. Materials used will be granite and concrete, with solar bronze glass. Work is expected to start as soon as the GSA releases the land that houses a now-declared-surplus post office.

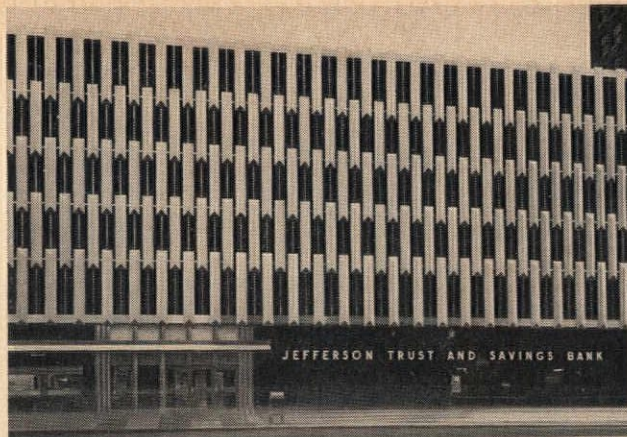
Judging from the rendering, the building's height may be its only distinctive feature. It looks a little like an old-fashioned

The Jefferson Trust & Savings Bank,
Peoria, Illinois.

Architects: Lankton, Ziegele, & Terry

Stainless Steel Fabricator:
Dawson Metal Products

Curtain wall by Fenestra



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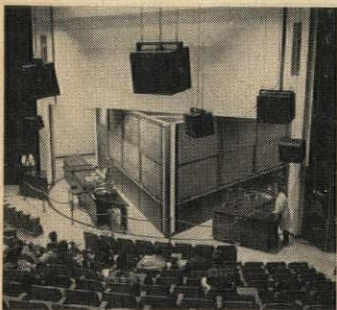
adding machine in modern trim—one that does not add up to much.

More Traffic Hazards



The executive, or anyone else who can afford it and wants to avoid the ignominy of driving a mere single-family automobile into the crowded hearts of our cities, can now have the doubtful distinction of taking up as much room as a commercial bus with the "3500 Series Executive Land Cruiser" put out by the Custom Coach Corporation of Columbus, Ohio. The individual company buses are, as indicated, arrangeable as to floor plan, allowing you to sleep, drink, or dispose of bodily wastes on a custom basis, but they are nevertheless just another blow to the already constipated cities of America. Hence, executives can carry their wastes to the nearest disposal, but what can cities do?

Science in Rotation



BERKELEY, CALIF. Borrowing a device from other performing arts, scientists at the University of California are lecturing in what is billed as "the first rotating stage installed in a major auditorium on a college campus." Housed in an oval-shaped building (the recently completed physical sciences lecture hall), the stage allows professors to set up experiments and demonstrations behind the scenes while the lecture hall is in use. The rotating

stage has three podium positions, each complete with laboratory benches, sinks, and blackboards. Suspended from the ceiling within the hall are television monitor screens, which give the audience close-up shots of what is happening on the podium. These 16 screens can be lowered automatically from the ceiling and adjusted for proper viewing. The hall seats 550 persons.

26 Western Homes Win Awards



Photo: Edmund Y. Lee

1



Photo: Don Normark

2



Photo: Jeremiah O. Bragstad

3

MENLO PARK, CALIF. *Sunset* magazine's biennial home awards program this year drew 443 entries from architects registered in seven Western states. All 26 winners selected from this group were completed since 1960. Shown here are three of the top winners, which received Honor Awards. They are: a home in Gleneden Beach, Oregon, designed by Fletcher & Finch (1); home in Mill Valley, Calif., designed by Ian Mackinlay & Associates

(2); home in Seattle, Wash., designed by A.O. Bumgardner (3). Also winning an honor award was the mountain top

home designed in Mill Valley, Calif., by Marquis & Stoller, shown on the cover of the MAY 1963 P/A.

GRACEFUL GRIDS

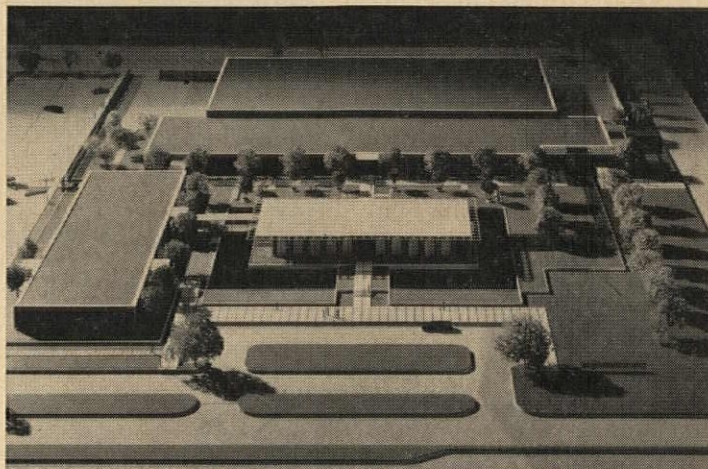


Photo: Julius Shulman

COSTA MESA, CALIF. Construction of Atlantic Research's Missile Systems Division office will be completed by July. Designed by the Long Beach architectural firm of Killingsworth, Brady & Associates, the complex will include four buildings for engineering, manufacturing, and test facilities. The central executive

building will perch, Indian-fashion, in a large reflecting pool, whose fountains will set a tone of gracefulness. The 800 employees will also be treated to garden areas adjacent to the cafeteria. Expansion as well as grace has been keynoted. All buildings have been designed to fit into 4' grids and thereby facilitate future additions.

The Sacred Halls of Ivy

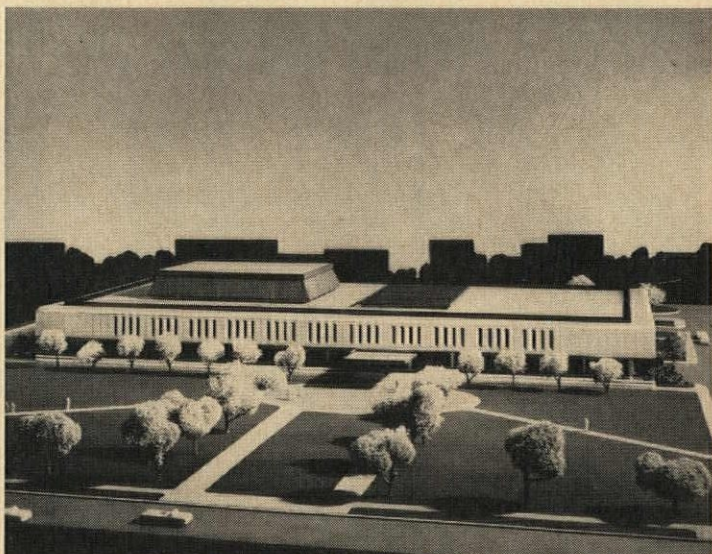
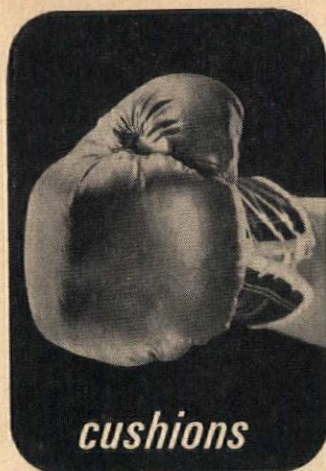


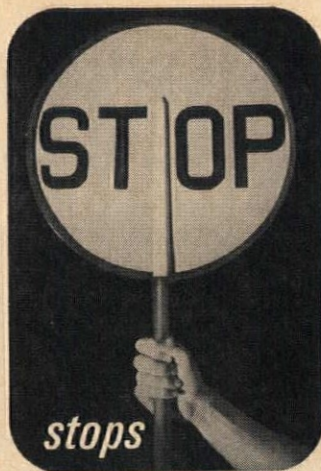
Photo: Paul Peters

HOUSTON, TEXAS. The ivy had to go; it was much too old fashioned. Today's groves of academe demand a fast pace, a clean, uncluttered modern look—and this look is often reflected in what today's educators call a campus center. The campus center no longer is the hall of learning, but the hall of living. The office of George Pierce/Abel B. Pierce has designed just such a center

for the University of Houston. In addition to an education, students will be offered: a bowling alley, barber shop, arts and crafts areas, snack bar, lounges, dining rooms, bookstore, activity and meeting rooms, ballroom, music listening rooms, television rooms, post office, billiards and table tennis area, and lo, a library. The \$5,000,000 facility will open its doors in the fall.



cushions



stops

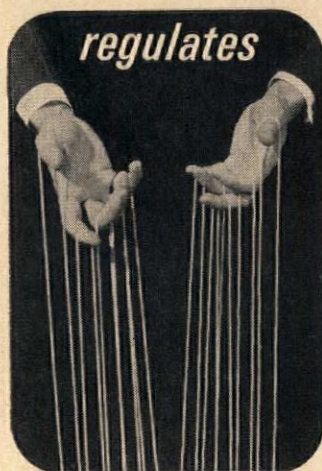


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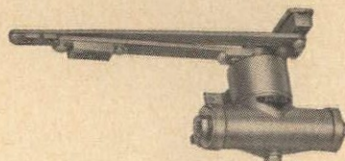
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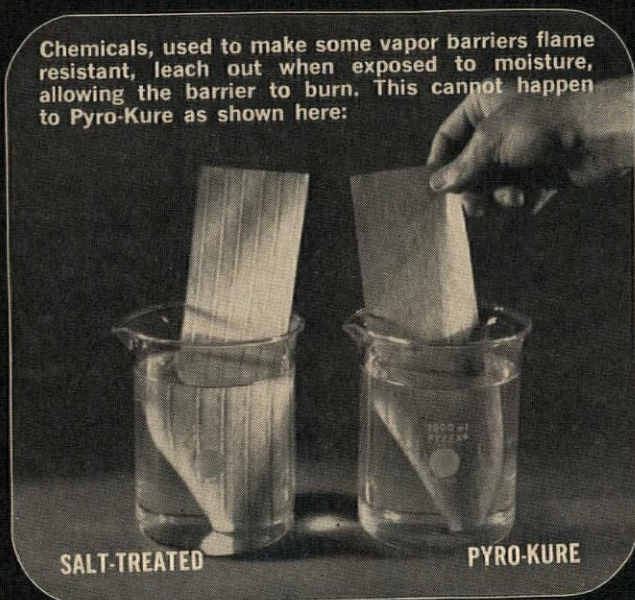
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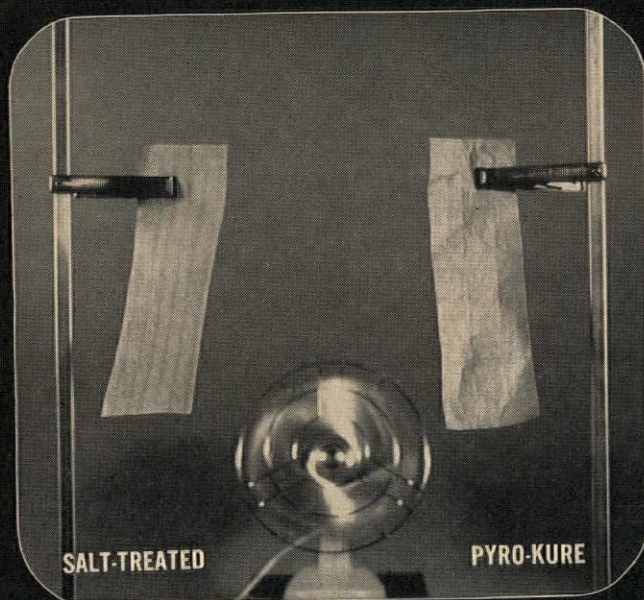
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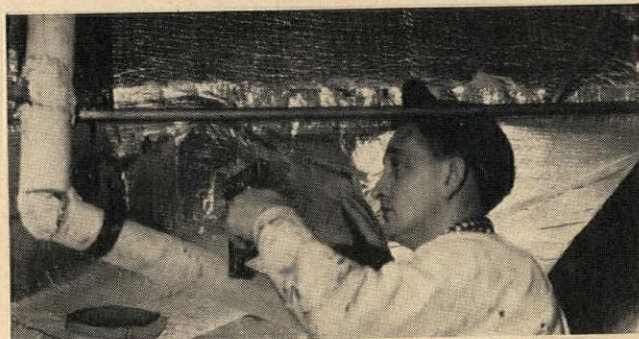
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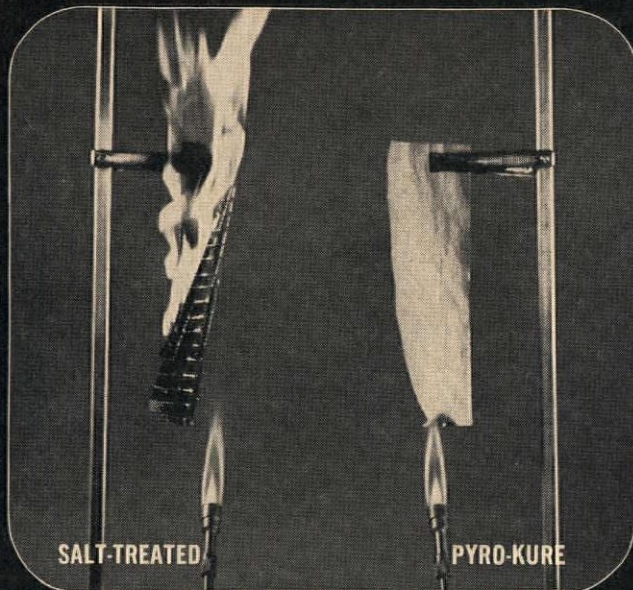
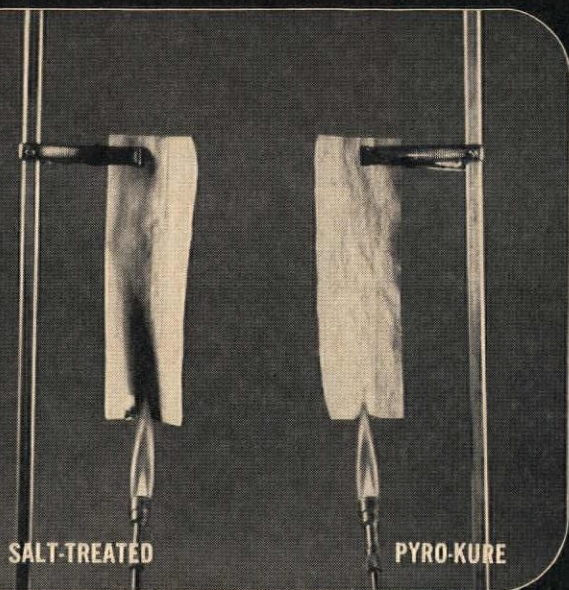


Zone Barriers and Reflective Liners

Pyro-Kure now provides permanent noncombustibility plus airtightness for ventilated ceilings and for lighting plenums.

