

# P/A NEWS REPORT

*Progressive Architecture's Monthly Digest of Buildings, Projects, People and Products*

September 1968



## ILLINOIS CAPITOL RESTORED

SPRINGFIELD, ILL. On August 26, the 150th anniversary of the State of Illinois was marked in Springfield with ceremonies commemorating the rejuvenation of the old Illinois State Capitol building. It will be dedicated officially in December.

Since 1876, it has been the Sangamon County Courthouse. However, from 1839, when it was completed as a two-story Greek Revival structure designed by John F. Rague, until the legislature moved to a new building in 1876, it housed all the Illinois State government offices. The building saw much of Abraham Lincoln during his days as an Illinois legislator, and it was here that Lincoln gave his famous "house divided" speech: "A house divided against itself cannot stand. I believe this government cannot endure, permanently half slave and half free."

Structurally, the building was altered radically in 1899, when it was raised vertically 11' to provide a third story. (It was raised in 12 days by workmen using wooden hand jacks, who gave a quarter turn at each signal from the foreman.)

Now, the Springfield architectural firm of Ferry & Henderson is overseeing the return of the building to its original state. It will be completed this month. Not only will the structure be lowered to its original two stories, but

space will also be provided, in five basement floors, for the State Historical Library, containing papers of Lincoln and other 19th-Century Illinois legislators. Around the library will be underground parking for 465 cars.

Ferry & Henderson did research on the building for a year-and-a-half before they sat down at the drawing board. None of the original Rague drawings existed, so the architects prepared their own, working from the existing structure, from photographs, and from similar work done in similar buildings in the 19th Century.

In all, the \$6,400,000 project has taken three years, which is not long, considering the difficulty of the task. The 40"-thick walls were dismantled stone by stone, each of the 3000 stones being catalogued, marked, and stored, under guard, on the Illinois State Fair Grounds. When the underground parking and library work had been completed, the stones were trucked back to the site and reconstructed.

## CHAPMAN-REINHOLD, INC. MERGES WITH LITTON INDUSTRIES

NEW YORK, N.Y. On July 31, stockholders of Chapman-Reinhold, Inc., publishers of *PROGRESSIVE ARCHITECTURE*, exchanged their stock for that of Litton Industries, Inc. With the exchange, Chapman-Reinhold became Litton Publications, Inc., a communications division of Litton, responsible for developing and marketing improved methods of disseminating information. On page 60, P/A publisher Philip Hubbard, Jr., tells of the organizational change in a memo to P/A readers.

## MILK TRAIN TO OSAKA

WASHINGTON, D.C. The four-sphered, air-inflated, supported structure that was to have been the United States Pavilion at Expo 70 in Osaka,

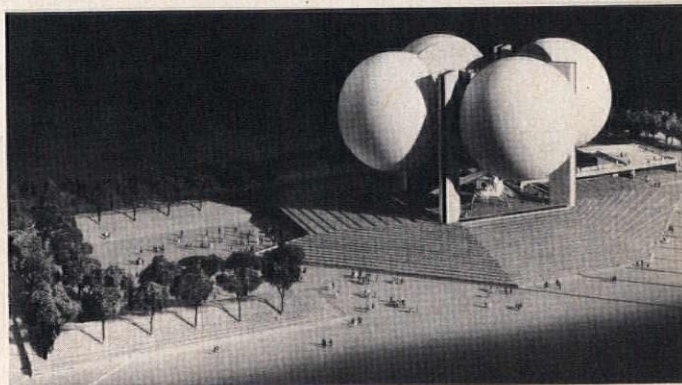
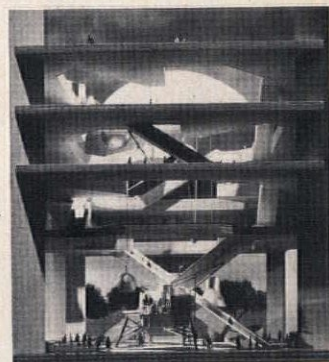
Japan, will never be built. Its budget deflated radically in July by an election-year appropriations cut, the pavilion is being redesigned.

Although there are cries of protest from those who equate best with biggest, significance with shininess, and prestige with prestidigitation, it is not at all certain that architects Davis, Brody Associates and designers Chermayeff, Geismar and de Harak will not do just as well on a reduced budget. Indeed, despite the excellence of the first design, they may do even better.

Expo 70 is the first Asian-based World's Fair given a First Category classification by the Bureau of International Expositions. First Category means that the Fair will be like those in Paris in 1937, Brussels in 1958, and Montre-

ing are of the social order.

Davis Brody's now defunct design would have used its four semi-spherical, hollow, air structures as theaters, where sound, light, and color would have been projected from the curved inner walls. Throughout the supporting framework and its interconnecting horizontal levels would have been the exhibits designed and collected by



Photos: Louis Checkman

al last year, with a full range of international participation and strictly controlled commercialism.

Seen in model form, the Davis Brody design for Osaka could undoubtedly be one of the U.S.'s most striking international exposition pavilions. But even so, the special environment of the Orient can make it possible for a pavilion scaled down from \$7,800,000 to \$4,800,000 to compete with the \$20-million blockbuster building with its hard sell that will inevitably be the Soviet pavilion. Nowhere in Japan is the scale of architecture — or anything else except perhaps Mount Fuji — vast. Delicacy and understatement are as much a facet of the architectural façade as bowing and tea drink-


Chermayeff, Geismar and de Harak.

Now, about a year after the original assignment was awarded the architects by the United States Information Agency, they will be starting again. The story of wasted money, effort, and pride is an old one for anyone who has dealt with the vast bureaucracy that is our Government. But the story does not have to be a tragedy. Scale, not money, can be everything at Osaka.

## 200-ROOM SILO WILL REFLECT DOWNTOWN ATLANTA

ATLANTA, GA. So successful has been the Edwards & Portman-designed Regency Hyatt





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hotel, in just a little more than a year of operation, that its owners have decided to add 200 more guest rooms, bringing its total capacity to 1000



rooms. They will do this by erecting a 25-story silo-like tower sheathed in bronze glass and aluminum above the hotel's grand ballroom. The center of the tower will house a three-elevator core. Ringing this, and cantilevered from it, will be the guest rooms, 10 per floor. In a way, the tower will be a mirror image of the Regency Hyatt's most striking feature: its 21-story sky-lighted interior court-lobby, which is encircled by the balcony-corridors of the guest-room floors (see pp. 160-162, JULY 1967 P/A). The focus of the addition will be outward, toward the city; that of the main portion is inward toward the courtyard.

Located in the new tower's base will be a 180-seat, two-story restaurant, reached by a circular staircase from the open court-lobby.

Construction is now under way, with completion of the \$3 million addition expected late next year.

# PHILIP H. HUBBARD, SR., RETIRES FROM CHAPMAN- REINHOLD CHAIRMANSHIP

NEW YORK, N.Y. Last month, at the age of 68, Philip H. Hubbard, Sr., retired from Chapman-Reinhold after 45 years with the company, 22 of them as president. For the past two years, Hubbard has been chairman of the consolidated corporation Chapman-Reinhold Inc., and his retirement comes at a time when the company, in whose growth he played such a large role, became part of the multimillion dollar family of Litton Industries (see p. 60). In 1945, when he became president of the Reinhold Publish-

ing Company, the company had annual sales of \$1,800,000. By 1967, this annual volume had grown to \$11,200,000.

Hubbard started his career in sales in New York selling advertising novelties; then Ralph Reinhold, who was publishing a magazine called *Pencil Points*, gave him the job of organizing a Chicago sales office. Although the Reinhold Chicago office had failed to catch on in two previous attempts, Hubbard made it work — so successfully that, in 1927, Reinhold brought him back to New York as advertising manager of *Pencil Points*. Two years after that, Hubbard, with one full-time and one part-time salesman, sold 2005 pages of advertising in one year for the magazine, a record that stood unbroken for 28 years. When



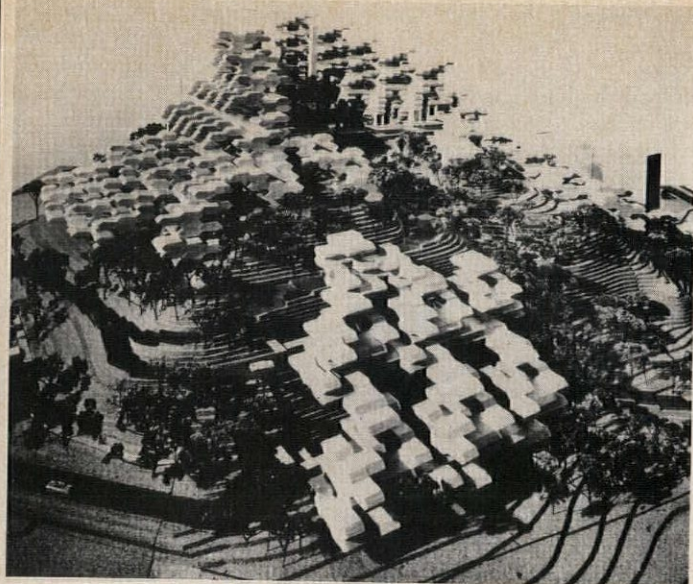
it was broken, the sales staff consisted of a sales manager, eight full-time salesmen, four part-timers on the West Coast, and a representative organization in the South.

Several years ago, commenting on the characteristics most responsible for Hubbard's success, Ralph Reinhold listed them as "an all-out devotion to the interests of the company, a high sense of fairness, the patience to take infinite pains, courage and unselfishness, and an uncanny publishing perception."

In his years with the company, Hubbard was not only responsible for the growth of *Pencil Points* into PROGRESSIVE ARCHITECTURE, but also for the formation and success of *Materials Engineering* and of the company's book division.

Hubbard lives with his wife in Pelham Manor, N.Y.





## HABITAT PUERTO RICO

SAN JUAN, PUERTO RICO. On a sunny hillside in the San Patricio area of San Juan, Moshe Safdie is planning some changes. There he will put up a modification of his Habitat '67. The largest modification will be in cost. He hopes to cut costs drastically with three basic alterations: in the weight of the modules, (cut from 90 tons to a more manageable 22 tons), in installation process (bathroom units, kitchens, windows, and mechanical and electrical equipment will be installed at the factory in larger units), and in modular units (limiting building blocks to three basic elements: precast modules, half modules, and parapet-planters). Safdie estimates that the 800 units of 221(d)-(3) housing can be put together for \$13,500,000, bring the cost of a 1000-sq-ft finished unit down to \$17,000, compared with \$100,000 for a 1380-sq-ft unit in Montreal.

A typical hexagonal module in Habitat Puerto Rico will contain 436 sq ft of usable space—a kitchenette, bedroom, bathroom, and din-

ing-living area. With the addition of a half module, Safdie creates a three-bedroom unit. By locking two modules together, the tenant is given a choice of four bedrooms. The system will use vertical post-tensioning between slabs and welded connections at the compression points.

By siting the structure on a hillside, Safdie hopes to avoid the need for elevators. Roads will spiral up to each level of the six-level clusters, providing residents with direct access to their particular floor.

The first-level units will be attached either to precast foundation walls or to pile caps, and subsequent units cantilevered from those below. As in Montreal, the roof of a lower unit will become the patio of an upper one.

Development Corporation of Puerto Rico, the project's developer-builder, plans to build a plant capable of turning out five modules a day.

Sales of the units started September 1. As soon as 20% are sold, factory construction will start, then on-site construction.

## A NEW OLD BOROUGH HALL?

BRONX, N.Y. Built in 1897 at the corner of Tremont and Third Avenues in the Bronx, the Old Borough Hall, is, according to the New York Landmarks Commission, "a good example of a public building through the nobility and scale of the architectural elements employed." Its architect was George B. Post,

who also designed the main building of the New York Stock Exchange. In his Borough Hall, he used brick and terra cotta, with high arched windows rising on the second and third stories of the three-story building.