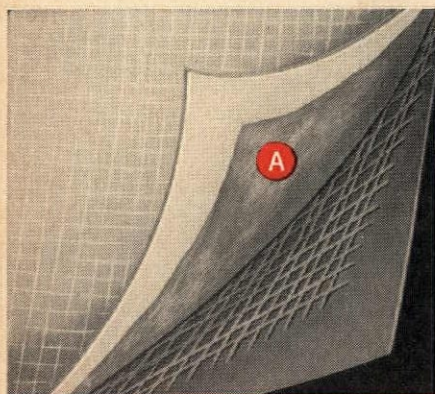
Pyro-Kure[®]: PERMANENTLY NONCOMBUSTIBLE

29



(3) Flame is applied, treated barrier starts to burn.

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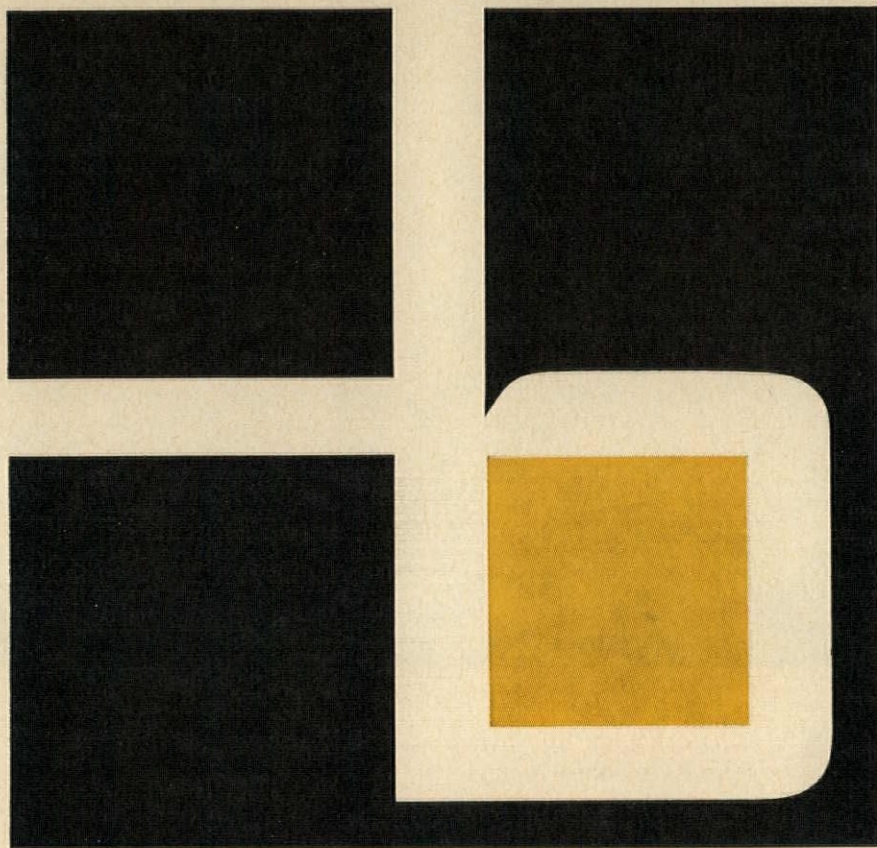
This is not true with other "rated" barriers. Moisture, humidity and aging can cause other types of flame-extinguishing chemical to leach out, or corrode aluminum.

This difference is why Pyro-Kure is called the **permanently noncombustible** vapor barrier. Why its U/L Flame Spread Rating of "25 or less . . ." is not restricted in any way or will never be reduced. It is also why Pyro-Kure Vapor Barriers comply with the National Building Code standard for **Noncombustibility** as defined by the American Insurance Association.

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WASHINGTON/FINANCIAL NEWS

By E.E. HALMOS, JR.

The proposed "document" bringing the American Arbitration Association into construction industry disputes, which was so enthusiastically endorsed by the AIA in mid-December, won't be finally approved by all parties until March or April.

But there's no doubt that it will be approved, and that it can mark a brand new era for all parties in the industry.

Key points include:

Use of AAA facilities (through inclusion in contract documents) to settle disputes, thus eliminating alternate arbitration by an AIA panel;

Establishment of an "Advisory Council" that would represent the construction industry and would set up arbitration criteria.

A probable sharp cut in arbitration costs should make the procedures more attractive to contractors, and, it is hoped, might well eliminate much subsequent court action.

The second point is of most interest to contractors, who are usually the aggrieved parties in disputes with architects and owners. They've long felt that organizations such as AAA try to impose general rules on arbitration procedures that are perfectly suitable for most business problems but don't fit the peculiarities of the construction industry at all. Now, with a carte blanche to draw up their own rules (within the limits of AAA procedures), they feel that arbitration would be much fairer, and that they would use it more.

Of course, the fact that architects are to be removed from the occasional embarrassment of being judge, jury, and prosecuting attorney on their fellow workers' problems is another advantage.

Significance of real arbitration procedures in the industry is very great and could have a decided effect on construction costs. Many lawyers have boasted that they can by-pass any arbitration procedure, if their clients choose, by direct court action. But court records show that when arbitration has been conducted, a majority of cases are solved within the limits of the arbitration awards. Hence, if contractors can be convinced that arbitra-

tion is fair, just, and that the arbitrators understand the facts thoroughly, the tendency to charge off to the courtroom will be reduced.

Delay in final approval of the plan is occasioned by dates of annual sessions of the Associated General Contractors and other participating groups, and by a need to work out details of membership and duties of the proposed advisory council.

AIA to Define Criticism

Architects will have to do much soul-searching, and pay careful attention to comments both verbal and written, before AIA promulgates any new interpretation of "criticism," or sets up a recommended program on public information.

Reasons: to avoid the unmistakable charge of sour grapes; and to avoid the implication of any attempt to control or direct press and public criticism.

Problem is that architects—particularly in Washington—have not hesitated to criticize loudly the work of other professions in design and planning (even criticizing their own members, as recent comments on the employment of Mies van der Rohe to design a new library indicated). But when their own carefully selected design for a new headquarters building came under sharp attack in the capital, they had to backtrack on the plan themselves, under the guise of need for more space than originally specified.

To follow such an action with a publicity release stating that the AIA is taking "major steps to develop methods of informed architectural criticism" (announced at the same press conference as the change in plans for headquarters) almost invites the comment that AIA is seeking to prevent general criticism of itself and its members.

Railways in Tubes

The planners who envision rail lines in tunnels to connect great metropolitan areas with very high-speed service have a good idea in terms of the aesthetics and perhaps economics involved, but they may be forgetting an important principle

of aerodynamics that could cause a lot of trouble.

The U.S. Department of Commerce stressed the point: A train, moving through a tunnel at 55 to 70 mph, would build up about the same amount of pressure as an airplane diving 5000 to 7000 ft per minute. Such a rate of descent is forbidden by the Civil Aeronautics Board, which figures that, unless the plane cabin is pressurized, anything above 2000 fpm is dangerous to passengers.

On the basis of experiments with a two-car train in New York's Hudson Tubes, Commerce engineers argue that high-speed trains, such as those proposed for the Boston-to-Washington run, would have to be completely pressurized to be safe.

Architects and planners have suggested tunnels for such speedy travel, on the grounds that they would cause the least disruption of surface activities, the least marring of the landscape, the least need for purchase of expensive right-of-way, and would require the least maintenance against weather conditions that might block scheduled service. If pressurization must be added to the costs of construction and rolling stock, however, the whole idea could become astronomically expensive.

Urban Road Beauty Consultants Named

Appointment of that eight-member "Advisory Board of Urban Consultants," to assist the Bureau of Public Roads on urban route locations, reflects an upcoming change of emphasis in the vast Federal-aid highway program, as well as an attempt to scotch growing criticism of highway aesthetics.

The change in emphasis is dictated by the program itself—away from rural areas, where a lot of road mileage could be built in a hurry and where few problems of interchanges and right-of-way are involved, to the highly urban areas, where costs will be enormously greater and progress a lot slower. There's also a political consideration: With the increasing voter power of the urban areas under recent court rulings and legislation, politicians must make suitable bows to them.

At last year's conference on beautification, highway engi-

neers came under heavy attack—much of it from architects and land planners—for their supposed concentration on road mileage at the sacrifice of beauty.

BPR has therefore named an unsalaried group of consultants (including two civil engineers) as the new advisory group. Included are Michael Rapuano (as chairman), a New York landscape architect and engineer; Lawrence Halprin, San Francisco landscape architect; John O. Simonds, Pittsburgh landscape architect; and Kevin Roche, Hamden, Conn., of Eero Saarinen & Assoc.

Financial

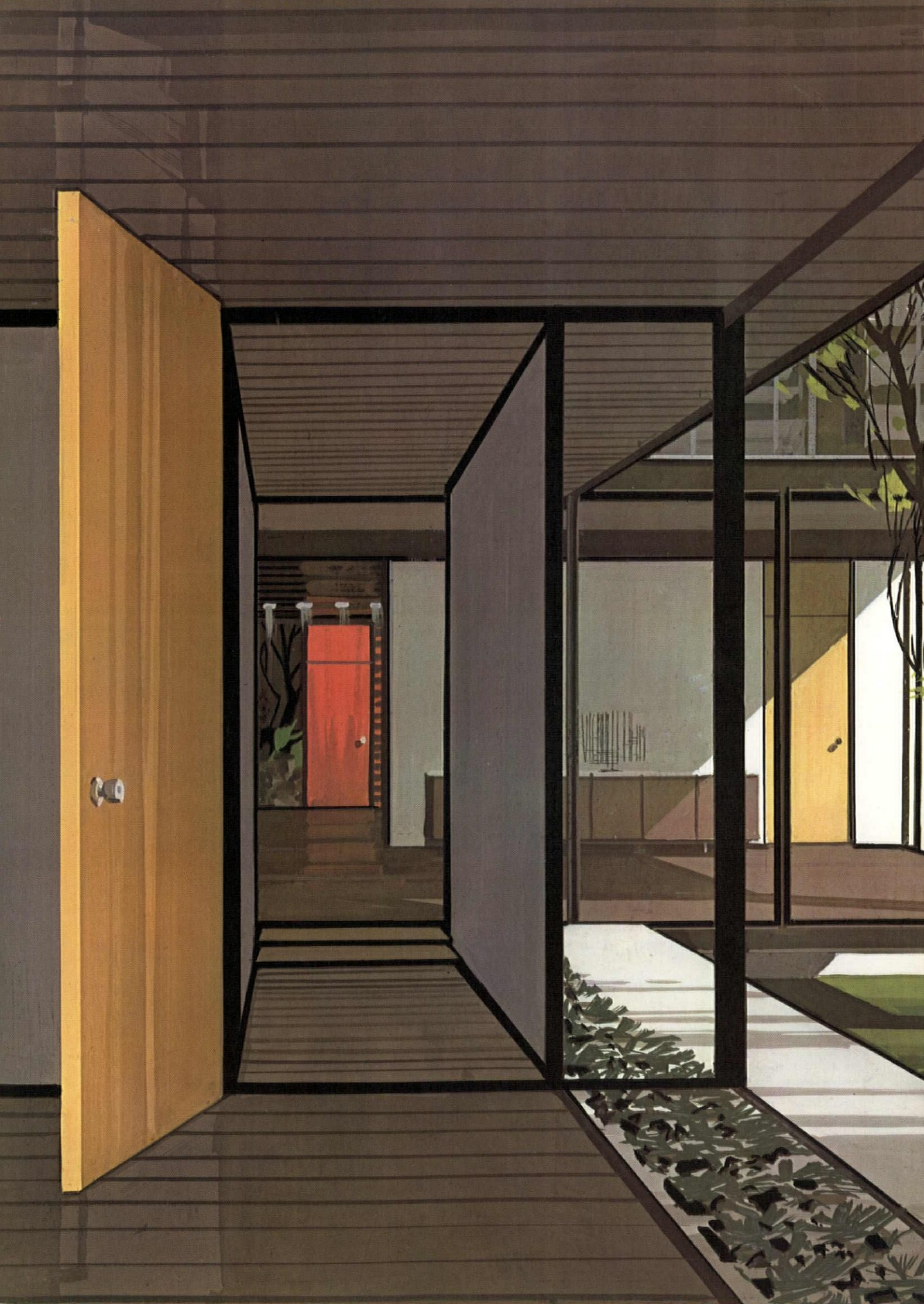
Key fact for architects is the continuing prediction of an ever-higher total-business volume (in dollars, at least) for the construction industry for 1966. The Commerce Department made it official with its own forecast, which is in close agreement with industry forecasters, of a \$73 billion year for new construction.

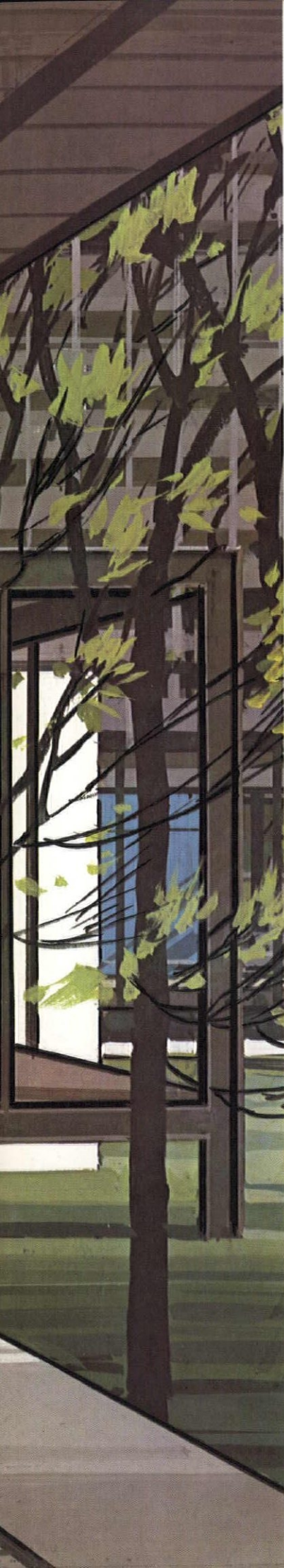
There was, however, a sobering note: just what effect the escalating costs of war in the Far East would have on the domestic economy. Cutbacks in military construction (for family housing and other amenities at U.S. bases), already announced, are one indication. If the Federal Government begins to take large amounts of material and labor out of the domestic construction economy, the final effect could mean a major shift in the type of work available.