Located on a rocky outcrop next to the Third Avenue El, the Borough Hall was

once the focal point of Bronx political life, and as such has been, more than any other building, linked with 70 years of the Bronx's growth and development. Now, although its façade and structure are essentially intact and sound, the general condition of the interiors is "disastrous." This description of its condition is part of a 124-page survey of the building's reconstruction and modernization, undertaken early in the year for the New York Department of Public Works by architect Giorgio Cavaglieri.

Cavaglieri's main task was to propose uses for the building that might justify its refurbishing, and his primary suggestion is to turn it into a community center. The site is actually an open one, in a corner of the Bronx's Crotona Park, and a community center there would not only bring people into the area but also strengthen the activities already provided. Cavaglieri suggests adding a pool, a gym, a little theater, a dining hall, a darkroom, a small library, and so on, and he believes this reconversion could be done, keeping the façade, for the relatively modest sum of \$2,700,000.

He has two other suggestions for possible uses: as the offices of the President of the Borough of the Bronx, and as an historical and cultural exhibit building. Least expensive of these projects would be the latter, which, he estimates, would cost \$1,700,000. All are good, sound suggestions and the Landmarks Preservation Commission, which designated the building an official landmark in October 1965, has given tacit approval to all of them.

But more than the commission's approval is needed to get the project moving. There is the question of money, and city officials are currently playing the grand old game of bureaucratic buck passing. The Department of Public Works says the next move is up to Landmarks. Landmarks says it is up to Public Works, and everyone concedes that it really depends on the Board of Estimate.

If, somehow, the path of Old Borough Hall's restoration can be smoothed through the bureaucratic maze, the city can regain a fine old building at a modest cost, and a neighborhood can regain a symbol of pride and continuity that it sorely needs.

## CROSTOWN EXPRESSWAY: PLANNING FOR THE NEIGHBORHOOD

CHICAGO, ILL. It will cost about \$146 million to build the first 3½ miles of Chicago's Crosstown Expressway. Eventually, there will be 22 miles, running from the Dan Ryan Expressway, past Midway Airport to the Kennedy Expressway, and the cost is expected to be \$650 million. Ninety per cent of that will be put up by the Federal Government, the rest by the city, county, and state. Federal approval seems virtually assured. The cost could go higher, because most of the expressway will be depressed below grade—a "groove-way" the *Chicago Daily News* is calling it.

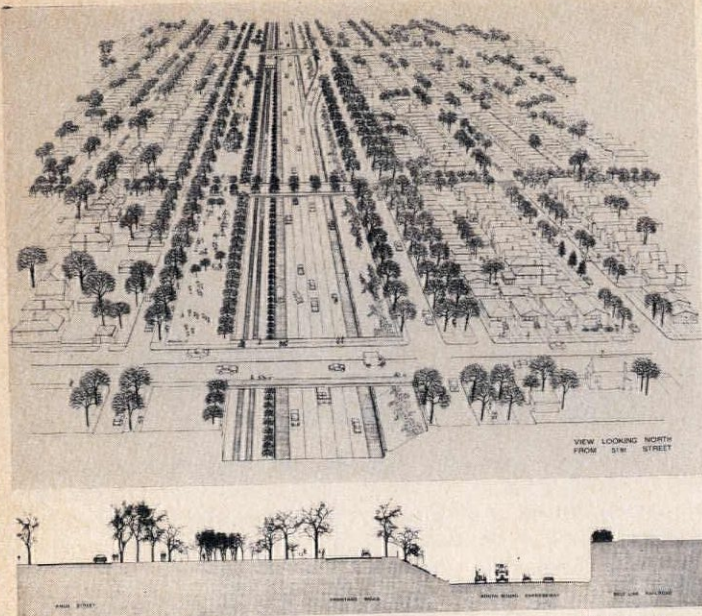
In Chicago, the groove appears to be in, and more conventional ways of siting and constructing expressways are out. But the Crosstown is not unusual merely for its depression. It may be, for instance, the first large urban highway with split roadways. (A por-

tion of an urban expressway in Baltimore is, of course, being planned along the same lines. But there is speculation, at least in Chicago, that the Chicago plans will be carried out first.) In Chicago, the north and the southbound roadways will be separated by a quarter of a mile, and plans are underway to use the intervening area and space alongside for parks, recreation, and industrial and commercial sites.



The Bureau of Public Roads, faced with mounting criticism of the urban miles of the interstate highway program, has been pushing ways





to make urban expressways part of comprehensive plans of neighborhood improvement. As a result, in Chicago, what may be the largest, most diverse group ever assembled to study such a problem went to work. Involved were representatives of 24 agencies from all levels of government and engineering and architectural firms: C. F. Murphy Associates, Skidmore, Owings & Merrill, and the consulting engineering firm of Westenhoff & Novick, Inc. The Crosstown design team, as the group made up of these three firms was known, was headed by Joseph Passoneau, on leave from Washington University.

Now that the initial 3½-mile segment of the expressway has been planned and welcomed enthusiastically at a public hearing in the neighborhood on July 11, the design team, and everyone else, will tackle the remaining 18½ miles.

Work on the initial segment has produced plans for one four-lane segment, replacing Cicero Avenue, running northbound past Midway

Airport. A second four-lane segment will run southbound a quarter mile to the east parallel to the Belt Line railroad tracks. This reversal of the normal direction of divided highway lanes is said to be necessary so that the ramps, service road, and buffer strips needed for the three blocks of houses and industrial areas between the two routes can be added most easily. Only 69 homes will be displaced in building the initial segment and its accompanying facilities, including parking space for 4000 cars in front of Midway Airport. But much of the commercial development along Cicero Avenue will also have to move. Some 97 commercial firms will be displaced, and 30 industrial firms. The routes were chosen to run where they would produce minimum disruption of existing residential neighborhoods. And the earth removed in cutting the expressways into the earth will be used in building up recreational areas. William Hartman of SOM suggests: "Let's make the recreation hill higher in Palos Park."

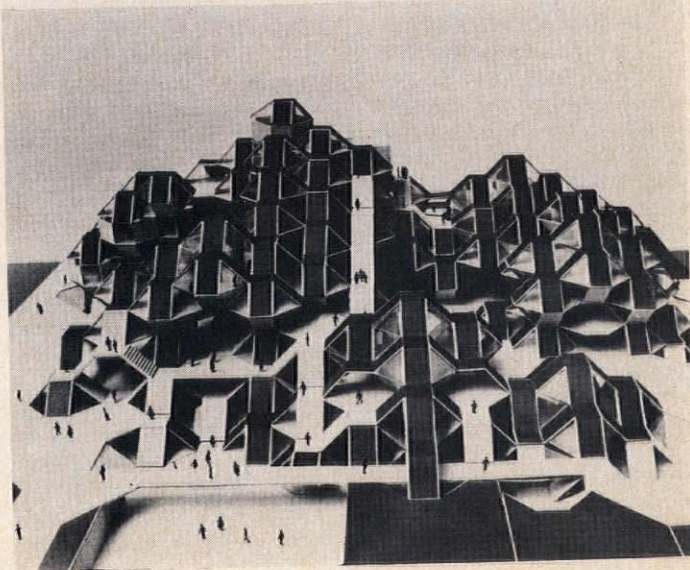
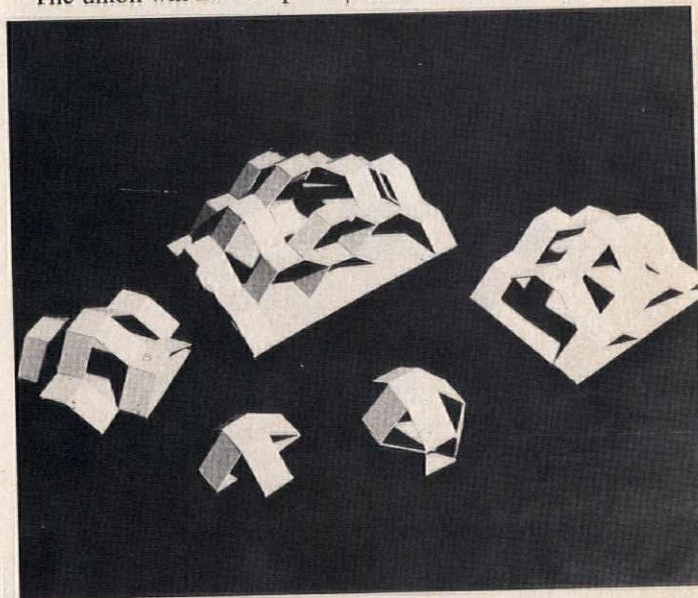
found what they wanted in Safdie.

Working with San Francisco architects Edmund Berger and Patricia Coplans, Safdie has provided a college union that will rise gently from one end of the campus green, becoming, as he puts it, "a pavilion within the green surrounded by the academic buildings." With the concrete academic buildings providing sharp definition for the edge of the green, the college union will relate to the green in another way. Instead of a sharp barrier between green and building, the one will flow into the other, and although the union will be seven stories high, it is stepped back so that it appears lower. Primarily, the architects have tried to make it inviting, the kind of building that one can walk through and participate in, in going from one section of the campus to another.

The union will have to pro-

vide space for as many as 15,000 or 20,000 students, and it is probably not unreasonable to imagine an influx or egress of some 5000 persons at one time, as classes end or start. In all, the union provides a complex of rooms and halls for meetings, dining, comradeship, reading, working, book selling and other commerce, and so on.

To provide all this, the architects have tried to develop a method of construction much like that Safdie used in Montreal. A small number of repetitive modular elements, lending themselves to mass production and easy site assembly, can be grouped in a host of ways, to form what the architects call a "hierarchy of spaces from the smallest to the largest." The basic modular element is a bent shape, 30' in span, inclined at 45° on both ends, forming an open U. This basic unit would be precast in



## MODULAR STUDENT UNION LOOKS FOR APPROVAL

SAN FRANCISCO, CALIF. Awaiting approval by the trustees of California State College is a student union building, designed by Moshe Safdie, which is as remarkable for the way the commission was granted as for the design itself.

Following his success with Habitat 67 at the Montreal fair, Safdie was approached

by the San Francisco State College Union Council, a student-faculty-administration group. They wanted an architect who could work closely with young people, translating their needs into his work, rather than falling back on preconceived architectural concepts. After examining the work of 28 firms, they



concrete 4" thick, with edge beams 8" thick. In addition, there would be cast and pre-cast octagonal floor slabs. The floor slabs are simply bolted to the U-shaped units; then, a 3" layer of concrete topping is poured over adjacent floor slabs to provide structural continuity. As the bent elements go into place, forming the walls of rooms and corridors, the spaces at the top between the bents become windows. All mechanical equipment and ducting is distributed through a system of vertical shafts penetrating the modules and in spaces below the floor slabs screened by a suspended ceiling.

Because of the extreme

flexibility needed in a student building, the architects developed a system of pivoting and hinging walls, providing what they call "instant flexibility." With it, the largest assembly room, seating 700, can, they believe, quickly be broken down into several smaller rooms.

If approved by the trustees, the building will proceed in stages. First phase is eating facilities, to cost an estimated \$4,700,000, raised largely by bonds floated by the trustees, and a bookstore, whose \$820,000 cost will be met by the San Francisco State College Foundation. Second phase will cost \$2 million and will be financed by fund raising.

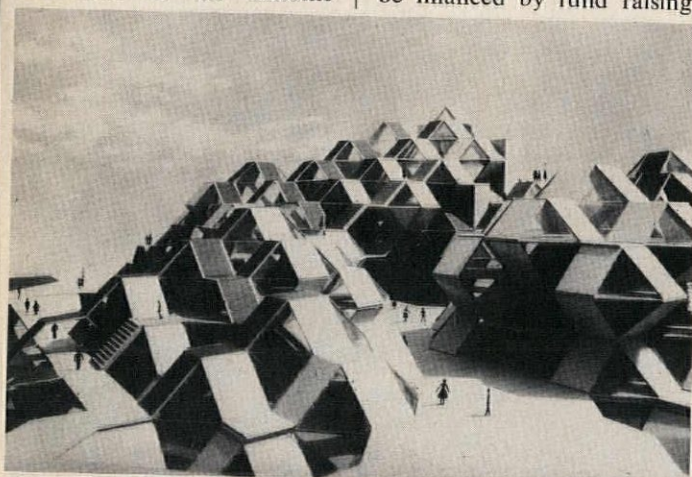


rather than with "how it looks." Good design, this year at Aspen, meant a healthy, socially useful, life-enriching design. At least, this is what all the talking was about — an interesting shift for a conference that was until recently probably the most object-oriented of all the traditionally introspective design conclaves.

The summary, delivered by political scientist Jivan Tabibian, proved, first of all, that an Armenian from Lebanon can command the English language and express ideas even better than such a prolific rhetorician as Reyner Banham, and, second, that verbal form-making can be more effective than those sketched with a 6B pencil. The image Tabibian drew was that of a world divided between pragmatists and dialecticians.

The pragmatists, with their utilitarian approach, are doers who might be solving wrong problems. Only through dialectics, according to Tabibian, can one discover what the real problems are and priorities can then be assigned. Through such comprehension of total reality (a characteristic of the dialectic approach to design) can one create a diversity of choices and actions for people, Tabibian argues, and thus prevent their alienation — something that is essential in our alienated, pluralist, post-industrial society.

After Tabibian's post-industrial talk, the conferees, including industrial designers, went to a trout cookout in the mountains. And the conference was over until June of 1969.



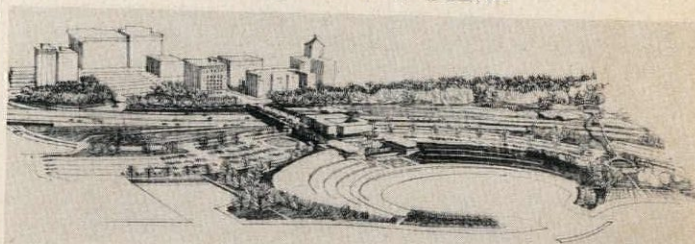
### THE MEANING IN THE OBJECT: INTERNATIONAL DESIGN CONFERENCE 1968

ASPEN, COLO. This year's annual designers' powwow in the Rocky Mountains was memorable for disproving the theme of the meeting. The program chairman of the 18th International Conference in Aspen, British art historian Reyner Banham, assuming a mental gap between European and American designers (with the cerebral weight on the European side, no doubt), organized discussions around the theme "Dialogues: America and Europe." Soon after the conference had begun, it was obvious that Banham was wrong. In the preamble to the program, he said "... the product speaks with a local accent, and the designer sees with eyes that belong to his side of the ocean," but after the meetings, were over he admitted that the division among designers does not follow any arbitrary geographical

boundary. And so it is. After all, the differences between conditions and attitudes in Spain and Britain are greater than those between Britain and the U.S. The Atlantic Ocean is not necessarily the great divide that was at one time.

More important than the backfire of the theme of the conference was the tenor of the discussions. Speakers, as a rule, did not show or discuss their own work or that of others. Except for some films, there was a noticeable lack of visual content. The designer's product, be it a toothbrush or a building, was left out almost entirely: The talks were about the design of attitudes and not the design of objects. And so, it seems, that all the design professions — graphic artists, industrial and interior designers, as well as architects and planners — are now pre-occupied with "what it means"

### SAARINEN'S WAR MEMORIAL: A WHOLE NEW SCENE



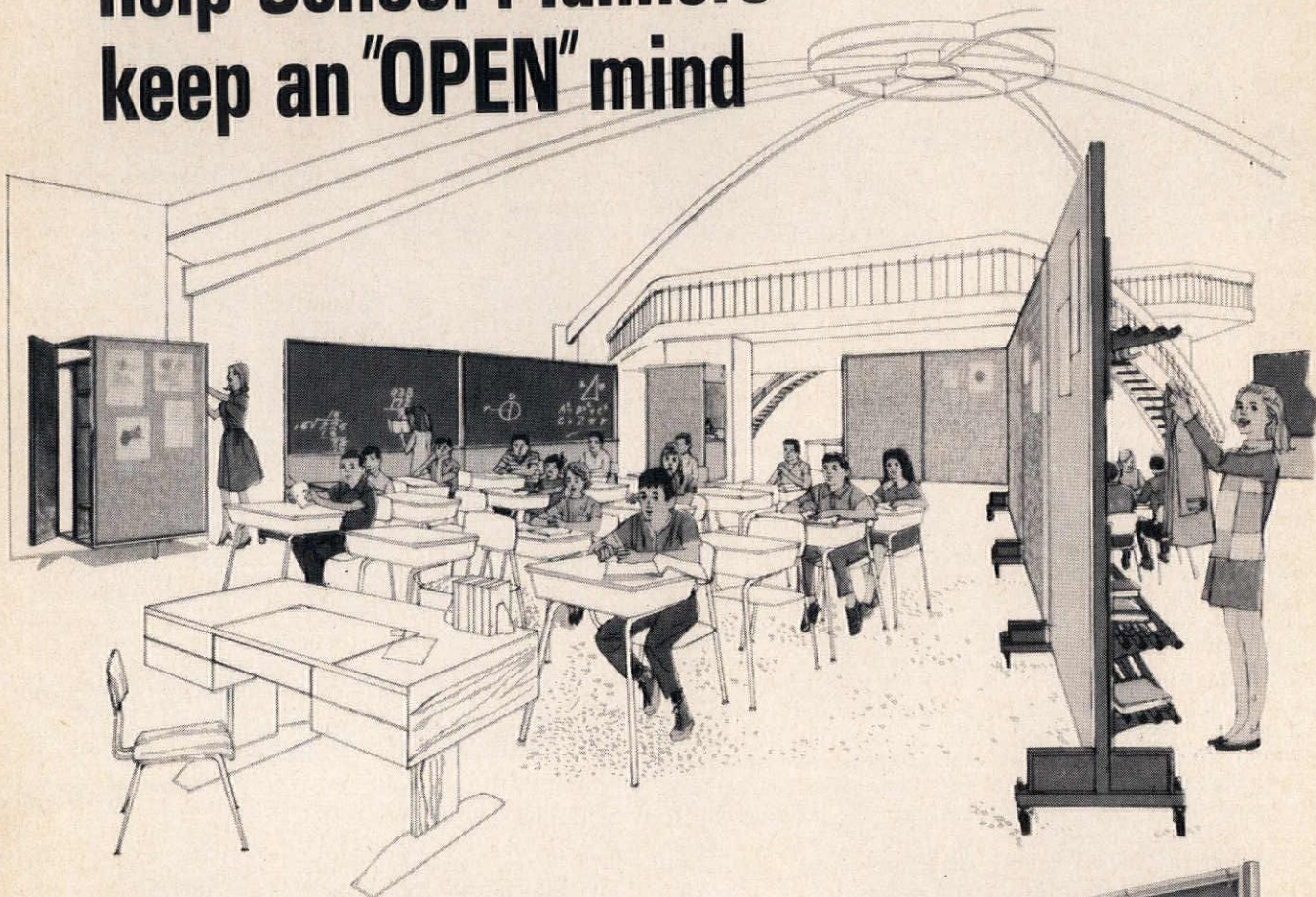
MILWAUKEE, WIS. Milwaukee's determination to have a lakefront freeway has raised the question of what to do with Eero Saarinen's War Memorial Center building. Constructed in 1957, the War Memorial rests on a hummock of land that is a stone's throw from Lake Michigan. Lincoln Memorial Drive, Milwaukee's beautifully landscaped lakefront automobile promenade, now curves by the War Memorial's upper entrance. With the construction of the Lake Freeway, however, both it

and the drive will cut beneath a pedestrian bridge. The bridge will replace the existing automobile bridge and will link the Memorial to the downtown Milwaukee streets on the bluff overlooking the lakefront. Thus, the War Memorial will be isolated like a contemporary castle by the moat of the freeway.

In partial compensation for this isolation, landscape architects Johnson, Johnson & Roy of Ann Arbor, Mich., who are under contract to the Milwaukee County Park



# Vogel-Peterson RDF's help School Planners keep an "OPEN" mind

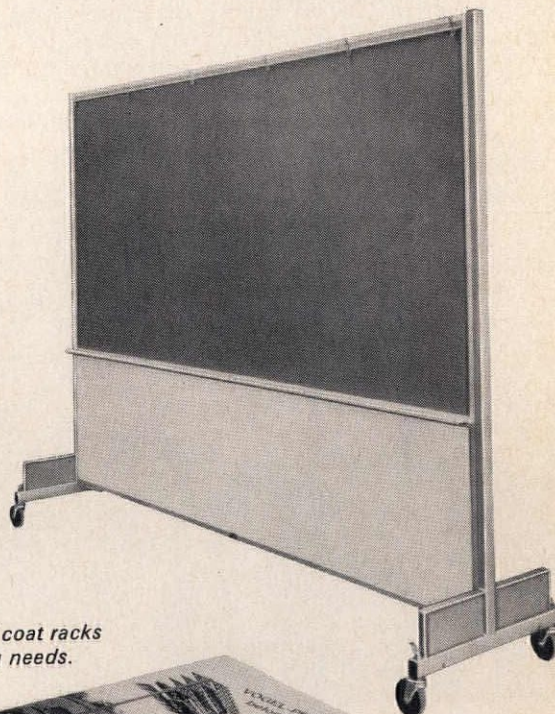


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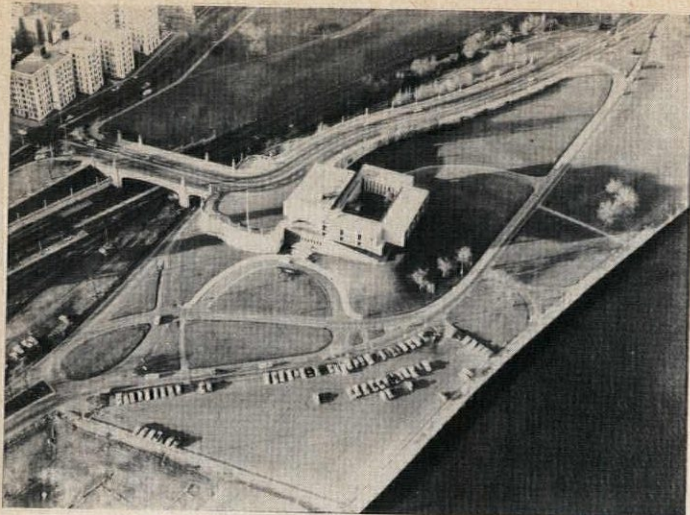


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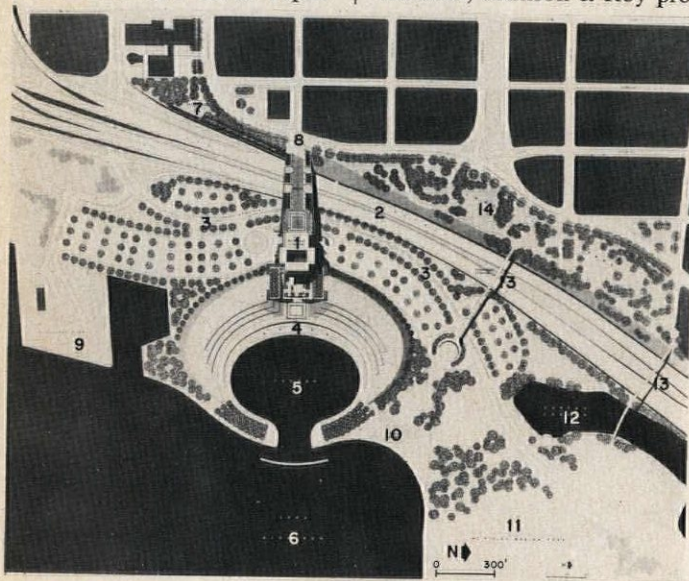


War Memorial as it is today.