Meanwhile, final totals for 1965 indicated a strong finish for the year, and close agreement with predictions of a year ago: In November, value of new construction put in place was set at \$6.1 billion—up 5 per cent over the previous year.

There was an encouraging note from the money markets, as average secondary market price of FHA-insured home mortgages dropped slightly for the fourth consecutive month—to \$98 per \$100 of outstanding loans.

Most encouraging was the continued taxpayer support of public works construction. In November, voters approved 70 per cent (by value) of all such issues presented to them, for a total of \$2.3 billion worth of new money for schools, roads, water and sewerage projects.





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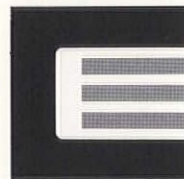
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Ask for catalog 2063-B. The Ceco Corporation, general offices: 5601 West 26th Street, Chicago, Illinois 60650. Sales offices and plants in principal cities from coast to coast.



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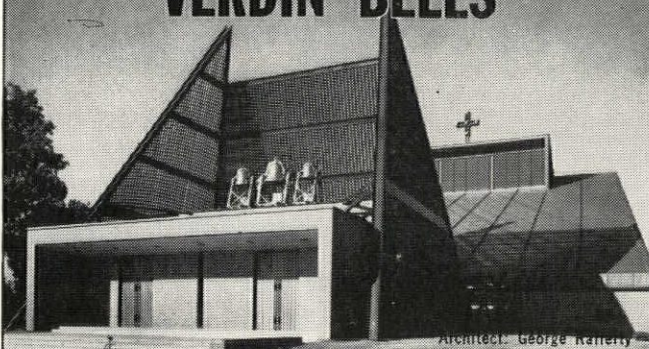
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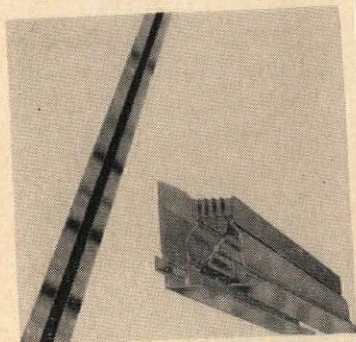
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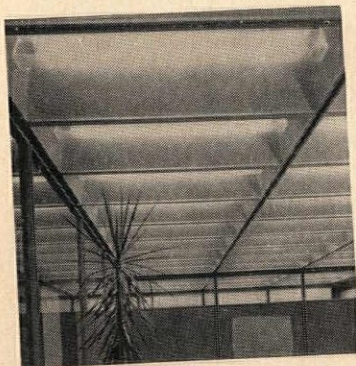
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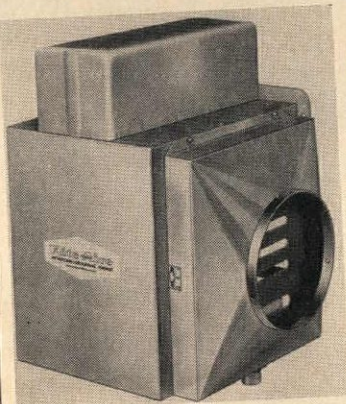
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Stainless-steel evaporative humidifier fits into all forced air furnaces. "Rite-Aire Model 201" eliminates filter pads or belts, float, solenoid valve, drain, pump, electrical hook-up, and humidistat. The humidifier can be mounted on either the warm air plenum or the cold air return. Simple selector control adjusts the output. Capacity: 1/2 gal per hour. Atwater-General Corp., Watertown, Wis. 53094.

On Readers' Service Card, Circle 103

Doorway Heater

Gas-fired heater, for mounting under a ceiling, directs fan-propelled heat into doorway when garage doors open. Automatic switch starts heater when doors open. Heater, rated at 600,000 Btu an hour, has electronic flame-failure controls. Heat Machinery Corp., 20310 Chagrin Blvd., Cleveland, Ohio 44122.

On Readers' Service Card, Circle 104

Fan-Coil Units

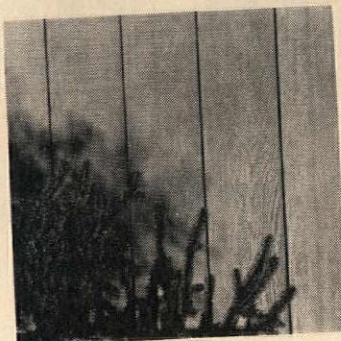
Fan-coil room air-conditioning units with molded glass-fiber-reinforced-plastic fan volutes and a three-speed motor reduce noise and operating expenses,

according to the manufacturer. "UniTrane" units with 800-, 1000-, and 1200-cfm capacities are available in eight variations of free-standing, wall-mounted, recessed, or concealed cabinets, plus optional controls and coils. The Trane Co., La Crosse, Wis.

On Readers' Service Card, Circle 105

Construction

Rugged Outdoor Look

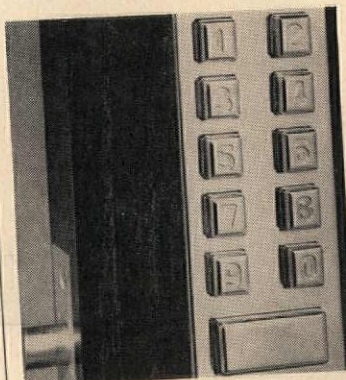


Rough-sawn redwood bevel siding is prefinished and back-primed with a water repellent that seals the exposed lap edges. Finishes are natural, red brown, or driftwood gray. Available in 6", 8", and 10" widths, and 3' to 20' lengths. Color-matched aluminum nails also included in siding package. Simpson Timber Co., 2192 Washington Bldg., Seattle, Wash. 98101.

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Doors/Windows

Let Your Fingers Do the Locking

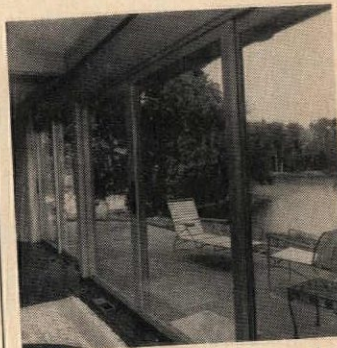


Push-button lock has a possible 10,000 four-digit combinations from 10 buttons. Individual combinations are set on a pair of metal slides, which can be replaced with a different combination for slightly more than the cost of a key, claims manufacturer. Preso-Matic

Lock Co., Inc., 8228 W. 47 St., Lyons, Ill. 60534.

On Readers' Service Card, Circle 107

Framed in Wood

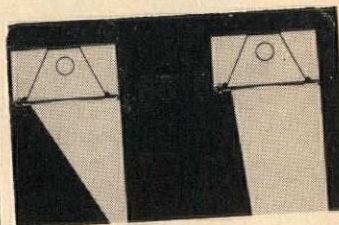


Wood-framed sliding glass doors for houses are built to meet commercial requirements, says manufacturer. Wood frames are cured to resist moisture, fungus, and insects. Doors ride on an adjustable ball-bearing mechanism, and are sealed with double weatherstripping. R. O. W. Window Sales Co., 1365 Academy Ave., Ferndale, Mich. 48220.

On Readers' Service Card, Circle 108

Electrical Equipment

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On Readers' Service Card, Circle 109

Finishes/Protectors

Plenty of Paint

A self-priming exterior latex oil-acrylic paint is available in 1500 colors. It combines the durability of latex with the

Products

Are the bugs out of all plastic flashings? Just one—

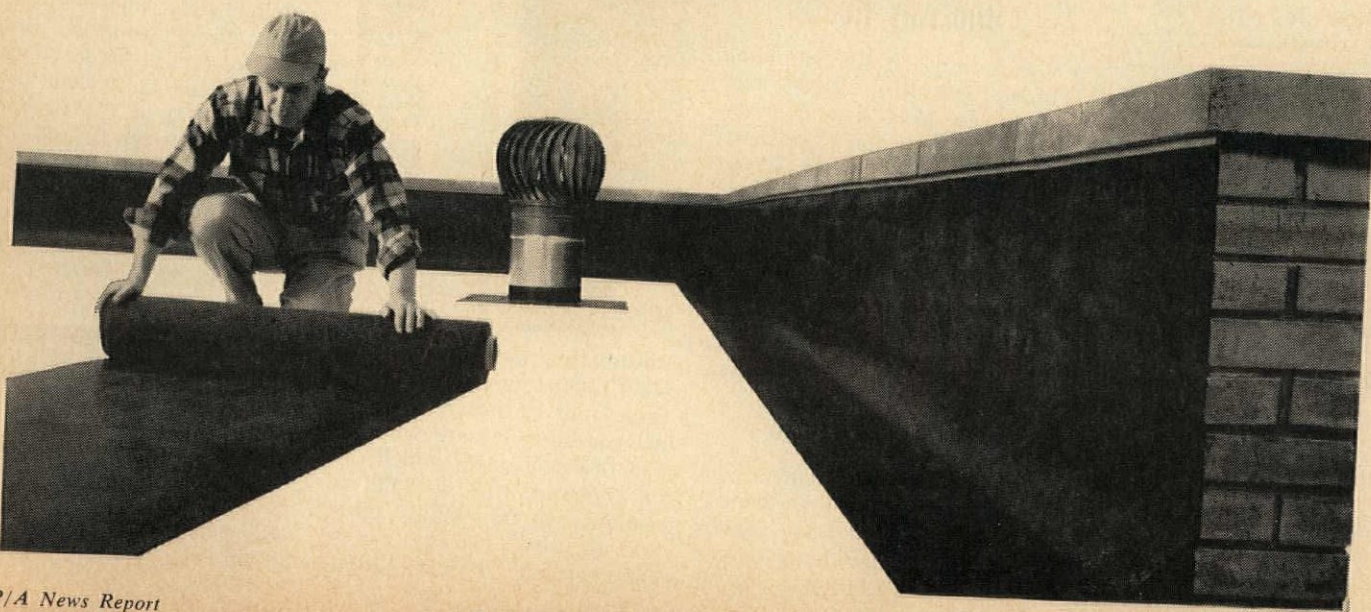
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For more information, contact The Dow Chemical Company, Plastics Sales Department, Midland, Michigan 48640, or consult Sweet's Architectural File 8g/Do.



penetration and adhesion of oil, says manufacturer. Paint dries in 1 to 2 hours and is available in "white tint base and deep tone base." Available throughout the West. Pabco Paint Div., Fibreboard Paper Products Corp., 475 Brannan St., San Francisco, Calif.
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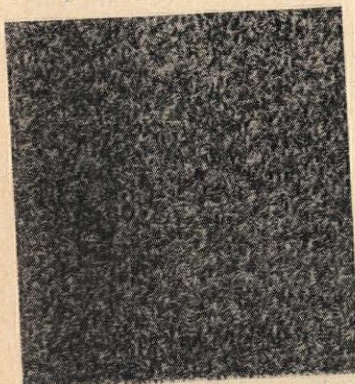
Coating Resists Bacteria Growth

A plastic wall coating suitable for hospitals, nursing homes, and institutions, will not support growth of staph bacteria, says the manufacturer. The non-toxic, low-odor coating, "Zolatone 43," also does not support combustion, and has a minimal smoke factor. It resists chipping and scratching and is available in either solid or tonal colors. Coated wall can be washed or scrubbed without impairing the finish or its resistance to staph growth. Zonatone Process Inc., 3411 East 15 St., Los Angeles, Calif. 90023.

On Readers' Service Card, Circle 111

Furnishings

Everything but Flowers



A ground cover softer than asphalt, more durable than grass, is what architects and landscape architects have wanted in playgrounds for years. Now, outdoor rugs by Cabin Crafts offer a perennial spring. Dow Chemical's slim, ribbon-like saran fiber "Rovana" is tufted to produce a pile that is the most realistic of the outdoor-carpet grasses. Adhesives are applied to the rubber-waffle backing for installation at poolsides (non-slip), city terraces (nongrassable), golf courses (nondependable), etc. Manufacturer claims easy care (with a hose), color-fastness (even to pool chlorine), and durability.

Countless interior applications are also suggested. Widths to 12' or area rugs (standard sizes), 9 colors, \$9.95 per sq. yd. Cabin Crafts, 7 E. 35th St., N.Y., N.Y.

On Readers' Service Card, Circle 112

Machines on Wheels



Almost any business machine can travel in style with this neat table on wheels. The unit is 26" high and has a double laminated plastic self-edged top (18" x 31½") of textured gunstock walnut with satin or mirror chrome legs. Approximately \$60. Cramer Industries, Inc., Kansas City, Kansas.

On Readers' Service Card, Circle 113

Shock Therapy for Rugs

Barwick and Monarch Mills' nylon carpets no longer let the sparks fly because of their new static repellent "No Shock" process, which is said to reduce static level to the point where electrical charges are virtually eliminated. Applied to the back of the fabric, before the latex binder and the final double backing, "No Shock" is a special conductive coating that is permanently locked into the carpet. It is not affected by wear and never needs to be reapplied. Manufacturer also claims a reduction in soiling due to static loss. All the company's nylon carpets are now treated with "No Shock." E. T. Barwick Mills, Inc., Chamblee, Ga.

On Readers' Service Card, Circle 114

Adjustable Library Shelves

Bookcases for offices, classrooms, or libraries combine polished steel tubular corners and the richness of natural wood and grained laminated plastic. Though the solid walnut shelves are completely adjustable, manufacturer claims

frame construction is rigid enough to withstand the most demanding weight loads. Top and base frame boards are finished in a choice of enamel colors. Models in 42", 60", and 84" heights, 10" and 20" depths; optional back panels in 36" sections. Haney School Furniture Co., 1600 Berkey, S.E., Grand Rapids, Mich.