Commission, suggest two major changes in the War Memorial's setting: first is long parking zones to the north and south of the Memorial, with easy direct access to Lincoln Memorial Drive and to the Memorial's main lower level entrance. Perhaps most important, the landscape architects' report calls for broad, curved steps leading down from a ground-level addition to the Memorial to an oval lagoon to be created on the lakeshore. Saarinen's original plans allowed for such expansion to the east: He arranged the building's interior circulation at a level that would be directly extensible into an eastern addition built up from a lower grade. Milwaukee architects Maynard W. Myer & Associates, who were Saarinen's local repre-

sentatives during construction of the original building, have undertaken preliminary architectural studies for the addition. It would provide approximately 80,000 sq ft more space on two levels. Two exhibition art gallery wings would flank a central art lobby, educational areas, and an outdoor sculpture court. The roofs of the two gallery wings would be landscaped terraces with direct access to the steps and seating surrounding the lagoon. To the west, toward the city, on the side where the new bridge will link the Memorial with the city, the building will be extended 25' to provide space for mechanical equipment and offices.

As an added dollup of deferral to local civic pride, the Johnson, Johnson & Roy pro-



- 1 War Memorial Center
- 2 Lake Freeway
- 3 Lincoln Memorial Drive
- 4 Arena
- 5 Lagoon
- 6 Lake Michigan
- 7 Promenade

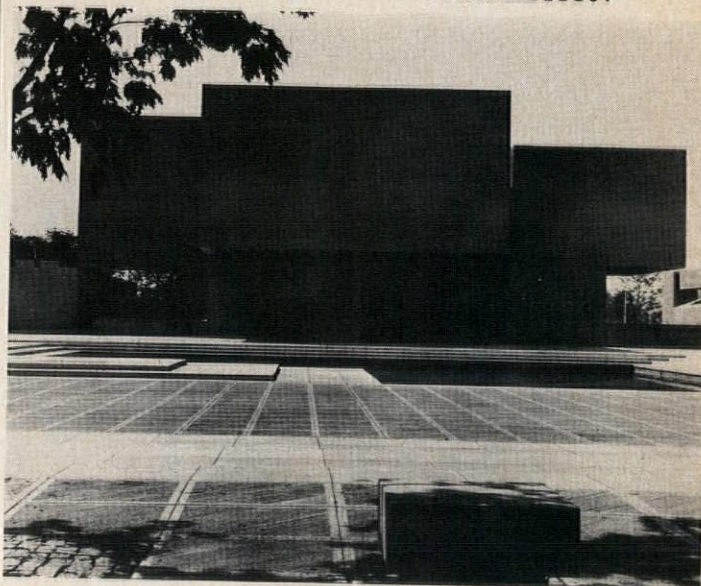
- 8 Prospect Avenue
- 9 Municipal Pier
- 10 Special Exhibits
- 11 McKinley Marina Park
- 12 Juneau Lagoon
- 13 Pedestrian overpasses
- 14 Juneau Park

posal mentions the old Northwestern Railroad Depot tower, a crotchety gingerbread hold-over from the era of The Hiawatha and The 400—crack trains that made the 90-mile trip to Chicago in under an hour. They suggest that it could become a meaningful part of the new development near the War Memorial, and that, if retained, it should be moved a block or so north of

its present site. Cost of such relocation, the architects feel, would be about half a million dollars.

In all, the proposals for the restructuring of the Memorial and its site (and there have been no modifications in these proposals so far), would cost about \$8,200,000. Construction would be concurrent with that of the Lake Freeway in 1970.

## PEI MUSEUM NEARS COMPLETION



SYRACUSE, N.Y. Almost completed here in the revitalized downtown of Syracuse is I.M. Pei's long-awaited Everson Museum of Art. It is a difficult site for a museum, downtown of Syracuse is planned as a piece of sculpture to house sculpture. The three-story structure is only 260' x 140', and adjoins a large country auditorium and a steam-generating plant that has an 80' smokestack. But the museum's bold, warmly textured, rose-colored forms give vitality to the structure despite the scale. Four galleries are cantilevered out around a central courtyard (longest cantilever is about 26'), and the building itself is set on a podium and fronted by a reflecting pool. It is the first art center designed by Pei. Max W. Sullivan, the mu-



Photo: Ed Galda

seum's director, plans an opening dedication in late October. Opening exhibition will be paintings and sculpture from the collection of Governor Nelson A. Rockefeller.

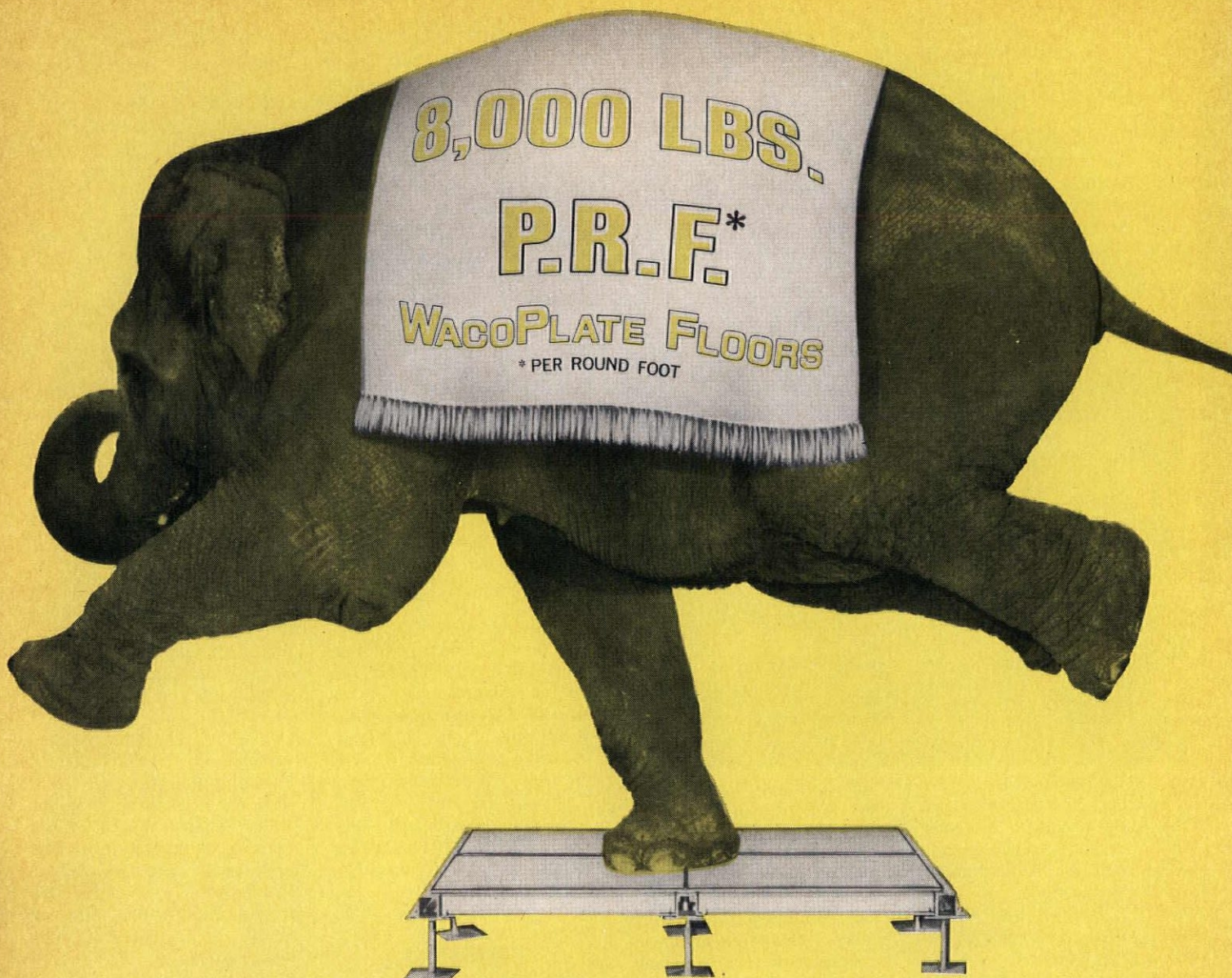
Associate architects are Pederson, Hueber, Hares & Glavin.

## SCHOOLS

John Paul Eberhard, former director of the Institute for Applied Technology at the National Bureau of Standards, United States Department of Commerce, is dean

of the newly established **School of Architecture and Environmental Design at State University of New York at Buffalo** . . . Michael Anthony Taylor II, a doctoral





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candidate at the Berkeley campus of the **University of California**, is this year's winner of the Joe W. Kelly Scholarship, sponsored annually by the Chemically Prestressed Concrete Corporation. Taylor's doctoral thesis is based on research in the field of concrete technology . . . The Ford Foundation has an-

nounced award of a \$214,600 grant to **Pratt Institute**, Brooklyn, to promote Negro opportunities in the profession of city planning. A second grant of \$130,625 was awarded to **The University of Pittsburgh** for the same purpose . . . **The University of Michigan's** Department of Architecture has a new chairman, R. C. Metcalf.

## BELGIAN BAGEL



BRUSSELS, BELGIUM. S. A. Glaverbel, manufacturer of flat glass products, employs 9000 persons in seven plants. To consolidate their administrative departments, from offices in Brussels and Charleroi, they constructed the circular building shown here, shaped around a central landscaped courtyard. It has 325,000 sq ft on five levels and has an external diameter of 380'. The central courtyard, 250' across, will have a garden

with trees and flowers. Two underground parking levels accommodate 400 cars.

As might be expected, much of the building's façade (about 67%) is glass: it has 2827 double-glazed, sealed windows. Spandrels are faced by squares of granite, which, dark at first, will whiten with age. Architects were Braem, Guillissen, Jacqmain, and Mulpas, in collaboration with Bocard, Nuthals, and Opdenberg.

## CALENDAR

The **62nd National Technical Conference** of the Illuminating Engineering Society will open September 9 at the Towne House Hotel in Phoenix, Ariz. Technical papers on Light Sources, Vision Research, and Lighting Applications will be presented during the four days of sessions. Write for information on registration to: IES, 345 E. 47th St., New York, N.Y. 10017 . . . The annual **AIA Architect-Researcher's Conference** will be held this year in Wisconsin Dells, Wis., September 25-26. Conference host is the School of Environmental Design at the University of Wisconsin. For further informa-

tion, write to: James L. Haecker, Associate Director of Education and Research Programs, AIA, 1735 New York Ave., N.W., Washington, D. C. 20006 . . . **The National Association of Housing and Redevelopment Officials** has scheduled a series of national workshops on housing, codes, and renewal in urban areas. First session, whose theme is renewal, is planned for September 26-27 in Minneapolis, Minn. Program details are available from: NAHRO, The Watergate Bldg., 2600 Virginia Ave., N.W., Washington, D. C. 20037 . . . The University of Wisconsin's Civic Center

campus, Milwaukee, Wis., will be the scene of a short course on **Environmental Design of Our Cities** October 1-2. Architects who wish to participate should write to: Dr. Chester L. Brisley, Institute Director, 725 Extension Bldg., University of Wisconsin, 432 N. Lake St., Madison, Wis. . . . **The 14th Annual Convention of the Prestressed Concrete Institute** will take place at the Olympic Hotel, Seattle, Wash., October 5-10. To obtain advance registration forms, write to: PCI, 205 W. Wacker Dr., Chicago, Ill. 60606 . . . **The Ninth Annual Seminar on Glass**, sponsored by the Corning Museum of Glass, will be held at the Corning Glass Center, Corning, N.Y., October 13-18. Sessions will deal primarily with glass history. To register, obtain forms from: The Corning Museum of Glass, Corning Glass Center, Corning, N.Y. 14830 . . . October 16-18 are the dates set for the **Annual Fall Meeting of the Hardwood Plywood Manufacturers Association**. The meeting will convene at the Century Plaza Hotel, Los Angeles, Calif. For details, write to: HPM, 2310 S. Walter Reed Dr., Arlington, Va. 22206.

## OBITUARIES

**Robert J. Lyman**, executive director and chief administrative officer of the Prestressed Concrete Institute, died in an automobile accident July 16. He was 50 years old. Born in St. Mary's, Pa., Lyman received a Bachelor's degree in civil engineering from Ohio Northern University in 1941.