On Readers' Service Card, Circle 115

Executive Furniture



The "Officers Collection" by Drexel includes desks, chairs, cabinets, and conference and occasional tables. Post-and-beam structure of the legs makes the cases, in contrasting wood, look suspended from it. American walnut solids and veneers have been given a protective top coating for easy upkeep. Drexel Enterprises, Inc., Drexel, N.C.

On Readers' Service Card, Circle 116

Modern French Furniture

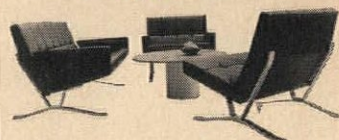


Olivier Mourgue of France has designed two groups of seating. The first consists of eight sculptured pieces—chairs, a loveseat, single and double benches, and a chaise longue (upper photo). Construction is of tubular steel with rubber webbing and molded foam rubber padding covered in

stretch fabric of vibrant colors. The other group, which is good for public spaces, is constructed of flat stainless-steel bars with rounded edges; installed over flat suspension springs, the foam rubber upholstery is covered in black leather sewn in horizontal ribbing. This group includes an unusual back-to-back chair (lower photo), a low and a high-backed chair, a small bench/ottoman, and a chaise longue. George Tanier, Inc., 305 E. 63rd St., N.Y., N.Y.

On Readers' Service Card, Circle 117

Snappy Black



JG Furniture is now showing Dave Woods' "I/S" group—chair, settee, and sofa—wherein emphasis is on flexibility as well as appearance. Each piece comes with or without arms, so as to fit many layouts. The designer notes that a 1" contour separation between the upholstered elements allows for physical flexibility as well as providing subtle visual interest. The understructure is of stainless steel, the upholstery of vinyl or leather. All pieces can be made longer on a 7½" module. Height: 28"; depth: 30½". Tentative list prices (leather armless): chair, \$788; settee, \$1095; sofa, \$1495; arms approximately \$100 more. JG Furniture Co., 160 E. 56th St., N.Y., N.Y.

On Readers' Service Card, Circle 118

Tip Off on a Tip-up



Lecture-theater chair measuring only 4¾" from front to back when tipped up is available in a range of woods and upholsteries, along with optional swivel armrests, folding desk shelves, modesty panels, ashtrays, and front row screens. All mechanical devices are hidden; the underside of the seat is upholstered for

maximum acoustical effect. Height: 27½"; seat width: 18 ⅝"; seat depth: 14", 21" on centers. Approximate price (F.O.B. factory): \$28; three-month delivery on orders of up to 500 chairs. Horace Olaf Limited, First Ave., Queenborough, England.

On Readers' Service Card, Circle 119

Hard-Hearted Desks



Of three new furniture groups by Croydon, three "Advantus" desks are most original, combining steel interiors with wood cases. Also in the line are two tables and a side cabinet. Interior parts of desks are die-form steel; exteriors are walnut veneers, quarter cut and book matched; tops are mar-resistant. The bright chrome legs come in two variations: wood inlay on the vertical member or a tapered horizontal. Croydon Furniture Corp., a division of Royalmetal Corp., 1 Park Ave., N.Y., N.Y.

On Readers' Service Card, Circle 120

Spaced Frame

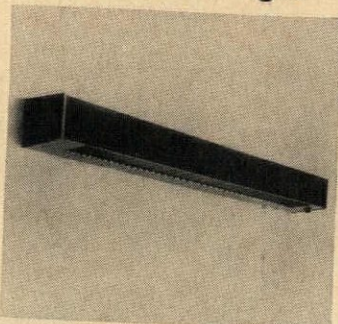


For those who want a "residential" feeling about their "office" furniture, the gap has been bridged with tufted, wood-framed seating (settees, sofas, armchairs, and side-chairs) from Jens Risom. A slight separation between backrest and supporting frame is accomplished by means of wood spacers. Frames are of solid white ash or American walnut; angled back legs are steam bent; upholstery fabric

or leather is available button-tufted, with or without intervening seams. Dimensions: 30⅞" deep x 32" high. Jens Risom Design Inc., 444 Madison Ave., New York, N. Y.

On Readers' Service Card, Circle 121

Four-in-One Light

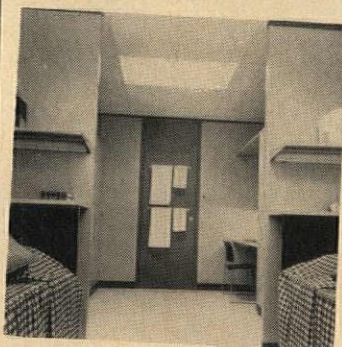


Hospital light fixture, encasing two fluorescent and two incandescent tubes that function separately, can serve four purposes: indirect fluorescent uplight for general illumination; direct fluorescent downlight for reading (baffles control glare); indirect, high-intensity, incandescent uplight for examination (with 200-w reflector flood lamps at either end of fixture optionally included); and low-level, incandescent downlight as nightlight. Functions are individually controlled. All-aluminum case can be enameled oyster white or espresso brown; alternate front can be walnut panel. Designed by Ted Greene and Noel Florence for Lightolier, 346 Claremont Ave., Jersey City, N. J.

On Readers' Service Card, Circle 122

Services

Built-In Rooms



Prefab dormitory room units are designed for installation inside a building shell with exterior walls, floors, and suspended ceilings. Fabricated in a "wide range of designs to meet architects' requirements," the room units contain built-in beds, desks, wardrobes, shelves,

and fluorescent lights over the beds. Walls are acoustical panels with a foam plastic core covered by steel skins finished in baked enamel. Standard designs are for single rooms, double rooms, and two room suites. Washrooms are included in package. Rooms are said to be economical to maintain and easy to assemble or disassemble. The General Fireproofing Co., E. Dennick Ave., Youngstown, Ohio 44501.

On Readers' Service Card, Circle 123

The Model Plant

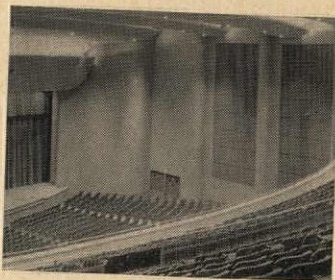


Scale models aid designers and management with problems too complex to be handled adequately by plans alone. For plant layouts, machinery and equipment can be placed in various arrangements to determine the most efficient use of space. Models also assist designers in placing intricate piping systems, and guide work crews in the field. Generally built to ⅜", ½", or ¾" scale, the models are also made for architectural applications. Illustrated is a Plexiglas model of the nuclear steam power plant being built by Washington Public Power Supply System at the Hanford Atomic Reservation, Washington. United Scale Models, Inc., Chester, Pa.

On Readers' Service Card, Circle 124

Adjustable Louvers

Alter Acoustics



Custom-designed, pneumatically controlled louvers change auditorium's reverberation time from 2.0 seconds (for music) to

1.5 seconds (for speech). Reverberation time is reduced by exposing panels of acoustic material set behind the louvers. Aluminum-faced panels are filled with urethane foam. Maker says panels can be moved silently during a performance. Conceived by Walter A. Scholer & Associates, architects, and designed by Construction Specialties, Inc., the system has been installed in an auditorium at Ball State Teachers College, Muncie, Ind. (illustrated). Construction Specialties, Inc., 55 Winans Ave., Cranford, N.J.

On Readers' Service Card, Circle 125

Brick Panels

A patented process for bonding brickwork enables manufacturers to prefabricate reinforced brick panels at a factory. Panels can be built to any size suitable for transporting to a job, thus reducing site labor. Panels can be single or double wythe for wall or pier construction. Masonry Panels Inc., 3507 Milam St., Houston, Texas 77002.

On Readers' Service Card, Circle 126

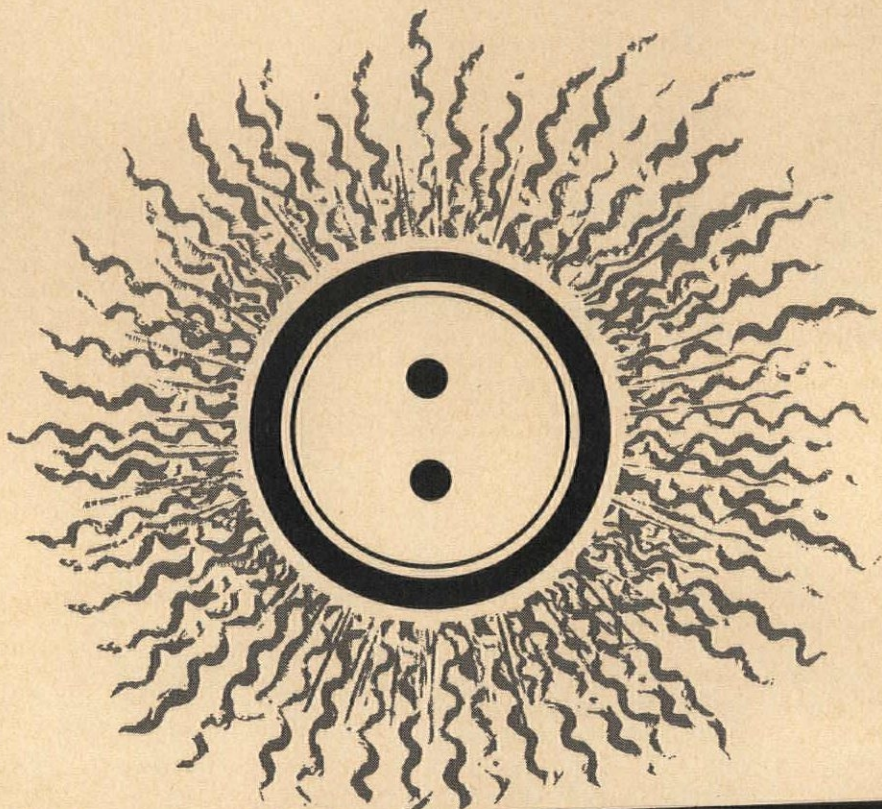
Special Equipment

Bidding On Microfilmed Plans



"Scan" system involves micro-filming of architectural plans and mailing them to potential bidders. Subscribers view the microfilms on a patented projection table installed in their offices. Set of plans weighing 50 lbs can be mailed first class in a package the size of a cigarette pack. System benefits include making subcontractor "take-offs" outside regular business hours, bidding in a wider geographical area, and the elimination of blueprint purchase and deposit expense. Subscribers pay a fee for each

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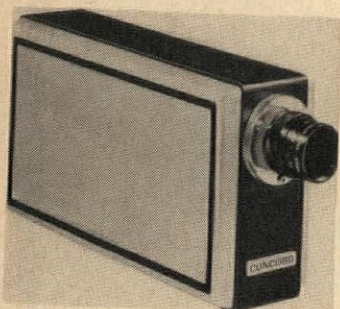
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film plus a monthly lease fee for the Scan projection table on which the microfilm is viewed. Photronix Inc., 111 South Meramec Ave., St. Louis, Mo. 83105.
On Readers' Service Card, Circle 127

Smile, When You See The Red Light



Economical camera for closed circuit TV can be connected to any television set or video monitor. Compact camera (3" x 5 1/4" x 9 3/8") has automatic light adjustment and is suitable for hospitals, apartment houses, schools, and industrial uses. Concord Electronics Corp., 1935 Armacost Ave., Los Angeles, Calif. 90025.
On Readers' Service Card, Circle 128

Pick A Card ...



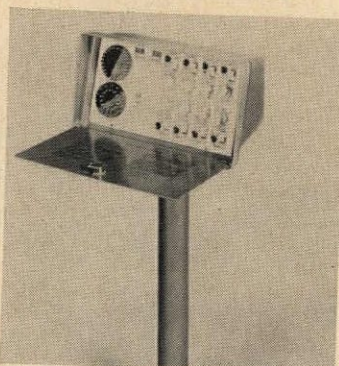
Electronic scanning system retrieves files in 3 to 5 seconds even though folders are not stored alphabetically. System is controlled from an electronic keyboard or operated automatically by punched tape. When machine finds folder, it pushes out material and signals to keyboard operator. The Mosler Safe Co., Hamilton, Ohio.
On Readers' Service Card, Circle 129

Hot from Frigidaire

Built-in ovens are now available with "meal-minding" controls that automatically lower oven temperature after initial cooking period. Seven 24" models have drop-leaf doors;

three units with "glide-up" doors are 31" or 41" (double oven). Available in colors or copper and brushed chrome, with or without glass doors. Frigidaire Div., General Motors Corp., Dayton, Ohio 45401.
On Readers' Service Card, Circle 130

Push-Button Rain



Automated lawn and garden sprinkler system has an eight-station control clock that can be set to water the eight areas in 1 to 14 day intervals and in cycles ranging from 1 to 30 minutes. Small enough to be hidden behind shrubbery (12" x 8" x 8"), the "Rain-Clox" control box can be set for manual operation when additional watering is needed. Or it can be shut off in case of the real thing. A larger model is also available for golf courses. Rain Bird, Glendora, Calif.
On Readers' Service Card, Circle 131

Custom Casting



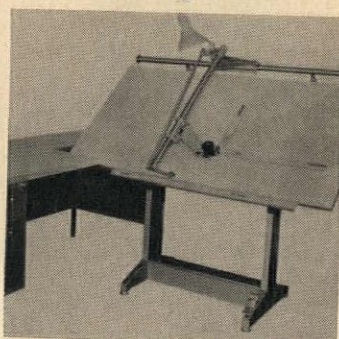
Large, custom-made bronze or aluminum plaques for exterior or interior walls need not be heavy, states manufacturer. Sand-casting techniques for thin sections restrict weight of a 20'-high aluminum bas-relief figure to 1000 lb. Company also casts fascias and spandrel panels. Shown is the Pennsylvania State Coat of Arms, sculptured by Charles Rudy for the William Penn Memorial Museum in Harris-

burg, Pa. The Michaels Art Bronze Co., Inc., Erlanger, Ky.
On Readers' Service Card, Circle 132