For 15 years, interrupted by three years of service during World War II as a Corps of Engineers officer in the Pacific, he served with the Engineering Division, Albuquerque District, Corps of Engineers, Albuquerque, N.M. From 1956 to 1963, Lyman was vice-president and chief engineer of Atlas Structural Concrete Inc., in El Paso, Tex. He became a Fellow of the American Society of Civil Engineers and held the position of director of the Texas Section, ASCE. He was elected to the Board of Directors of the Prestressed Concrete Institute in 1960, and acceded to the presiden-

cy in 1962. He resided in Barrington, Ill.

**Theodore T. McCrosky**, a consulting engineer and city planner, died July 20. McCrosky, who was 66 years old, was a consultant for The McCrosky-Reuther Company of Ronkonkoma, Long Island, N.Y. Under New York City's mayor Fiorello H. La Guardia, he served as city planning director, and in 1940 he participated in the development of the proposed Master Plan of Land Use in New York City. In 1923, he received a civil engineering degree from the Yale Scientific School, as it was then known, and later obtained a degree from the University of Louvain. He then taught at Yale and traveled to China, where he advised authorities in Nanking on the over-all planning of China's new capital. McCrosky also served in later years as head of city planning departments in Chicago and Boston.

**Louise Myers**, who worked closely with Hans Knoll in founding the furniture company Knoll Associates in the 1940's, died July 28 in her New York home. Mrs. Myers was an executive of both Knoll Associates and Knoll International, Ltd., until six months before her death. She was married to Dr. Nelson Shields, Jr., and she is survived by him and by two daughters and a son.

## PERSONALITIES

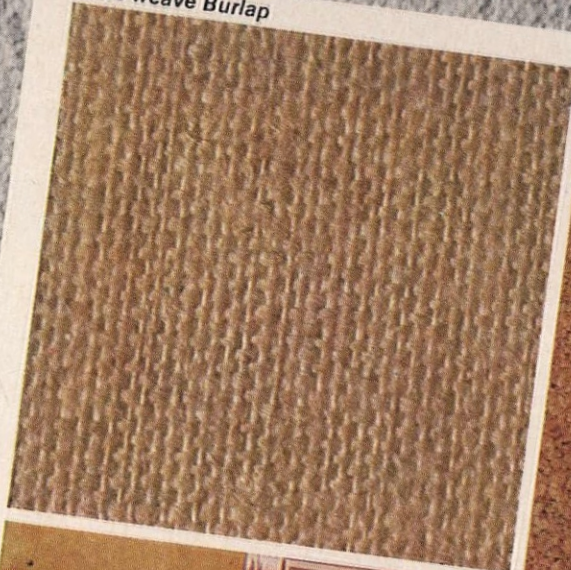


**Cesar Pelli**, until recently vice-president and Director of Design at Daniel, Mann, Johnson & Mendenhall in Los Angeles, has become a partner in the firm of Victor Gruen Associates. He will direct the design of all architectural projects for the Gruen office. A juror for the 1969



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P/A Design Awards Program, Pelli directed the design of two P/A award-winning projects. His former

assistant, **Anthony J. Lumsden**, will assume the position of Director of Design at DMJM...

## FIFTEEN STEEL-FRAMED BUILDINGS HONORED

NEW YORK, N. Y. An astronomical observatory, an elevated concourse, and an experimental bridge building are among the winners of the Ninth Annual Competition for Steel Framed Buildings sponsored by the American Institute for Steel Construction. Jurors Harry C. Adley, Atlanta, Ga., Sam T. Hurst, Los Angeles, Calif., H. Samuel Kruse, Miami, Fla., Fred N. Severud, New York, N. Y., and Wayne R. Winsor, St. Paul, Minn., were pleased with the imaginative ways the designs submitted fulfilled environmental requirements.

Winners were: Thurston Chase Learning Center of

Englebrook School, Deerfield, Mass., by The Architects Collaborative; Manufacturing and Research Facility for Teledyne Systems Company, Northridge, Calif., by Daniel, Mann, Johnson & Mendenhall; Abraham Lincoln Oasis, South Holland, Ill., by David Haid; Minges Coliseum, Greenville, N.C., by F. Carter Williams; Enclosed Elevated Concourse, St. Paul, Minn., by Hammel Green & Abrahamson; Toprock Residence, Charleston, W. Va., by Henry Elden & Associates; Los Angeles Federal Savings & Loan, Los Angeles, Calif., by Honnold & Rex; Syntex Interim Facili-

ties, Palo Alto, Calif., by MacKinlay/Winnacker & Associates; Ford Automotive Safety Centers (1), Dearborn, Mich., by Nordstrom-Samson Associates.

Also, Steel Bridge Studio, San Luis Obispo, Calif., by Paul Neel and students of the School of Architecture, California State Polytechnic College; Fairchild Semiconductor Headquarters Building, Mountain View, Calif., by Povl Rasmussen, Simpson, Stratta & Associates; Lindheimer Astronomical Research Center (2), Evanston, Ill., by Skidmore, Owings & Merrill; Alcoa Building, San Francisco, Calif., by Skidmore, Owings & Merrill; Superior Oil Company Geophysical Laboratory, Houston, Tex., by Todd-Tackett-Lacy; Bank of Houston (3), Houston, Tex., by Wilson, Morris, Crain & Anderson.

## AWARDS

**Edwin C. Taylor**, a candidate for a master's degree in urban transportation at Pratt Institute, is the recipient of the AIA's 1968 LeBrun Traveling Fellowship. The \$3000 award was made on the basis of Taylor's winning entry in a national competition for the design of an urban rapid transit station, and will be used for study and travel abroad... The Naval Facilities Engineering Command of the Department of the Navy has presented its highest honor to **Vincent G. Kling & Associates** for development of the Comprehensive Master Plan for the Bolling/Anacostia area, Washington, D.C., and for design of the 1500-man dormitory building at the Bolling Air Force Base in Washington.

## COMPETITIONS

The American Academy in Rome offers **Rome Prize Fellowships** for 1969-1970 for architects, landscape architects, and environmental designers who are U.S. citizens. Each fellowship carries a stipend of \$3600 a year and may be renewed. Applications must be received by December 31, 1968. Requests for details should be addressed to: Executive Secretary, American Academy in Rome, 101

Park Avenue, New York, N.Y., 10017... The New York Chapter, AIA, announces two separate competitions for structures within 150 miles of the city: an Environmental Awards Program and a Residential Design Awards Program. Submissions for the first must be structures completed since 1960. For the second program, completed buildings or projects in five categories may be entered. Write for information to: New York Chapter, AIA, 20 W. 40 St., N.Y.C.

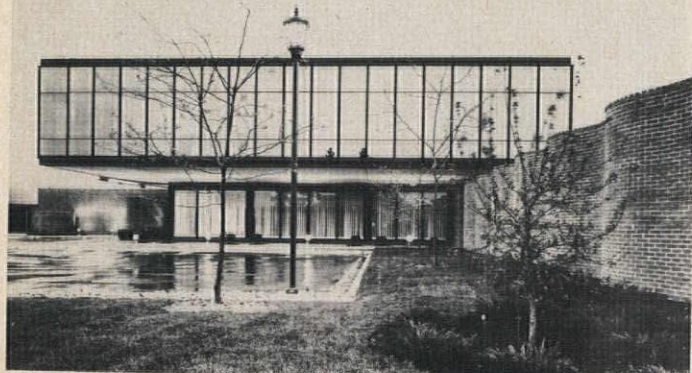
## TOWERS TO FACE TORONTO CITY HALL



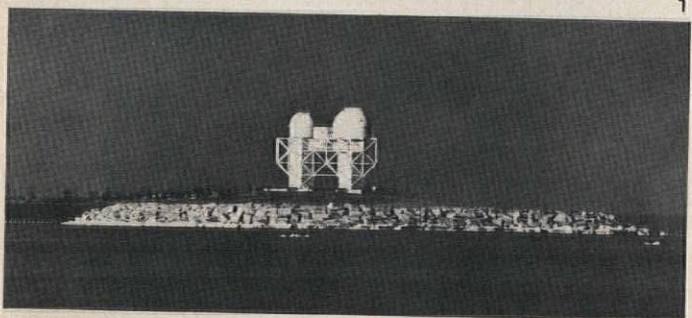
TORONTO, CANADA. An international competition for a hotel-commercial complex at the end of the civic square opposite Toronto's controversial City Hall was won by a local firm, Webb Zerafa Menkes. With the award goes a contract for design of the \$50 million complex. Developer of the complex will be Third Generation Realty Limited.

Judged by Canadian architects John Bland and C.E. Pratt and by planning consultant Hans Blumenfeld, the competition called for a grouping of buildings that would provide uses to attract people to the area day and night. Prime tenant of the complex will be Hilton International, but in addition to hotel facilities, the area will hold a motion picture house, an art gallery, boutiques, department stores, and a vast skylighted area called "The Galleries," a space 75' across and 80' high, which the designers envision as an indoor version of the vast civic square just outside.

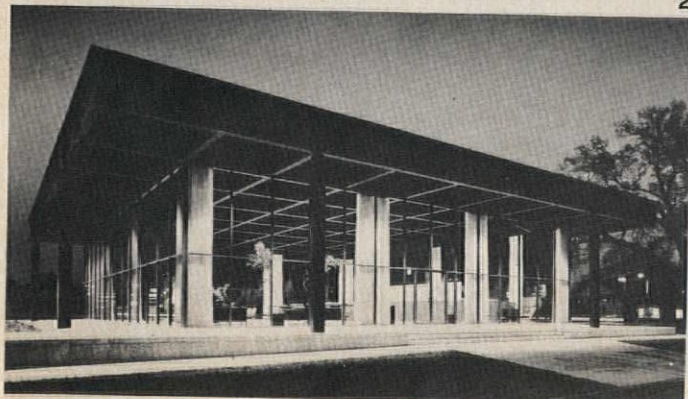
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units mounted in a 17-x17-inch continuous cabinet that abuts the window wall.

Full coordination of heating and air conditioning with window-wall components has been a major interest of architects Schipporeit and Heinrich.

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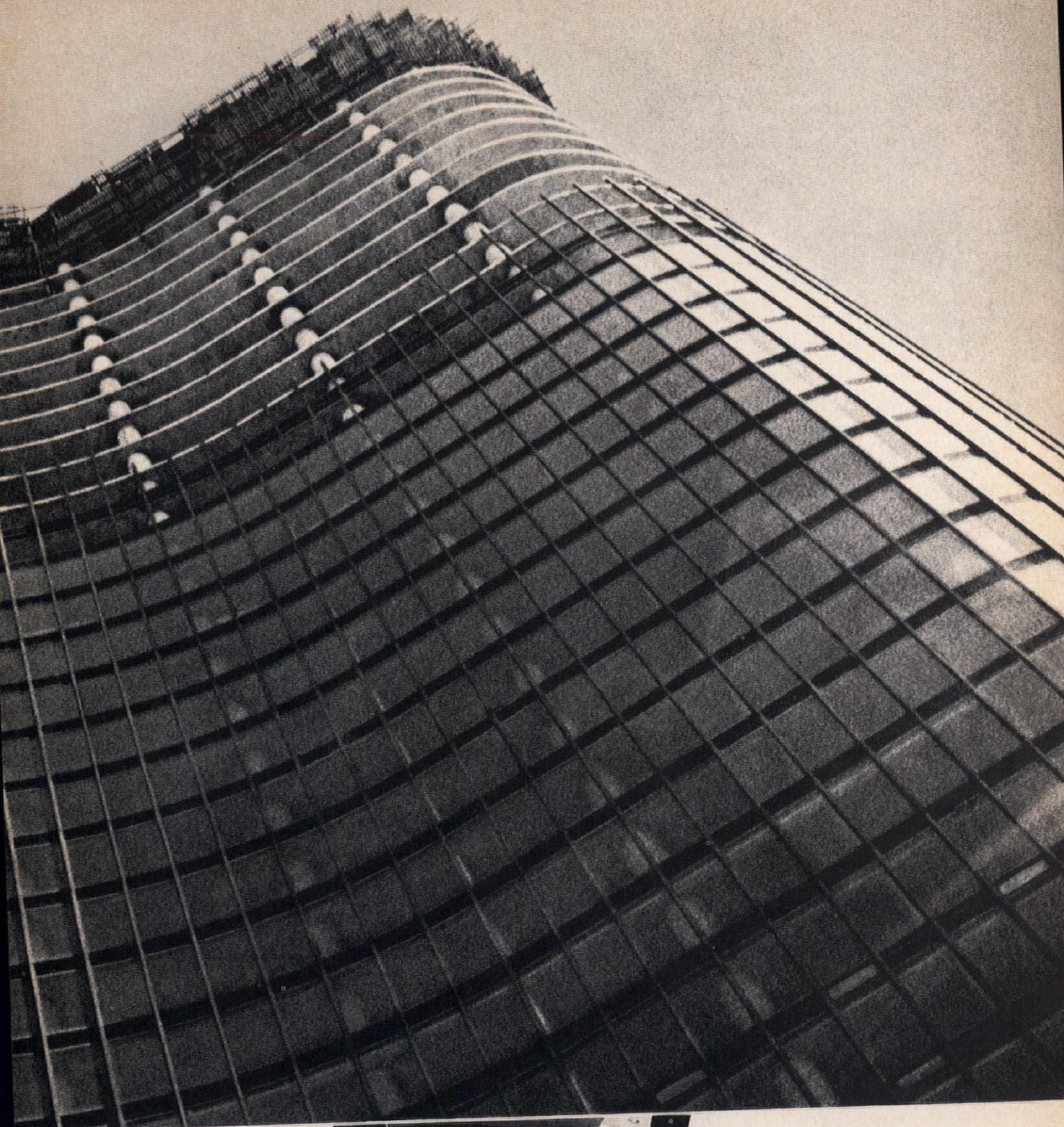
individual temperature preferences, at reasonable costs to the owner.