A Case for Bronze

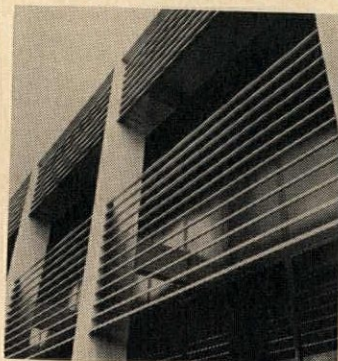
Store display case framed with bronze members is buffed and coated for protection against wear. Display cases are fitted with a variety of interiors and panel faces, which include wood, plastic or enamel. The 20"-deep by 42"-high cases are 4' or 6' long. Custom work available. American Store Equipment Corp., Muskegon, Mich.
On Readers' Service Card, Circle 133

The L-Shaped Drafting Desk



An L-shaped arrangement of a drafting table and a reference desk reduces a draftsman's movement and increases his speed, says the manufacturer of "Valagraph." The metal Valagraph table and desk stand at right angles to each other. The board is available in four standard sizes; the desk in two. Vanlaarhoven Associates, 6692 Mount Lowe, Buena Park, Calif.
On Readers' Service Card, Circle 134

Long Span Sunshade



Extruded, hollow aluminum sunshades with an airfoil-shaped cross-section are available for fixed or operative installations. Fixed sunshades can span 18' between supports or extend 32' vertically

without bracing. Operated sunshades can span 12' horizontally or 18' vertically. Construction Specialties Inc., 55 Winans Ave., Cranford, N.J.
On Readers' Service Card, Circle 135

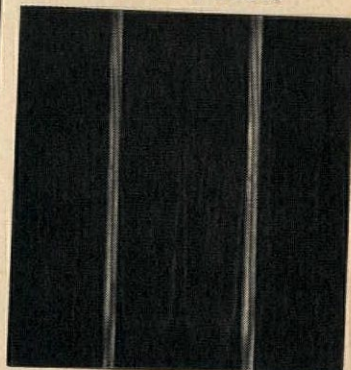
Surfacing

Block Flooring

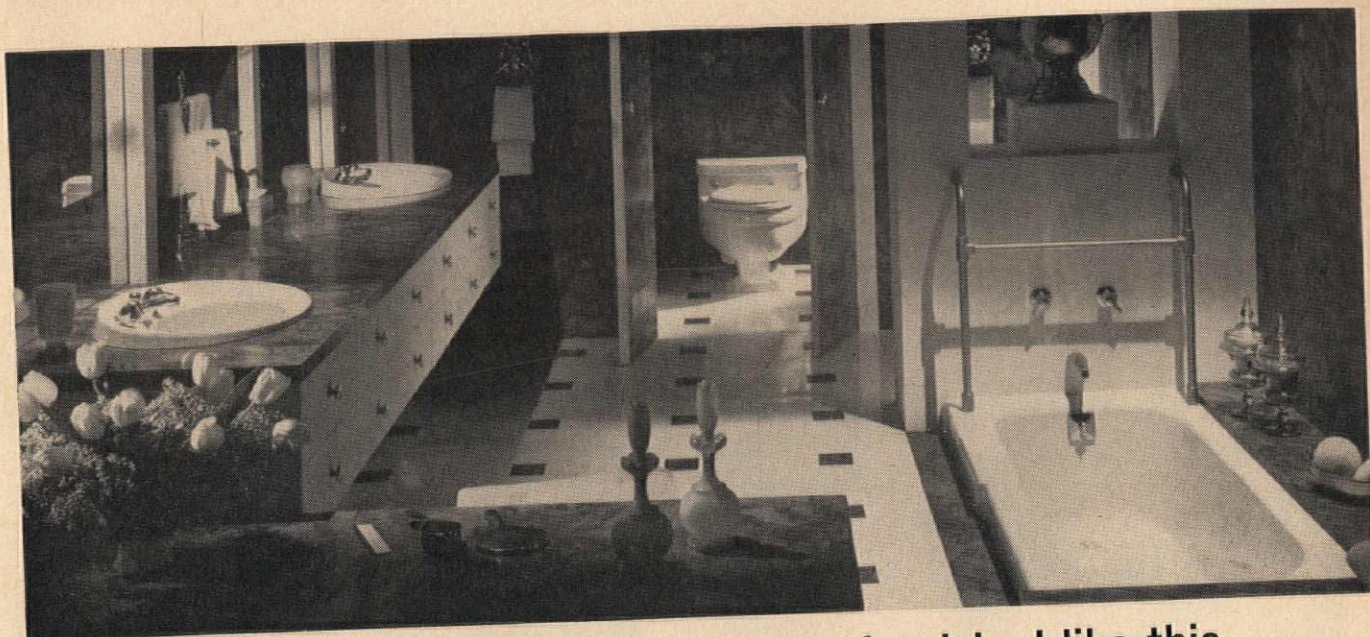


"Monaco" prefinished solid-block flooring consists of 5/16" x 16" x 16" blocks, each formed of four smaller squares. It is available in white oak (either natural finish or toast brown), oak, walnut, cherry, and teak. Contrasting woods can be specified for the composite pieces for interiors that require special effects. Since the flooring is solid hardwood rather than laminate, it can be used on suspended concrete or other subfloors and over existing floors. Wood-Mosaic Corp., 5000 Crittenden Drive, Louisville, Ky.
On Readers' Service Card, Circle 136

Inlaid Panels



Prefinished panels are made from 1 1/4"-wide planks alternating with 1 1/4" strips of a contrasting wood. Panels are 1/4" thick, 4' wide and 8' or 10' long. Five combinations are available: rosewood with teak, walnut with teak, teak with rosewood, cherry birch with walnut, and elm with walnut. Evans Products Co., Building Materials Div., P. O. Box 3295, Portland, Oregon.
On Readers' Service Card, Circle 137



Executives who come from homes furnished like this...



...appreciate office lavatories like this

The pictures above make the point. Office washrooms can be as handsomely functional as an executive's own bathroom at home. They can be made just as personal, too—designed to reflect his taste and the dignity of his office.

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The "6300"

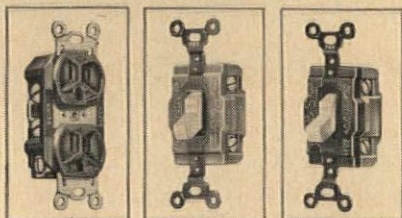
... newest of the P&S super devices

This is the new super "6300" by Pass & Seymour. Made without compromise... for the job where only the best will do.

The body and top are molded of high impact Melamine. All contacts are reinforced by plated spring steel clips... and each contact is individually recessed. May be side or back wired—with up to No. 10 wire. Assembly screws are threaded into the metal strap, not the plastic body.

The "6300" is for installations facing years of rough usage. It looks different because it is a truly different heavy duty outlet.

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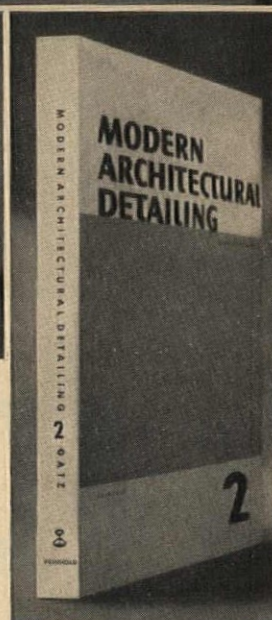
6200 3-Wire Grounding Outlet Companion to the "6300" with 15 amp. rated Capacity.

1001-I and 1021-I Switches Heavy duty, shallow body switches for installations requiring continuous, dependable service. 15 amp. switches are color coded blue; 20 amp., red.

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On Readers' Service Card, circle No. 371



A complete
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of detailing in
contemporary
architecture

MODERN ARCHITECTURAL DETAILING: Vol. II

Edited by Konrad Gatz

1965 284 pages 500 illustrations (40 in color) \$17.50

This book illustrates how some of today's leading architects have solved the detailing problems which have faced them. It is divided into three main sections: (1) Structural Details which covers everything from details found in steel-framed and reinforced concrete buildings to garden pools and fountains; (2) Details Of Interiors and Fittings; (3) Unity Of Detail which deals exhaustively with five complete building projects notable for their excellent design. The detail work of more than 250 American and European architects is examined with a view toward aesthetic quality, technical soundness and originality. The value and uses of both new and traditional materials are discussed in relation to structure, exteriors, interiors and landscaping, providing a wealth of ideas and information for the architect, draftsman, designer, building contractor, and interior decorator.

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MANUFACTURERS' DATA

Air/Temperature

Blowing Hot and Cold

Through-the-wall heating units can be converted to air conditioning a room without piping or wiring changes. Booklet illustrates units and controls, lists dimensions, connections, and capacities, and offers suggested specifications. 16 pages. American-Standard, Industrial Div., Detroit, Mich. 48232.

On Readers' Service Card, Circle 200

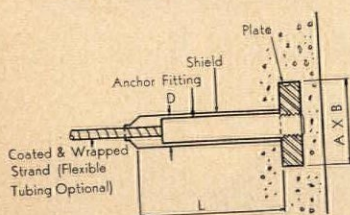
Unit Heaters

Brochure of gas-powered unit heaters gives dimensions of three models and illustrates the heating coverage for several types of air deflectors. Brief specifications tabulate optional and standard equipment. 6 pages. Modine Manufacturing Co., 1500 De Koven Ave., Racine, Wis. 53401.

On Readers' Service Card, Circle 201

Construction

Stressing Tendons



Pamphlet describes a French strand tendon now available in the U.S. Chart indicates available sizes and loading capacities; simplified drawings show fixed and free anchorage details. Also included are pictures of a few applications, brief specifications, and table of jack dimensions. 8 pages. Stressteel Corp., 221 Conyngham Ave., Wilkes-Barre, Pa. 18702.

On Readers' Service Card, Circle 202

Steelwork Exposed

A new manual, "Exposed Steel, Architectural Design Details," covers the history, properties, availability, and appearance of structural steels that can be painted and left exposed, or can be exposed without protection against atmospheric conditions. The book offers specifications for

these steels and for finishing and protecting them. Well-produced details illustrate applications for several types of buildings. United States Steel Corp., 525 William Penn Place, Pittsburgh, Pa. 15230.

On Readers' Service Card, Circle 203

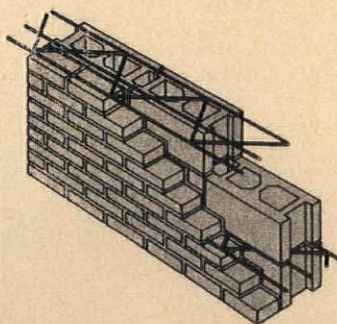
Fold and Glue



Design manual for plywood folded-plate roofs spanning from 24' to 100' simplifies design procedures with selection tables for slopes, bay widths, plywood sizes, contact area for gluing, bearing areas, and, where necessary, tie rod sizes for wide range of spans and loading. Connection details and construction photos are also included. American Plywood Assn., Tacoma, Wash. 98401.

On Readers' Service Card, Circle 204

The Tie That Binds



Booklet about welded steel reinforcement for masonry wall construction illustrates typical applications for several types of walls, recommends reinforcing sizes and placement, and shows how and where to use ties to strengthen walls. 16 pages. Dur-O-Wal, National Inc., P.O. Box 150, Cedar Rapids, Iowa 52406.

On Readers' Service Card, Circle 205

Vermiculite Concrete

Reprint of American Standard Specifications for Vermiculite

concrete covers materials, properties, mixing, placing, and curing of lightweight concrete for roof decks and slabs on grade. 12 pages. Vermiculite Institute, 4725 Olson Memorial Highway, Minneapolis 22, Minn.

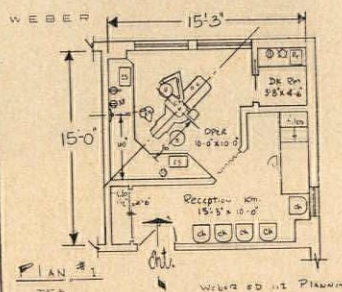
On Readers' Service Card, Circle 206

Specs for Stainless-Steel Curtain Walls

A guide for specifying stainless-steel curtain walls or stainless-steel components used in curtain walls. Notes clarify items that vary with different projects. These specs, which follow the AIA format, are produced with the cooperation of the Committee of Stainless Steel Producers and the American Iron and Steel Institute. The International Nickel Co., Inc., Reader Service Dept., 67 Wall St., New York, N.Y. 10005.

On Readers' Service Card, Circle 207

Dental Planning



Book illustrates layout plans for dental offices. Plans include dimensions of laboratories, darkrooms, operatories, and reception rooms. Plans range from 147 sq ft to 3600 sq ft for multiple operatories. Publication "SD-112 Office Planning." 134 pages. Weber Dental Mfg. Co., 2206 13 St., N.E., Canton, Ohio. 44705.

On Readers' Service Card, Circle 208

Extruded Shapes . . .

. . . in stainless steel, carbon and alloy steel, nickel-base alloys, and titanium in many profiles, both hollow and solid. Stock shapes and made-to-order designs are available. 18-page booklet includes photos, profiles, technical information, and a specifications table listing chemical composition and mechanical properties.

The H. M. Harper Co., 8200 Lehigh Ave., Morton Grove, Ill. 60053.

On Readers' Service Card, Circle 209

Steel Roof Deck

Two profiles of ribbed decking are available in 18- to 26-gage steel. Leaflet lists physical properties, safe load tables, and dimensions of decks. 4 pages. Penn Metal Co., Inc., Parkersburg, W. Va.

On Readers' Service Card, Circle 210

Air Structures

Brochure describes air-supported shelters suitable for warehouses and recreational use. It briefly shows what the shelters are made of, how they are anchored, how they are inflated, and how doors are built into the shelter. 8 pages. Bird-air Structures, Inc., 1800 Broadway, Buffalo, N.Y. 14212.