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way affect the other 899—as could happen with a central station system.

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Lake Point Tower, Chicago.

Developers: Hartnett-Shaw & Associates

Fluor Properties.

Architects: Schipporeit-Heinrich, Inc., Chicago.

Structural Engineer: William Schmidt & Associates, Chicago.

General Contractor: Crane Construction Co., Inc., Chicago.

Mechanical Engineer: William Goodman, Chicago.



## GENERAL ELECTRIC

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consist of twin 50-story towers with 1400 guest rooms and an adjacent, low-rise, block-shaped structure with banquet and other ancillary hotel facilities. Below-grade pedestrian connections are planned to adjacent buildings and to the City Hall parking garage. Interior consultants are Roland Wm. Jutras Associates, Inc., of Boston.

## WASHINGTON/ FINANCIAL NEWS

By E. E. HALMOS, JR.

**What the New Housing Bill Means** — There's some very significant language for architects in the opening pages of the mammoth, 220-page Housing and Urban Development bill that Congress passed in early August before it quit to go politicking.

"The Congress finds," says Section 4, "that Federal aids to housing have not contributed fully to improvement of architectural standards. . . .

"The Congress commends the Department (HUD) for its recent efforts to improve architectural standards through competitive design awards and in other ways, but at the same time recognizes that this important objective requires high priority if Federal aid is to make its full contribution toward improving our urban environment.

"The Congress finds that even within the necessary budget limitations on housing for low- and moderate-income families, architectural design could be improved, not only to make the housing more attractive, but to make it better suited to the needs of occupants.

"The Congress declares that in the administration of housing programs which assist in the provision of housing . . . emphasis should be given to encouraging good design as an essential component of such housing and to develop housing which will be of such quality as to reflect its important relationship to the architectural standards of the neighborhood and community in which it is situated, consistent with prudent budgeting."

That's a most unusual bit of wordage in Federal legisla-

tion, and its inclusion is largely the result of testimony of architects when the bill was under consideration in committees — testimony that decried the emphasis on costs, which stifles attempts at achieving anything but stolid design results.

And it makes a fitting opening for a measure of such proportions that nobody has really put a price tag on it (though estimates run between \$4 and \$6 billion over a 6-year period), and that breaks a lot of new ground in the field of public housing.

To sum up briefly, the new law:

- Provides "ownership assistance" to low-income families through payment by the Government of the difference between the "buyer's" specified payment and the actual costs of interest, taxes, insurance and the like.

- Continues "rent supplement" payments for low-income families.

- Provides for Federal insurance for mortgagees who may not otherwise be able to obtain such funds.

- Raises to \$554,300,000 (from \$366,300,000) the authorization for construction of low-rent public housing, increases amounts available for home improvement loans and makes other changes in insurance and loan provisions.

- Makes possible the insurance of mortgages on "seasonal" homes.

- Continues the existing urban renewal programs, including the addition of "neighborhood development programs" to be carried on by local authorities; rehabilitation loans to owners and tenants of property; grants for demolition and relocation of residents; provision for "comprehensive planning" by local governments; grants for water, sewerage, and other needed public utilities; and grants for purchase of open-space lands. "Model cities," "urban renewal demonstration programs," grants for rapid-transit surveys and construction are also continued and raised.

Of great importance is the approval of formation of "National Housing Partnerships" (Title IX), to "encourage the widest possible participation by private enterprise."

The title authorizes creation of "private corporations

for profit" (or limited partnerships created by such corporations), which will have power to "plan, initiate, carry out . . . the building or rehabilitation of housing . . . primarily for the benefit of families . . . of low or moderate income."

Another key section of the new measure is Federal action to assist state insurance authorities in developing programs to assure that insurance coverage is available for properties in high crime and other dangerous urban locations, where many private insurance organizations have recently been canceling policies as a result of recent riots. (Also included under insurance provisions is Federally backed insurance for property owners whose buildings are endangered by floods.)

Generally, the bill went through in just about the form that the Administration proposed it, but there are some important changes:

First, instead of an immediate program for a definite number of housing units, HUD is ordered to come up with a report within a year on a 10-year housing construction program, as well as periodic reports on progress.

Second, urban renewal demonstration grants may now be made to "nonprofit" organizations, as well as to public bodies.

Third, funds for urban information and technical assistance service programs are raised from \$5 million to \$15 million annually.

The housing bill, together with the \$11-billion-odd highway bill and the general appropriations bills already put through, are about all that can be expected from the current session of Congress.

The lawmakers are scheduled to come back to Washington immediately after Labor Day, but they'll be coming back resentfully and reluctantly. They will be in no mood to do anything except jockey for political advantage, if a similar rump session in 1960 is any guide.

Certainly, there will be no drive to put through such nonpolitical, nonvote-getting items as a study preparatory to the adoption of the metric system in the U.S., or many other laudable pieces of legislation. Even more important bills — many affecting

stream pollution, labor, and the like — have already been swept under the Capitol rugs, in the legislative rush to get out of steaming Washington and on to the political hustings.

An example of the impatient mood of Congress was the short shrift given to the annual foreign aid bill, which was chopped to under \$2 billion for the first time, and with restrictions (through a 1% rise in interest rates) on A.I.D. lending for construction and other work abroad.

**Financial** — Despite all its protestations about economy, Congress will still wind up authorizing between \$9 and \$10 billion for construction purposes. Catch in this is the directive to the President to chop \$6 billion from Federal spending; he and his department heads are almost at complete liberty to cut anywhere they wish. Indications are that most cutting will come in construction programs.

- Costs of construction continued to be the big worry. The Bureau of Public Roads reported that its highway construction cost index rose again in the second quarter of the year, to reach an index of 121, which is within 2 percentage points of the all-time high established a year ago. And the index of sewer construction costs also continued a steady climb — up to a new all-time high of 122.49 (with 1957-59 as 100).

- Although housing starts continued to show a slight decline month to month (though still slightly ahead of last year), FNMA thought it saw an encouraging sign of steady- ing in the mortgage market, as a result of recent "auction" transactions (in which "Fannie Mae" buys VA and FHA mortgages). Housing starts, however, were running at a seasonally adjusted rate of 1,313,000 units in June, down from 1,345,000 in May.

- Over-all construction volume seemed to be holding steady in the first two quarters of the year, slightly above 1967, but showed no major gains. The Census Bureau said the seasonally adjusted rate of new construction in May was \$83,600,000,000, which is about even with April, and only very slightly over the rate a year ago (\$83,300,000,000).





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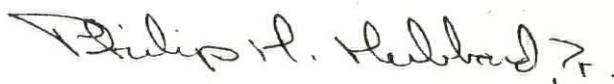
Just 18 months ago, in March, 1966, we announced the merger of Reinhold Publishing Corporation and Medical Economics, Inc., into what has become one of the nation's major publishers of magazines, books, catalogs and compendia—Chapman-Reinhold, Inc. In this short period of time, our combined efforts have resulted in a strengthened organization with increased, diversified facilities to serve more adequately your needs for specialized information.

During this period, we have also completed intensive studies of the communication potentials of the future. In an effort to develop the best methods of disseminating the burgeoning mass of information which the professional man must absorb in his never-ending continuing education, we've given much thought to our role. As a result of the ever-increasing knowledge and insights in all fields, the output of meaningful information is doubling every 10 years. Without new, fundamental approaches to the problems of gathering, storage, retrieval, and dissemination of this knowledge, we will soon be in the paradoxical position of producing more information than can be utilized.

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For over 40 years, our company has developed under a philosophy which encourages creativity and productivity in all areas of publishing. Litton is both a pioneer and a leader in the development of scientific and technological systems. It is my conviction that our widely recognized editorial reputation, linked with Litton's advanced technological skills, will result in our being able to develop vastly improved methods of communications in the coming years. In attaining these goals, we intend, as a responsible publisher, to meet the informational needs of our highly selective professional audiences by whatever method is most convenient and best suited to their needs.

We will continue to operate under our present management, publishing from our current locations. The divisional headquarters of Litton Publications, Inc., will be at Oradell, N.J., headed by W.L. Chapman, Jr., as President. We are proud to be a part of Litton Industries and are convinced that our new association will provide us with the capabilities to do an increasingly better job for our readers and our advertisers.



Philip H. Hubbard, Jr.  
Publisher





TenMain Center Office Building and Parking Facility, Kansas City, Mo.  
Monolithic reinforced concrete design/Robert P. Ingram, developer/  
Charles Luckman Associates, architects/Marshall & Brown,  
associate architects/Howard, Needles, Tammen & Bergendoff,  
engineers/Winn-Senter Construction Company, general  
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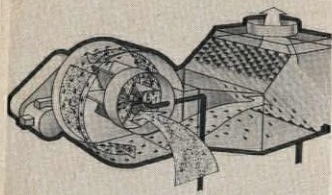
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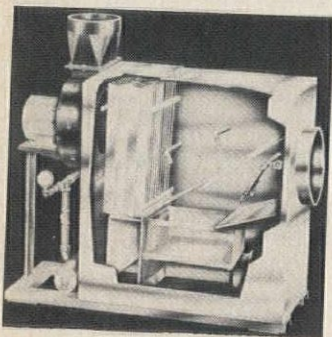


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**Fume corrosion control.** Using a maximum of  $\frac{1}{2}$  gal of water per 1000 cfm, the Swirlaway is said to remove "95% to 99% of most acid and other contaminants" from laboratory exhaust. It mixes exhaust air with water mist in a high velocity vortex, then forces it through a separating tank. Contaminated water exits through a special drain; pure air re-enters atmosphere, with no increase in humidity. Labconco Corp., 8811 Prospect, Kansas City, Mo. 64132. Circle 100, Readers' Service Card



**Pollution solution.** Smoke washers (available in four sizes) attached to incinerators are said to "scrub" air and reduce fly ash by as much as 95%. Using high-pressure showers, the units have a recirculating water system and no moving parts. Grinnell Corp., 260 W. Exchange St., Providence, R.I. 02901. Circle 101, Readers' Service Card

**Sensitive heat control.** A temperature sensing and control device for electrical heating systems is said to save up to 30% on heating costs. When used in a building where the heat is automatically cut-off at night, this sensing device will nevertheless maintain a desired level of heat so that the building will never get "cold"; thus, morning warm-up may begin later and require less fuel. Duncan

Econotrol, Inc., 233 Eastlake Ave. East, Seattle, Wash. 98109.