On Readers' Service Card, Circle 211

Doors/Windows

Sliding Glass Doors

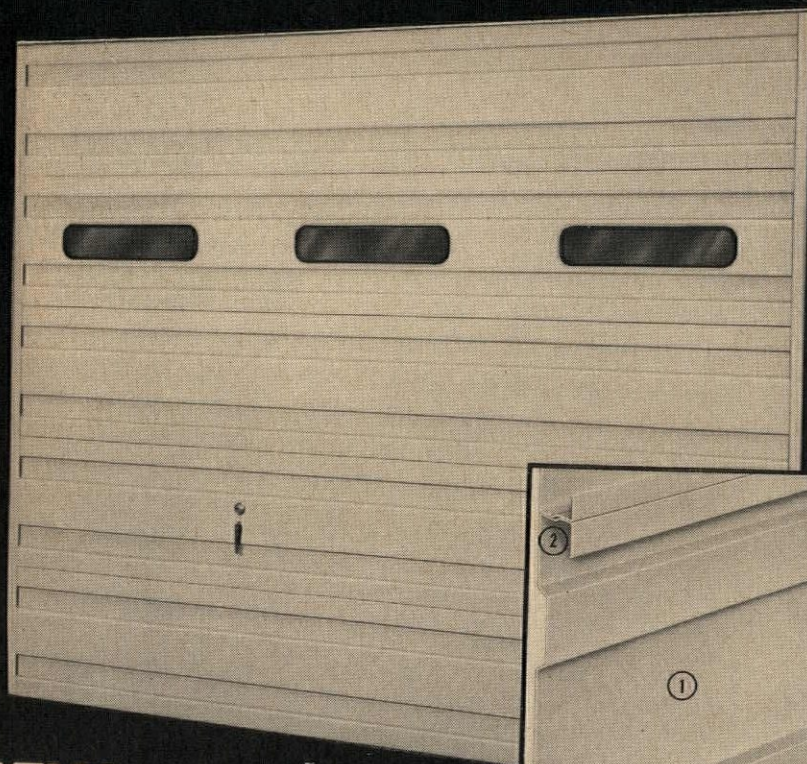


Revised catalog is divided into four series of aluminum sliding glass doors: lightweight 600's for volume project construction; the sturdier 700's; 800's for "monumental type" installations (stock or custom); and 715's, which have been designed for high-rise buildings and have compensating jamb and head. Twelve-page catalog includes installation details, windload charts, sizes, and specifications. Northrop Architectural Systems, 999 So. Hatcher Ave., City of Industry, Calif. 91745.

On Readers' Service Card, Circle 212

Panel Show

Fir and hemlock panel doors are available in variety of de-



NEW from Crawford STEELMASTER Low-cost, all-steel Industrial door for any opening—any budget

Steel is the best material for many industrial door installations. STEELMASTER offers protection, strength, rigidity, durability under heavy usage. Use it in remote locations, wherever possible intrusion may be a consideration, wherever valuable equipment, products, or materials are to be safeguarded or hard, daily usage is a factor. Here are some of the features that make the STEELMASTER a great door.

Each section is ROLLED FROM A SINGLE SHEET for basic strength and to eliminate joints.

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Sturdy TWO-INCH THICK BOX SECTION CONSTRUCTION puts the entire steel section under tension; adds rigidity.

WELD-AROUND END CHANNELS, resistance-welded to box sections enclose section ends and provide heavy, 16-ga. member for attaching hardware.

INTERMEDIATE RIBS, 16-ga. double-radius formed, spaced 36"-48" apart, resistance-welded to sections and flanges, increase strength and rigidity.

ELECTRO-GALVANIZED FINISH is protected by SPRAY PRIME PAINT COAT ready for final painting.

Equipped with famous Crawford SAFETY TORSION SPRING mechanism—the best; more than two million in daily use.

STEELMASTER accepts all commonly used ACCESSORIES such as electric operators and control systems.

For prices and other information, call your local Crawford Distributor listed in the Yellow Pages under DOORS. Write for BULLETIN CD-3762.



Crawford Door Co.

4270-3 High Street, Ecorse, Michigan 48229

signs, with and without lights. Louvered doors are also shown. Catalog illustrates doors and lists sizes of components. 48 pages. St. Regis Forest Products Div., Libby, Mon. 59923.

On Readers' Service Card, Circle 213

Walls to Match Your Doors

Custom-made, solid-core wooden doors and matching plywood wall panels (custom or stock) are available in any hardwood veneer required. Two 16-page booklets (one for doors, one for panels) each include photos, construction details, and suggested specifications. Eggers Plywood Co., Two Rivers, Wisconsin.

On Readers' Service Card, Circle 214

Out of the Woods

Folding doors with laminated cores bonded to veneers of Philippine mahogany, oak, birch, pine walnut, or ash. 8-page pamphlet gives photos, details, size charts, and specifications. Rolscreen Co., Pella, Iowa.

On Readers' Service Card, Circle 215

On the Face of It



Fenestration and curtain walls in aluminum and stainless steel for large installations are available in various types and sizes. 28-page catalog gives details, specifications and photos. The Adams & Westlake Co., 1025 N. Michigan St., Elkhart, Ind. 46514.

On Readers' Service Card, Circle 216

Electrical Equipment

Shielded Ceiling

Pamphlet describes suspended ceiling system that prevents radio frequencies emitted by fluorescent lamps from inter-

◀ Readers' Service Card, No. 411



laboratory test puts lead on top



The new Cominco Product Research Centre in Sheridan Park near Toronto, Canada, has put lead quite literally on top. On top of the laboratory roof, to be exact. Only time will tell if this particular lead roof will pass all the tests of long use. However, many lead roofs have served for over 500 years, so no one is very worried.

Cominco's reasons for choosing lead roofing may well relate to your needs, too: 1) Lead will outlast the building it shelters. 2) With modern thinner, lighter, stronger lead-alloy sheets, lead installation costs are competitive with other metals. There's no "spring-back". Lead conforms easily

to the workman's will and the roof's irregularities. 3) The beautiful natural grey patina of lead only improves with age. 4) There's never any staining of adjacent stone, concrete, or light-colored painted surfaces. 5) Lead has high sound-proofing performance. 6) If building becomes out-moded, lead has high salvage value.

Want a roof you can install and forget? Then look into long-lived lead. Send for free illustrated Roofing Handbook with complete specifications and installation procedures for lead roofing. Write: Lead Industries Association, Inc., Dept. N-2, 292 Madison Avenue, New York, N. Y. 10017. 2414

On Readers' Service Card, circle No. 415

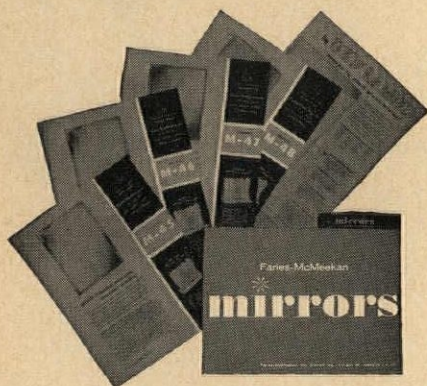


LEAD INDUSTRIES ASSOCIATION, INC.

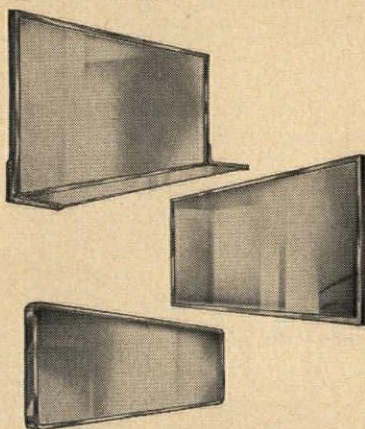
Look Ahead with Lead



THIS FILE BELONGS in your FILE



if you
specify mirrors



NEW file folder shows complete mirror line

For selecting and specifying mirrors, this easy-to-use file folder can serve as a quick, convenient reference. Each FM mirror model is illustrated, carries complete size range, and includes specification information. Write today requesting the number of file folders needed for your office.



Faries-McMeekan, Inc.

P.O. Box 35 Elkhart 2, Indiana

On Readers' Service Card, circle No. 345

fering with sensitive electronic equipment in the room below. Expanded aluminum honeycomb ceiling panels fit into suspended T-bars. 4 pages. Nova Industries, Inc., P.O. Box 1731, San Leandro, Calif. 94577.

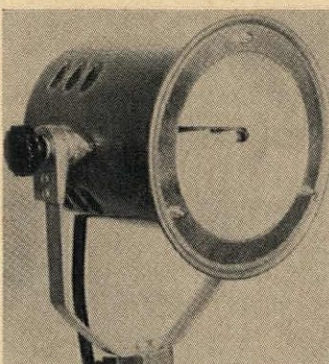
On Readers' Service Card, Circle 217

Low Brightness Fixtures

Brochure catalogs complete line of ultra-low-brightness down-lighting fixtures. Diagrams show how various lighting designs can be achieved by specifying combinations of fixtures, cones, lamps, and colors. Specifications are given for standard equipment and aperture matched, integrated equipment. Lighting & Electronics, Inc., 81 Prospect St., Brooklyn, N.Y. 11201.

On Readers' Service Card, Circle 218

"Give Me Some Light"



For Shakespeare in any medium, theater, TV, or movies, an extensive catalog of lighting equipment: quartz and quartz-iodine lights in spot-to-flood, fill, backlight, strip, etc., accessories, dimmer systems, and converters. Catalog gives charts, photos, and specifications. Price lists also included. ColorTran, 1015 Chestnut St., Burbank, Calif.

On Readers' Service Card, Circle 219

Furnishings Goodyear's Plastic Laminates

Samples of Goodyear's "Videne" plastic laminates are displayed in a fold-out book. Entire collection, one of the most impressive marketed, includes approximately 14 woods (with convincing texture), 35 colors (ranging from muted

STANLEY®

Automatic Sliding Entrances

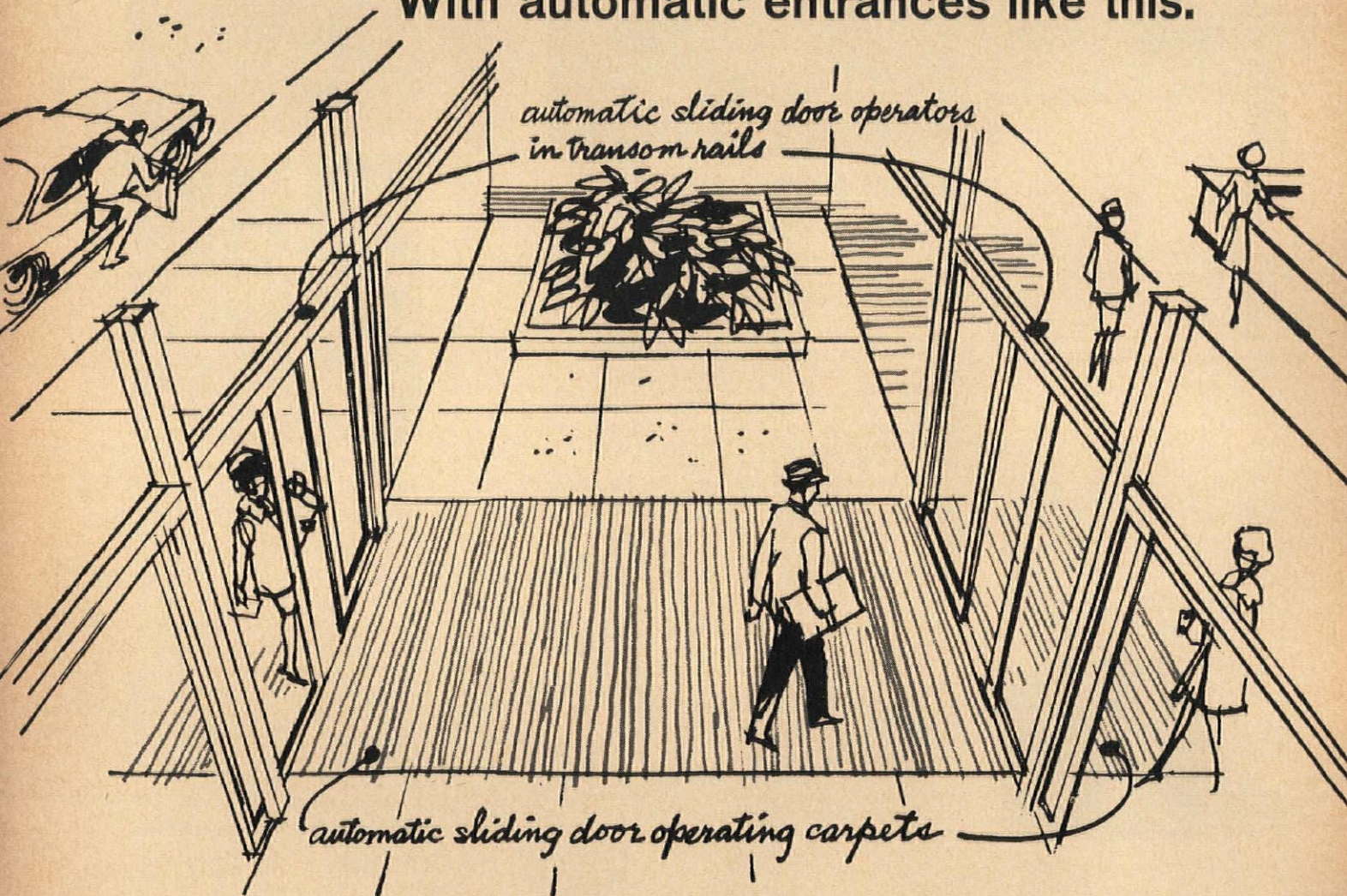
Call your nearest
Stanley Magic Door Distributor.