Circle 102, Readers' Service Card

## CONSTRUCTION



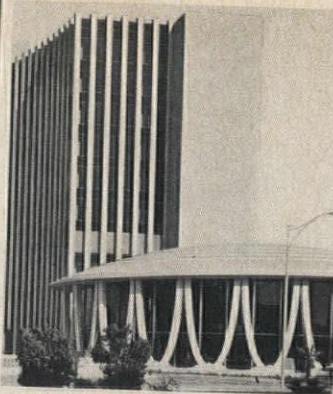
**Inexhaustible wall system.** Claiming to save up to 20% in building expansion costs, reusable wall panels may cost as little as \$3 per sq ft in the original building installation. The panels are made of aluminum and glass fiber, and may contain any combination of glazed, opaque, and translucent sections. They have an insulation U-factor of .40 and a light transmission of 28%. Kalwall Corp., 88 Pine St., Manchester, N.H. 03103. Circle 103, Readers' Service Card



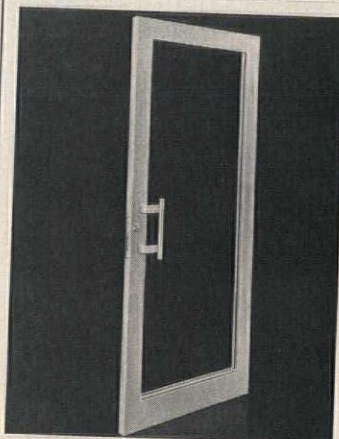
**Birds and bees.** A paper honeycomb that is said to be non-combustible (it meets FAA regulations for aircraft interiors), is available in a variety of cell sizes and densities. Types of honeycomb introduced are core material for military-aerospace applications, and commercial uses such as structural panels, curtain walls, partitions and doors. Industrial Honeycomb Div., Hexcel, 15100 Valley View, La Mirada, Calif. 90638.

Circle 104, Readers' Service Card

## DOORS/WINDOWS



**Reflections in a golden glass** . . . or gray, or green or bronze, as all shades of Solar Glass are said to enable a measure of environmental control by use of clear, tinted, or reflective glass; also combinations of the three. By use of various tints, brightness may be controlled to admit as little as 5% visible light. Pittsburgh Plate Glass Industries, One Gateway Center, Pittsburgh, Pa. 15222. Circle 105, Readers' Service Card

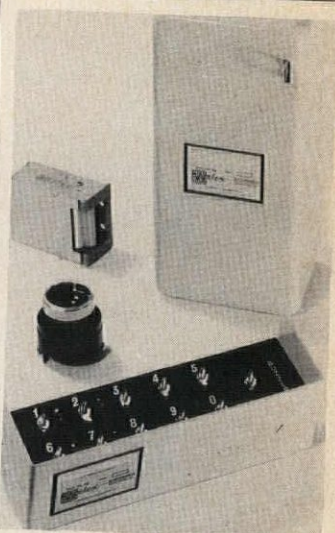


**Slender framing.** New door trend is foreseen in a full glass door of stainless steel, boasting slim 4" stiles and top rail, and a 6" bottom rail, cutting  $1\frac{1}{2}$ " from the dimensions of its predecessor. Single swing door sizes up to and including 3'-10" x 8'-0"; double doors, up to 7'-8" x 8'-0". The Steelcraft Mfg. Co., 9017 Blue Ash Rd., Cincinnati, Ohio 45242. Circle 106, Readers' Service Card

## ELECTRICAL EQUIPMENT

**Automatic stairway.** Wood or aluminum stairway and its  $\frac{1}{3}$ -hp motor are concealed above ceiling. Toggle switches operate and control pulleys that raise or lower stairway; unit is said to stop in correct posi-

tion each time. Precision Parts Corp., 400 North First St., Nashville, Tenn. 37202. Circle 107, Readers' Service Card

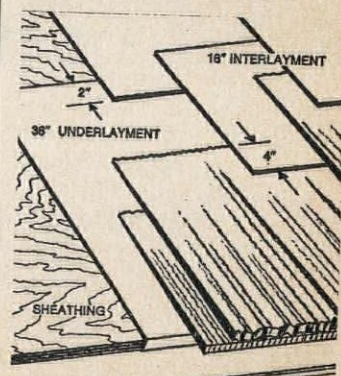


**Push-button alarm.** Said to eliminate keys and dials, this lock can only be released when the combination has been "played" correctly—within a pre-set time period. One control unit can monitor numerous entrance points; it handles button sequences from 3 to 6 digits. Auxiliary power unit optional. Welx Electronics, 2431 Linden Lane, Silver Spring, Md. 20901.

Circle 108, Readers' Service Card

## FINISHES PROTECTORS

**Fire shield.** Shake-Shield is made of asbestos reinforced with glass-fiber threads. It is an oil-cloth-like underlayment for wood shingle and shake roofs, designed to reduce flame spread; it also reflects heat and light. ASTM tested. Available in three-square rolls, 36" wide, and  $1\frac{1}{2}$  sq rolls 18" wide. Philip Carey Corp., 320 So. Wayne Ave., Cincinnati, Ohio 45215. Circle 109, Readers' Service Card





**Water seals.** X-Pandoseal, a clear silicone-based liquid, is said to penetrate the surface of brick, stone, and masonry to prevent staining and deterioration as well as seal cracks. One application is claimed to give adequate protection for 10 years or more. X-Pando Corp., 43-15 36 St., Long Island City, N.Y. 11101.  
*Circle 110, Readers' Service Card*

## FLOORING

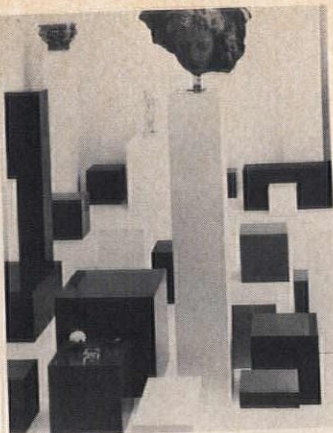
**The acid test.** Hypalon Florite is said to be resilient, fire-resistant, and highly resistant to chemicals. Primarily intended for laboratory and industrial use. Colors: white-black, bamboo, beige, Persian green. DuPont de Nemours Co. Fred Portz, Jr., Box 42, Waukesha, Wis. 53186.  
*Circle 111, Readers' Service Card*

## FURNISHINGS

**Inherently fireproof drapery fabric.** Using 100% Verel fiber, the manufacturer claims to have created a drapery fabric that is completely fire-resistant, yet soft and wool-like. The new line boasts seven textures in a host of colors. They are said to be nonallergenic, fade-resistant, and easily cleaned. Chatham Manufacturing Company, Elkin, N.C. 28621.  
*Circle 112, Readers' Service Card*



**Interior planters.** An aluminum collection of planters, this line is composed of cylinders, with diameters of 10", 12", 14", 16", and 18", each available in varying heights. The brushed satin aluminum finish allows individual variation. Teak, walnut, rosewood, or black bases are optional. Planter Design, Special Projects Inc., 5950 Avalon Blvd., Los Angeles, Calif. 90003.  
*Circle 113, Readers' Service Card*



A solid six-sided shape is a hexahedron, and this manufacturer's line of them may become, alternately, tables, benches, bases, pedestals, or stools. They may be custom-made, or selected from various (6" to 72" long, 6" to 48" wide, 6" to 72" high) set sizes, and are surfaced with wood, lacquer, gold or silver leaf. Optional recessed casters. Intrex Incorporated, 341 E. 62nd St., New York, N.Y. 10021.  
*Circle 114, Readers' Service Card*

## LIGHTING



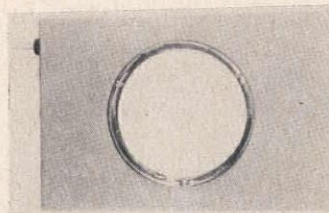
**Sculptured lighting.** Designed by Elsie Crawford, these coordinated lighting and planter groups are of kiln dried, laminated redwood 2 x 4's. Lamp heights range from 2' to 8', and the planter is 7' in diam. Manufactured by Jacques of Los Angeles. California Redwood Association, 617 Montgomery St., San Francisco, Calif. 94111.  
*Circle 115, Readers' Service Card*

**Lights from the heights.** A 500-w quartz light designed for interior ceilings of the medium or greater height, as in lobbies, auditoriums, and churches, is said to have been developed to meet specialized requirements of archi-

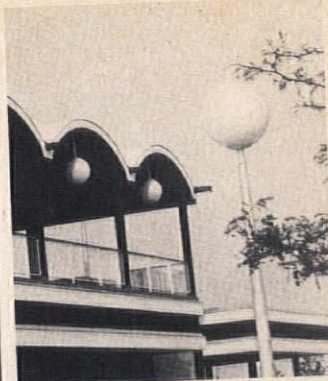
itects and consulting engineers. It has a 5" aperture with a reflector and annular baffling, to shield glare and yield 71% illumination. UL-listed for uses in both fireproof and nonfireproof construction; approved by CSA Testing Laboratories. Ram-busch Co., 40 W. 13th St., New York, N.Y. 10011.  
*Circle 116, Readers' Service Card*



**The 6000-hr sodium lamp.** A polycrystalline alumina material especially developed for use in the arc tube of the Ceramulux Lamp will resist corrosive effects of the sodium metal used in the bulb. This development makes possible the use of the highly efficient sodium bulb, said to produce 105 lpw. A 400-w lamp measures only 2 1/4" in diam and is 9'-3/4" long. Westinghouse Electric Corp., Bloomfield, N.J. 07003.  
*Circle 117, Readers' Service Card*



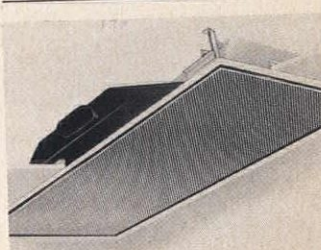
**Emergency lighting.** A solid-state circuit and battery operation combine with a 3" thick slim design for an emergency lighting unit called the "Decorator Type." The unit weighs 12 lbs, uses a lead dioxide battery, and lights approximately 3000 sq ft for 3 hrs or longer. The battery is guaranteed for 5 years. Hobby & Brown Electronic Corp., 15 St. Marks Ave., Rockville Centre, N.Y. 11570.  
*Circle 118, Readers' Service Card*



**Aluminum-based illumination.** Lunarglo luminaries and standards feature a corrosive-resistant, all-aluminum base. A 24" white translucent globe (top photo) diffuses light over large areas, its butyrate plastic construction protective as well as aesthetic. A davit-standard dock and street light (bottom photo) seems to float at the end of a gracefully curved arm. Pfaff & Kendall, 84 Foundry St., Newark, N.J.  
*Circle 119, Readers' Service Card*



**Overbed lighting.** Incandescent Mini-Lamp, with adjustable 45" spring loaded arm, features a 40-w high-intensity lamp with honeycomb louver. For use in hospitals, nursing homes, school dormitories. Pacific Associated Lighting, Inc., 837 Folsom St., San Francisco, Calif. 94107.  
*Circle 120, Readers' Service Card*



**Illusory lighting troffers.** Concealed frame and hinges cause Air-Lite Series 300 "hidden-door" lighting troffers to seem frameless; thus, the lighted



lens appears to be suspended in a surrounding void. Said to be compatible with most air diffusers, air patterns may be easily controlled without removing the fixture door. Manufacturer claims that these troffers reduce the amount of lighting heat that may enter an area, cutting cooling and air-circulation costs. Sechrist Mfg. Co., Dept. 116, Box 16775, Denver, Colo. 80216.