ARIZONA Phoenix Stanley Building Products, Inc. 4836 North 16th Street 602, 279-0324	NEW YORK Buffalo A. O. Stilwell Co. 85 Great Arrow Ave. 716, 877-4300
CALIFORNIA Los Angeles Hay Agency 4324 W. Jefferson Blvd. 213, 731-0871	Rensselaer Crawford Door Sales Albany Company, Inc. Sherwood Park 518, 477-9374
Sacramento Fontaine Door Co. 200 27th St. 916, 442-1842	Rochester The Maurer Co. 31 Richmond St. 716, 454-4990
San Diego Hay Agency 1460 Island Ave. 714, 234-6648	Syracuse B. R. Johnson & Son, Inc. 5900 South Salina St. 315, HO 9-3244
San Mateo Stanley Door Operating Equipment 4007 Pacific Blvd. 415, 349-2501	Woodside, L.I. Joseph Shaw 61-10 34th Ave. 212, 651-6363
COLORADO Denver Builders Service Bureau 1221 Bannock St. 303, TA 5-5244	OHIO Cincinnati Jed Products Company 4452 Sycamore Road 513, SY 1-3273
CONNECTICUT Hartford (exchange) The Stanley Sales Company 95 Hampton Avenue Needham Heights, Mass. 203, CH 9-6226	Cleveland Jed Products Company 8616 Garfield Blvd. 216, DI 1-1146
FLORIDA Miami Chuck Taylor, Inc. 270 N.E. 183rd St. 305, 624-2688	Columbus Jed Products Company 865 W. King Ave. 614, 291-4267
Orlando William A. Slater Co. 723 Brookhaven Drive 305, 423-3680	OKLAHOMA Oklahoma City Murray R. Womble Co. 121 N.E. 26th St. 405, JA 5-7417
GEORGIA Doraville Hatcher Sales Company 3596 Oakcliff Road 404, 451-6211	Tulsa Murray R. Womble Co. 216 East 16th St. 918, LU 4-2414
HAWAII Honolulu Theo. H. Davies Co., Ltd. P. O. Box 3020	OREGON Portland Bohm Automatic Door, Inc. 4075 N. Interstate 503, 282-4547
ILLINOIS Elk Grove Village Jed Products Company 239 King St. 312, 439-8080	PENNSYLVANIA Pittsburgh Jed Products Company 313 Freeport Road 412, ST 1-3666
Rock Island Jed Products Company 312 20th Street 309, 786-4576	Harrisburg Hersock's, Inc. 1513 N. Cameron St. 717, CE 8-7331
INDIANA Indianapolis Jed Products Company 3529 N. Hovey 317, WA 4-2446	King of Prussia The Sellers Company 395 E. Church Road 215, CH 8-1806
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KANSAS Hutchinson Supply Service, Inc. 1326 E. Avenue A 316, 663-9111	Nashville John W. McDougall Co. 41st & Indiana Avenues 615, 297-3595
Kansas City, Mo. Edelman-Lyon Company 325 W. 80th Street 816, EM 3-2460	TEXAS Dallas Automatic Door Control Co. 1175 109th St. Grand Prairie 214, AN 2-1474
LOUISIANA New Orleans A. Wylie McDougall Company, Inc. 909 So. White St. 504, 822-4100	Houston Shelton Greer Co., Inc. 3025 Maxey Street 713, 864-4487
MARYLAND Baltimore G. W. Blanchard Co., Inc. 857 Park Ave. 301, SA 7-0511	Lubbock Door Automation Sales & Service 308 East 34th St. 806, SH 4-7584
MASSACHUSETTS Needham Heights The Stanley Sales Company 95 Hampton Avenue 617, 444-7768	San Antonio Samuels Glass Company 221 Newell Ave. 512, 227-2481
MICHIGAN Grand Rapids Jed Products Company 3015 Madison, S.E. 616, 243-9163	Salt Lake City Building Specialties Co., Inc. 1340 South First West 801, 484-7882
Royal Oak Jed Products Company 31270 Stephenson Hwy. 313, JO 6-7922	VIRGINIA Richmond Tranco Sales Corp. 2515 Grenoble Road 703, 282-6936
MINNESOTA Minneapolis Pella Products 929 Washington, South 612, FE 5-4134	WASHINGTON Seattle Automatic Doorways 4401 Wallingford Ave. N. 206, ME 2-5686
MISSOURI Bridgeton Thos. J. Finan Co., Inc. 12409 St. Chas. Rock Rd. 314, 739-0130	Spokane The Carswell Co. South 123 Wall Street 509, RI 7-1575
MONTANA Great Falls The House of Glass 811 First Ave., N. 406, 445-1371	WISCONSIN Milwaukee Jed Products Company 11605 W. Bluemond 414, SP 4-1360
NEBRASKA Omaha The Roland Co. 1911 1/2 Military St. 402, 556-8820	DIST. OF COLUMBIA Washington G. W. Blanchard Co., Inc. 6210 Chillum Place, N.W. 202, TU 2-6210
NEW MEXICO Albuquerque Welch-Ervin Corp. 4019-C Edith Blvd., N.E. 505, 344-3547	CANADA Toronto, Ontario Pilkington Bros. Ltd. 55 Eglinton St., E. 416, HU 7-2471
	No. Vancouver, B. C. Necher Contract Hard. 1075 Marine Drive 604, 988-5221

Who is moving two-way traffic
most efficiently through
doorways?

Stanley is.

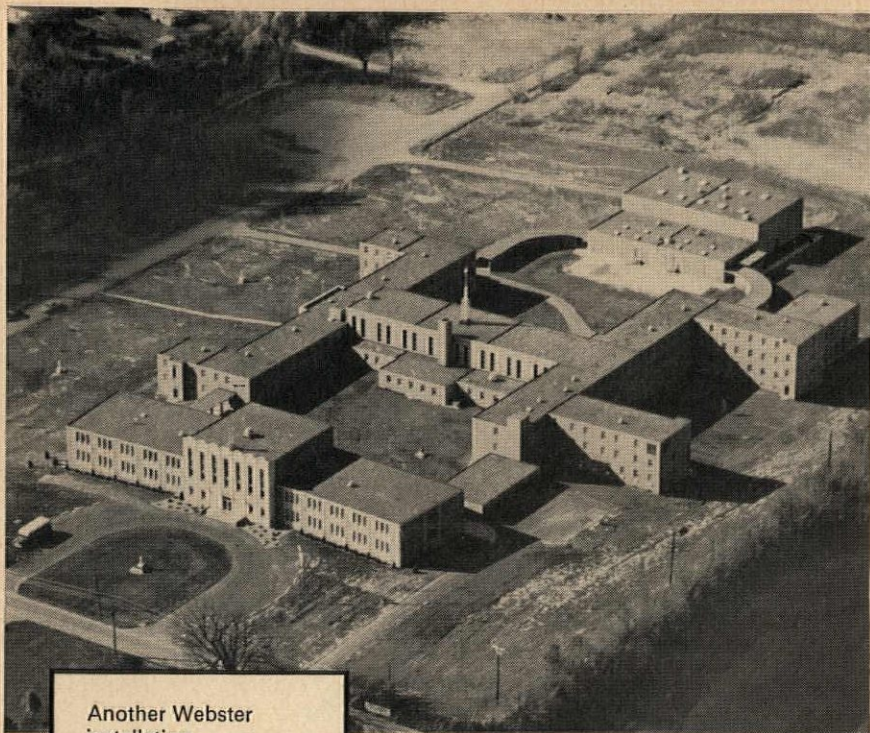
With automatic entrances like this.



You can eliminate doorway traffic jams by design! Get information on Stanley automatic sliding entrances. Write us for Folder No. M67-COM. Look us up in Sweet's. Or check under "Door Operating Devices" in the Yellow Pages. Stanley offers a complete line of famous MAGIC-DOOR® operators (pneumatic, hydraulic, electric), controls and accessories for doors that swing, slide or fold. Stanley Door Operating Equipment, Division of The Stanley Works, New Britain, Connecticut.

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WORKS®

CONSULT YOUR NEAREST MAGIC-DOOR DISTRIBUTOR LISTED AT LEFT



Another Webster installation
Our Lady of the Angels
Franciscan Seminary
Quincy, Illinois

This extensive complex is tied together with a network of 98 Telecom phones.

FROM WEBSTER: all the advantages of a custom installation with standard components

Telecom® private dial systems can be tailored to your client's specifications, whether he needs 2 phones or 500. Or more. And if there's a need for dictation service, automatic code call, conference circuit, area paging, hands-free speaker phones—you can provide it with Telecom.

But we're not talking about an expensive custom installation as such. It's all done with standard Telecom modules that fit in, adapt or modify the system as required. No need to compromise—tell your Webster representative what your specifications call for and he can plan it in.

Webster Telecom offers more than component versatility. It assures exceptional dependability because it's American made... built to the same high standards as your utility phone. All-automatic switchboards, for example, have solid state circuits. There are fewer moving parts—diode circuitry replaces line and line cutoff relays for trouble-free operation.

Talk to your local Webster Electric distributor*—he can offer you expert planning counsel and installation. Or, write direct.

Free—portfolio of case history reports covering large and small installations. Illustrates and describes intercommunication problems solved with modern Webster equipment.

*Listed in Yellow Pages

Telecom—Webster Electric's trade name for private dial telephone systems

COMMUNICATIONS DIVISION

WEBSTER ELECTRIC



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In Canada: Webster Electric (Canada), Ltd., Kitchener, Ontario

PRIVATE DIAL TELEPHONE • LOUD-SPEAKING INTERCOM • SOUND & PAGING SYSTEMS • TEACHING LABORATORIES

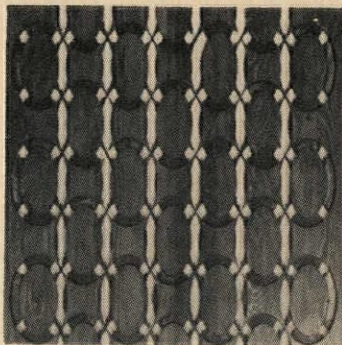
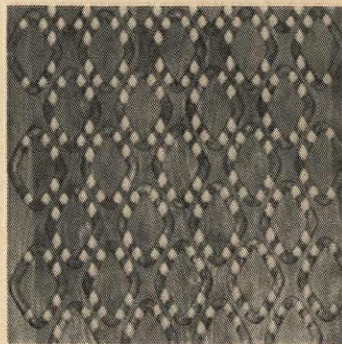
5057

On Readers' Service Card, circle No. 423

to bright tones in a fairly distinctive color range), 3 leathers, one travertine, a shantung, a white onyx, 3 arbitrary patterns, and a partridge in a pear tree. Pamphlet giving specifications also available. The Goodyear Tire and Rubber Co., Akron, Ohio.

On Readers' Service Card, Circle 220

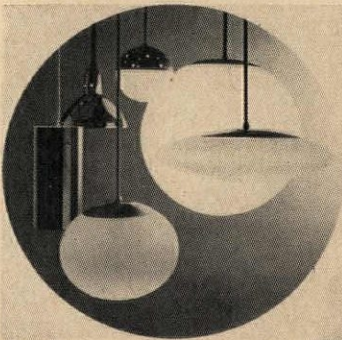
Panels and Stuff



Comprehensive catalogue illustrates all sorts of "decorative" panels to be used in screens, closet doors, windows, and case pieces. Of particular interest among much debris are some three-dimensional wood panels available in geometric, oval, free-form, and other intricate wood designs. 64 pages of color and black and white photos, charts, prices, specifications. Pinecrest, Inc., 2710 Nicollet Ave., Minneapolis, Minn. 55408.

On Readers' Service Card, Circle 221

A Little Light Laughter



Items of use in varied and uneven 90-page catalogue include spherical and ellipsoidal

pendants and ceiling fixtures, metal cylinders, and a variety of ceiling- and wall-mounted reflector-shades in metal and glassfiber. Also shown is a good selection of outdoor, garden, and walkway lighting. Besides, you will get a laugh out of a sleazy group of "Original Tiffany Designs"—a claim that might be good cause for legal action if the illustrated *tiffaniesque* "multi-color glass shades" were not so pitifully meager. EJS Lighting Corp., 921 East Pico Blvd., Los Angeles, Calif.
On Readers' Service Card, Circle 222

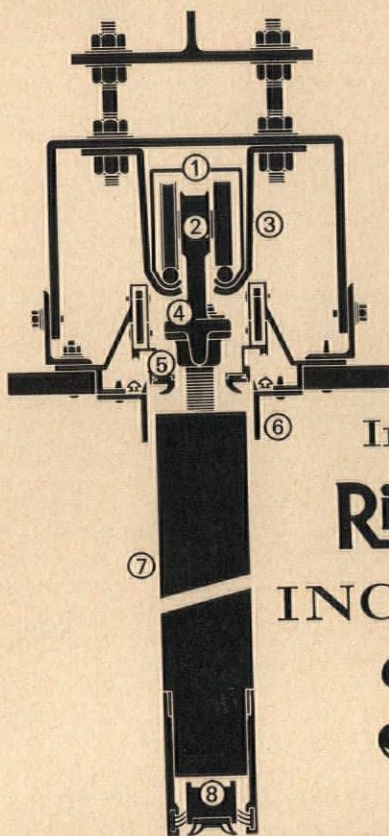
Northern Lights



Four-page full-color brochure describes the "Danlite" line of imported Danish, metal, pendant light fixtures. Ten designs include glass globes in a (bakers) dozen colors and metal shades of satin aluminum, copper, and brass in free-form and geometric shapes. Complete specifications, including sizes, colors, electrical data, and accessories, are included. Art Metal Lighting Division, Wakefield Corporation, 1814 40th St., Cleveland, Ohio.
On Readers' Service Card, Circle 223

Wheel of Color Fortune

A three-section portfolio, 10½" x 11½", presents Jens Risom's new all-nylon upholstery fabric, which is produced in 65 spectrum-planned colors. The fabric, a simple weave of two-ply yarns, has a good texture and is finished with Scotchgard and also with a butyl-acrylic backing, preventing seam slippage and pilling. The first two sections of the portfolio contain 2" x 3" swatches of all 65 colors, which slip out for matching and presentation (replaceable on request). The third section contains a booklet with the



Introducing the Richards-Wilcox INCOMPARABLE 380

A NEW DIMENSION IN OPERABLE CLASSROOM WALLS

All mechanical... and yet, it opens and closes so easily even a 90 lb. teacher can do it... effortlessly.



The ultimate in simple operation and sound control

1. Sturdy R-W special design No. 888 track made of 9-gauge steel—the strongest track being used by any maker of movable walls.
2. R-W special design hanger for ease of operation. Four sealed ball bearings, plus thrust bearing, virtually eliminates starting or rolling friction.
3. Cold-rolled bar runways minimize friction. Self-cleaning track, no maintenance.
4. Friction-free thrust bearing makes folding action of panels easy.
5. Continuous retractable 4-point top sound seal locks into place.
6. Durable aluminum top guides eliminate maintenance.
7. Sound retardant wall ratings as specified. Choice of panel surfaces.
8. Fully retractable floor seals. No floor track, dragging seals, motors, electrical fixtures, pneumatic or hydraulic operation.

WRITE FOR BULLETIN F-266

HUPP
CORPORATION

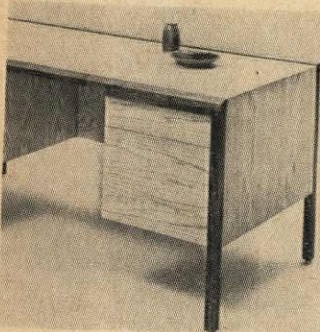
RICHARDS-WILCOX DIVISION
120 THIRD ST. • AURORA, ILLINOIS 60507

On Readers' Service Card, circle No. 429

"Chroma 1 Color Wheel", a guide in selecting effective color combinations of the fabric (either chromatic, related, or contrasting schemes) by a code method. The wheel simplifies color selection and ensures accuracy. \$5.25 including postage, deductible from first order. Jens Risom Design Inc., 444 Madison Ave., New York, N.Y. 10022.

On Readers' Service Card, Circle 224

Another Furniture Brochure



"Memo #7 from Helikon", a four-page, black-and-white brochure.

chure, presents, among other neat, serviceable designs, a white oak desk trimmed with walnut, which was designed by Robert Benham Becker. Furniture by the firm and five companies it represents also includes sofas, chairs, and occasional tables. Helikon Furniture Co., 315 East 62nd St., New York, N.Y.

On Readers' Service Card, Circle 225

Combination Pieces

Fold-out color brochure describes "Kopenhagen" line of free-standing and wall-hung shelf units, designed by Noral Olsen. Available for incorporation into units are desks, bars, tables, chests, and file-drawers. Manufacturer claims unique locking system for easy and permanent assembly. Both groups available in nine finishes; custom finishes upon request. Brochure includes measurements and prices. The Northwest Chair Co., 2201 South Tacoma Way, Tacoma, Wash.

On Readers' Service Card, Circle 226

Special Equipment

Hinge Binge

Concealed overhead door closers, checking floor hinges and pivots, double action, single action, center-hung and offset-hung hinges; hinges with springs and hinges without springs; many hinges for many types of doors; brass, bronze, zinc, nickel, chrome, and aluminum finishes—some bright, some dull. Data sheets in ring binder illustrate the hinges, tabulate available sizes, and show shop drawings. Bommer Spring Hinge Co., Inc., Landrum, S.C.

On Readers' Service Card, Circle 227

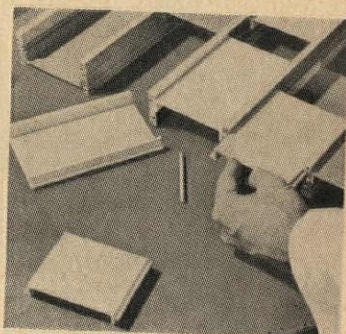
Keep It Clean

Cloth bag filters and electrostatic precipitators are described in two booklets. Solutions to typical industry air pollution problems are discussed briefly and photos of representative installations are

shown. Wheelabrator Corp., 760 So. Byrkit St., Mishawaka, Ind.

On Readers' Service Card, Circle 228

On Your Metals



Metal screens and railing systems, as well as bars, shapes, and tubing, are covered in 40-page catalog. Screens: Aluminum and plastic extrusions in two profiles, slip-fit together for making façade or interior modular screens; aluminum or black plastic finish or walnut laminate. Open-work screening is also shown.

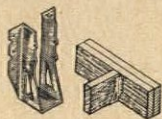
Railing systems: "Colorail System" has aluminum posts

Look to **TECO**

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

TECO U-GRIP JOIST HANGERS

1/2 the cost of old style hangers
Available for 2x4's to double 2x14's



TECO POST CAPS

Provide economical post and beam framing
Available in two types



TECO POST ANCHORS

Adjusted easily for correct positioning
Keeps bottom of posts off concrete slab



Look at **TECO's** product diversity

Joist Hangers
Framing Anchors
Floor Bridging
Split Rings
Shear Plates
Truss Plates
Toothed Rings
Post Anchors
Post Caps
Spike Grids
Plywood Supports
Utility Angles
Clamping Plates
Cantilevered Hangers
Siding Fasteners
Pneumatic Nailers
Wall Panel Jigs
Automatic Markers

... all designed for use with wood

Send for **FREE** Catalog



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TIMBER ENGINEERING COMPANY

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

On Readers' Service Card, circle No. 387

"UNI-TRACK"

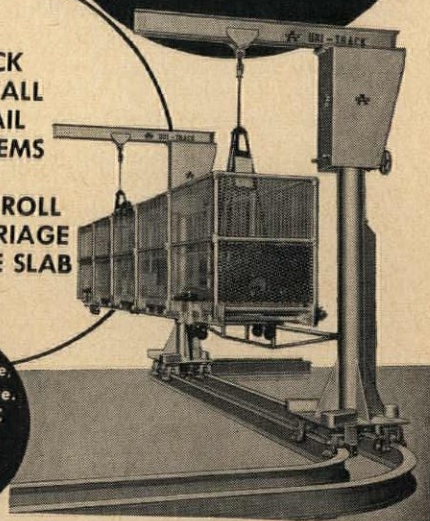
and

"CLIMBER"

POWERED WINDOW WASHING SYSTEMS

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

Write for 12-page, illustrated brochure.
ARA W-54-CC
AIA-35-J7
Specifications included



ALBINA ENGINE & MACHINE WKS.

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On Readers' Service Card, circle No. 321



NOW... a handy PULLDOWN SHELF

for restroom booths



A safe place for purses, gloves, packages, hats, coats, and briefcases. Attractively designed . . . quality built . . . self-clearing. Easily installed with just 2 bolts. A plus-factor in any building with public restroom facilities.



\$11.95*

F.O.B. Indianapolis
Finished in lustrous chrome

*Slightly higher in the west



Send for free specifications, price list and installation instructions.

The **NIK-O-LOK** Company
422 East New York Street
Indianapolis 2, Indiana

On Readers' Service Card, circle No. 369

A Fresh New Idea to Complement Your Designs

If you think asphalt pavement has to be dull, drab and uninteresting . . . or that it restricts your design capabilities, you will like the new concept offered by Vynatex 23. This is a new vinyl protective coating for blacktop that enhances over-all appearance by providing pavement colors which blend into or contrast with building designs or decorative schemes.



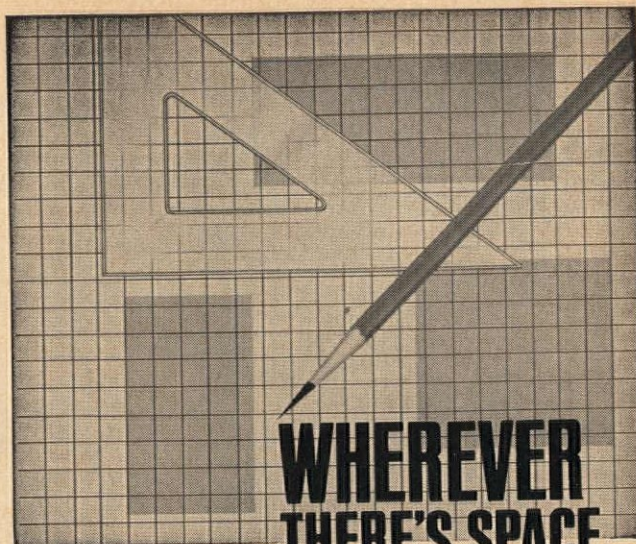
Vynatex 23, in grass green, brick red and concrete gray, offers release from blacktop color limitations. It provides a way for you to improve the decor and tone of almost every project you design.

In addition, Vynatex 23 is remarkably practical. It protects asphalt pavements against premature old age . . . keeps them free of loose stones . . . makes them easy to clean.

See our catalog in Sweets. Or write for Bulletin 1828.

Maintenance Inc., Wooster, Ohio

On Readers' Service Card, circle No. 359

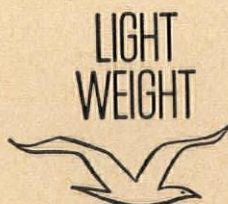


there's a Norris Walk-In to fit

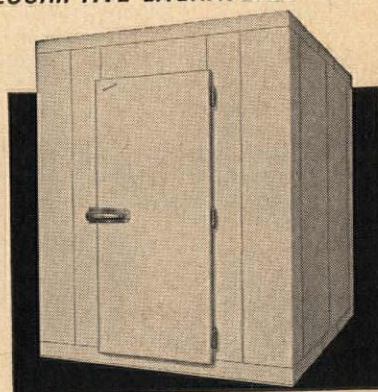
Wherever there's space, there's a Norris walk-in cooler, freezer, or cooler-freezer combination to fit, for Norris walk-ins provide complete installation flexibility. Available with or without floors, Norris walk-ins are pre-fabricated in two- and three-foot wall sections, four-foot door sections (7½' high), and can be set up in one-foot increments in any size—in almost any space—in new or existing buildings. The only tool necessary is a light hammer.

The modular panels of Norris walk-ins are all-metal—no wood to absorb moisture—and extremely light-weight. Standard exteriors are bonderized steel finished in white baked enamel, interiors are 22-gauge galvanized metal, with custom exteriors or interiors optional at extra cost. Ideal for every industrial, commercial or institutional refrigeration need, Norris walk-ins can be supplied with the proper self-contained or remote refrigeration equipment to meet any application.

WRITE FOR DESCRIPTIVE LITERATURE!



as low as
4½ lbs.
per sq. ft.
—reduces
freight costs



Norris
NORRIS DISPENSERS, INC.
2720 LYNDALE AVENUE SOUTH
MINNEAPOLIS 1, MINNESOTA

NORRIS—THE FIRST NAME IN MILK SERVING AND STORAGE EQUIPMENT

On Readers' Service Card, circle No. 370

Attention: You users of T-Squares and Straightedges

See How **VEMCO V-TRACK**
Drafting Machines Pay for
Themselves in the Very
First Month
of Use

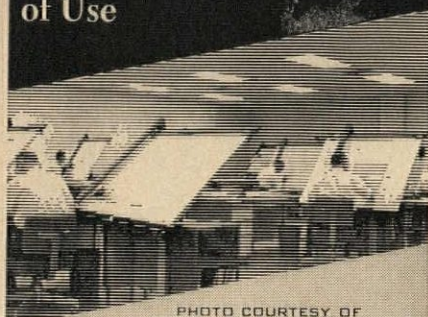


PHOTO COURTESY OF
BROWN & SHARPE MFG. CO.

FACT: Documented time-and-motion studies reveal time and money savings of 40% to 50% when VEMCO V-TRACKS replace outmoded T-Squares or parallel straightedges and triangles. If used on a steeply inclined board, both space savings and fatigue reduction are bonus benefits.

RESULT: VEMCO V-TRACK DRAFTING MACHINES CAN PAY FOR THEMSELVES in the first month of use.

SIMPLE ARITHMETIC:

Draftsman's Rate: per hour	\$3.00
40% Profit using VEMCO V-TRACK	1.20
8 Hrs. Per Day @ \$1.20	9.60
22 Working Day Month @ \$9.60	\$211.20
Typical List Price VEMCO V-TRACK	\$169.00

PROJECTION: Conservative estimate of useful life span is 20 years... each \$169. invested in a VEMCO V-TRACK will return \$50,688.00. Quantity prices for volume purchases produce still greater savings.

CONCESSION TO SKEPTICS: If a mere 10% increase in efficiency could be achieved, they would pay for themselves in three months!! (30 c per hour; \$2.40 per day; \$52.80 per month; \$633.60 per year; \$12,672. conservative lifetime).

CONCLUSION: Do something about it.

- (1) Send for a catalog with price list.
- (2) Arrange for a demonstration.
- (3) Order a VEMCO V-TRACK. DO IT NOW!!!



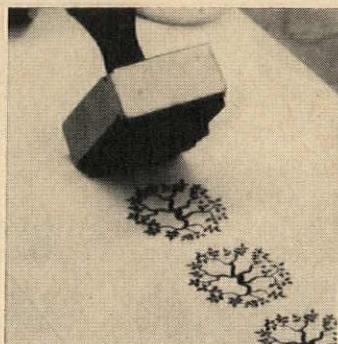
V & E MANUFACTURING COMPANY
766 South Fair Oaks Avenue
Pasadena, California 91105
Telephone: (213) 681-6796

On Readers' Service Card, circle No. 436

sheathed in colored plastic and plastic handrails in various profiles and colors. Railing systems also available in bronze, stainless steel, and aluminum. Catalog lists wide range of fittings and accessories. Julius Blum & Co., Inc., Carlstadt, N.J.

On Readers' Service Card, Circle 229

Stamp-Out Drafting



Rubber stamps provide "Instant Landscape" for architectural draftsmen. Instant trees, shrubs, people, cars, buses, trucks, planes, and even birds are made in scales from 3" to 1/16". Stamps are available in both plan and elevation; a selected group of vehicles is made in perspective. Extensive catalog, showing the many available designs, costs \$1. Instant Landscape, 520 Capitol Mall, Sacramento, Calif. 95814.

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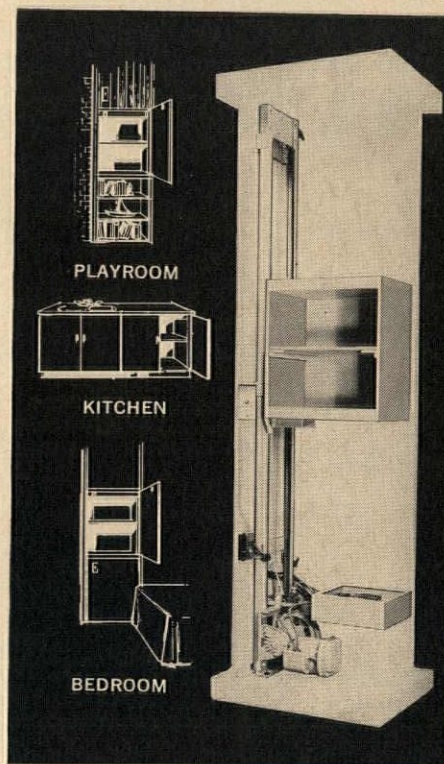
PROGRESSIVE ARCHITECTURE NEWS REPORT

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■ The pages of the March P/A are alive with the vibrant color that has swept through Braniff International Airlines. Next are two startling examples of the psychological effects—good and bad—of interior decoration. And you'll be interested in a look at the unique architecture of the CBS Ground Floor Restaurant.

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