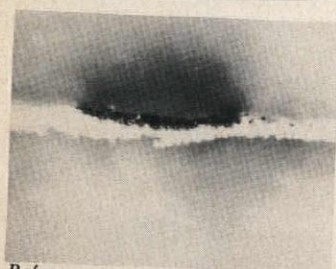
Circle 121, Readers' Service Card

## OFFICE EQUIPMENT



**Maximum in microfilm viewing.** Rear-screen microfilm units are two in a line of projection devices; both are said to permit clear viewing even in lighted rooms. Shown are: (left) a desk top Microfiche Reader, screen size 8½" x 11", for fiche sizes 4" x 6"; (right) a portable Micro-Reader featuring a 10" x 13" lenscreen for 35mm aperture cards. Graflex Inc., a Subsidiary of General Precision Corp., Rochester, N.Y. 14603.

Circle 122, Readers' Service Card



Before.



After.

**Easily erased errors.** Crystallene II, an extra-strength, high-volume economy tracing paper, is said to have erasing qualities equal to that of ex-

pensive vellum. The manufacturer claims that a new chemical surface promotes graphite adhesion to the paper, but prevents penetration into the fibers. Vinyl or rubber erasers will remove most images. Test rolls available. Keuffel & Esser Co., 300 Adams St., Hoboken, N.J. 07030.

Circle 123, Readers' Service Card

**3-D spatial data plotter.** In this console plot system, the wires are inserted into the plotting board under computer control. Plotting head pinpoints and inserts wire at X and Y coordinates on the board; the length of wire exposed represents the Z dimension. Plot "grows" as repetitive insertions of wire form a three-dimensional line or surface. Finished plot is permanent and may be coated, duplicated, mailed and filed. Spatial Data Systems, Inc., 108-A Aero Camino, Goleta, Calif. 93017.

Circle 124, Readers' Service Card

**Stretched scale.** The familiar triangular-section architectural scale is now available in 36" lengths. Made of aluminum, it is claimed to reduce time spent in positioning a scale over large drawings. Fairgate Rule Co., Cold Spring, N.Y.

Circle 125, Readers' Service Card

## ROOFING

**Waterproof roof.** Roof Shield combines smooth, viscous, liquid asphalt 480 with a strengthening glass fiber mesh, to form roofing material said to be highly flexible, strong, and flame-retarding. Manufacturer claims that it will outlast other roofing systems, and that it will not crack, blister, or alligator. Koppers Company, Inc., Pittsburgh, Pa. 15219.

Circle 126, Readers' Service Card

## SURFACING

**Multipurpose surface.** Tartan surfacing material is said to assure constant surface conditions in any weather and is rugged enough to withstand horses' hooves, football cleats, trucks, and any weather. Its uses include applications in horse racing, athletics, and



playgrounds. Resiliency and thickness may be varied as desired. The nonslip surface is a safeguard for athletes, and Tartan surfacing is also said to reduce leg strain. Recreation & Athletic Products, 3M Company, 367 Grove St., St. Paul, Minn. 55101.

Circle 127, Readers' Service Card



**Sunk-in stone.** Artstone epoxy aggregate matrix is developed to accommodate stones from No. 1 through No. 8. Said to cure in less than 24 hr, the matrix is fast setting, and so is equally suitable for horizontal, vertical, sloping, or even overhead surfaces. It is further claimed to bond with five times the strength of concrete. A thin coating may enable ¾ of the chip surface to be fully exposed; it will completely cover joints, and may be applied in any season. Marbeloid Corp., 2040 88th St., North Bergen, N.J.

Circle 128, Readers' Service Card

**Fine-grained slate.** A cleft surface is recommended, but a sand rubbed finish is also available. Rectangles and squares are of a standard ½" thickness (¼" on request), sizes 6" x 6" to 24" x 18", in multiples of 3". Slate flagging, more irregularly shaped,

1½ sq ft to 4 ft each, in ½", ¾" to 1" thick. Buckingham-Virginia Slate Corp., 1103 East Main St., Richmond, Va. 23219.

Circle 129, Readers' Service Card

**Leather wall tile.** Full-grain cowhide laminated to aluminum wall tile is designed to coordinate with leather furniture. Four-sided beveled edge tiles give a pillow-like appearance. Tiles are said to be scuff-resistant, colorfast, and washable. Sizes: 2¼" x 8¼" — 4¼" x 4¼", 4¼" x 8¼" — 8½" x 8½"; colors: tangerine, tortoise shell, saddle tan, cranberry, pine green, and gold dust. Vikon Tile Corp., Washington, N.J. 07882.

Circle 130, Readers' Service Card

**Vinyl-to-wood.** Lifetex wood-stimulating vinyl surfaces are bonded to hardboard, plywood, or flakeboard. They are said to require no special finishing. Size is standard 4'x8'. Poloron Products, Inc., 165 Huguenot Street, New Rochelle, N.Y. 10801.

Circle 131, Readers' Service Card

**Vinyl linen.** "Killarny," a washable vinyl wallcovering, is said to resemble woven linen. The material is fire-resistant and comes in 10 colors. Contract width: 54". McCordi Corp., Mamaroneck, N.Y.

Circle 132, Readers' Service Card



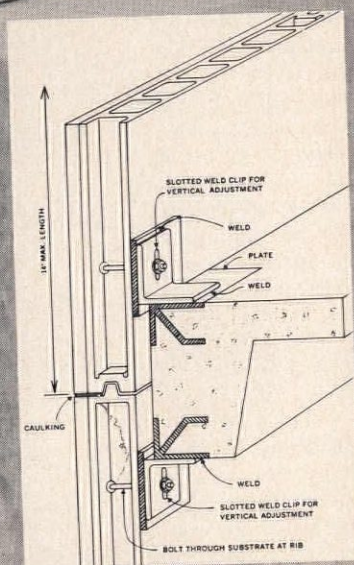
**Cork tile.** Natural cork in five different textures is available in the "Quintex 921" series. Imported from Portugal, the cork is claimed to absorb noise and increase insulation. Sizes: 12" x 12" to 12" x 36"; thicknesses: ⅛" to 1". Adam Cork Products, 540 Frontage Road, Northfield, Ill. 60093.

Circle 133, Readers' Service Card



# A NEW Scotwall

LIGHTWEIGHT MARBLE-FACED PANEL SYSTEM



The new Scotwall panel consists of a cellular substrate of asbestos and portland cement faced with 7/8" marble. It is a lightweight, moisture-proof, fire-resistant unit of great strength and remarkable versatility. It offers new opportunities for the designer's art, and recommends itself for such features as large soffits and ceiling panels; multi-faced fin panels; free-standing partitions; screens; faciae; spandrels, ad-infinitum. It's light to ship, quick to install, and the in-place cost can be less than that of less desirable materials. Let us tell you more about it.



**Georgia Marble**  
Company

11 Pryor Street, S. W., Atlanta, Georgia 30303

WRITE FOR YOUR COPY OF THE NEW SCOTWALL BROCHURE

**COAST-TO-COAST CONSULTING SERVICE**—Our engineers stand ready to assist you any time anywhere on any project involving marble or limestone. A phone call will put one of our men across the desk from you in a matter of hours. No obligations, of course.





# MFRS' DATA

## AIR/TEMPERATURE

**Slim cooling towers.** Cooling tower line features V-sump design with fans incorporated into the pan section, thus reducing the floor size of the units as much as 35%, according to the manufacturer. These modifications are also claimed to reduce the over-all weight. Constructed of hot-dip galvanized steel with corrosive-resistant finish. Contains construction details, selection and performance rating charts, engineering data, drawings and specs. Brochure. 12 pages. Baltimore Aircoil Company, Inc., P.O. Box 7322, Baltimore, Md. 21227.

Circle 200, Readers' Service Card

**Humidity control.** These humidifiers are claimed to maintain humidity, automatically, night or day, within 2% of that desired. Bulletin includes selection charts, model installations, as well as data on output and possible variations. Also pictured are automatic control units. Specs. 4 pages. Standard Engineering Works, 289 Roosevelt Ave., Pawtucket, R.I. 02860.

Circle 201, Readers' Service Card

**Air regulation.** Referred to as the "follow the sun" principle, the Variable Constant Volume concept calls for controlled heating or cooling of a building by section, instead of as a whole. Manufacturer claims that increased efficiency is the result of a new Variable Constant Volume Regulator, which can be used in any high-velocity mechanical constant box, or reheat box. Contains section drawings, performance data and specs. Two booklets, 10 and 6 pages. Anemostat Products Division, Scranton, Pa. 18501.

Circle 202, Readers' Service Card

**Heat Channels.** The Wing IFB Integral Face and Bypass Heating Coil uses dampers to discharge heat evenly. Dampers act without modulating valve to proportion inlet air into heated or unheated channels. They react to any change in temperature by a corresponding change in air flow

through the channels. Details, tables, schematics. Bulletin. 19 pages. The Wing Co., 2300 North Stiles St., Linden, N.J. Circle 203, Readers' Service Card

## CONSTRUCTION

**Curtain-wall technology.** The new edition of the Metal Curtain Wall Specifications Manual contains three sections: Architectural Specifications, covering all labor and materials required for "complete fabrication" of the curtain wall; Technical Data, including weights and design stresses for metals, and information on glass and sealants; and, finally, a Glossary. 122 pages. National Association of Architectural Metal Manufacturers, 228 North LaSalle St., Chicago, Ill.

Circle 204, Readers' Service Card



**Post-tensioning with prestressing.** Technical information on post-tensioning with bars or strands includes data on detailing, anchorage, and coupling systems, as well as design properties of bars and strands (diameter, weight, strength, etc.). Design data for both bar and strand systems includes estimates of shrinkage of concrete, creep, and the relaxation of steel. Photos of projects using manufacturer's system. Pamphlet. Specifications. 12 pages. Stressteel Corp., 221 Conyngham Ave., Wilkes-Barre, Pa. 18702.

Circle 205, Readers' Service Card

**Isolating thumps and bumps.** The use of mass and single number ratings is frequently uneconomical or unreliable for determining the level of

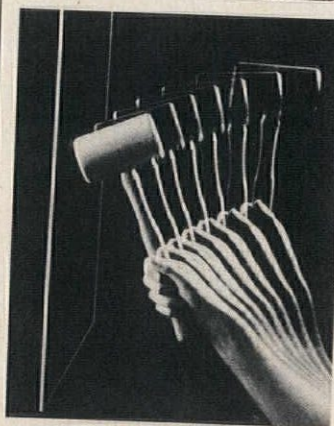
sound and vibration claims this firm, which advocates floating the floors while suspending ceilings and partitions. Pads of neoprene jacketed fiberglass provide viscous damping when used with the firm's other hardware. Such methods purportedly provide substantial improvements: 6 to 10 db for the floors, an additional 6 to 10 db for the ceilings, and 6 to 8 db for the partitions. Isolation efficiency is constant from -40F to 250F, and isolators are available in different precompressed states; they are said to be noncombustible, noncorrosive, and to resist rust, ozone, mildew, and fungus. Details, specifications, static deflection tables. 8 pages. Consolidated Kinetics Corp., 249 Forno Lane, Columbus, Ohio 43207.

Circle 206, Readers' Service Card

**Mortar mixes.** Admixtures for reducing water and controlling set for concrete and masonry are cited in a condensed catalog. The products include water-proofing and colors for concrete. Data include sections, graphs, and tables citing performance. 16 pages. Master Builders, Cleveland, Ohio 44118.

Circle 207, Readers' Service Card

## DOORS/WINDOWS



**Safety glazing.** Only Plexiglas is claimed to be breakage-resistant, light in weight, and a light diffuser, yet transparent and easily installed. Brochure offers safety-glazing and light-glazing methods. Included are energy and light transmission charts; weather resistance; thermal qualities; installation details; specs. Also sealant and Plexiglas light specs. 12 pages. Rohm & Haas, Philadelphia, Pa. 19105.

Circle 208, Readers' Service Card

**Growing glass.** Among the various types of glass discussed in this catalog are the firm's two most recent designs, "VariTran" and "Vigil-Pane," the former a heat and light reducing glass in varying opacities, the latter a safety plate claimed to have high impact resistance. Among the other glasses discussed are float glass and special glasses, including patterned glass. Graphs, illustrations, and data are easily read and complete. 39 pages. Libbey-Owens-Ford Glass Co., 811 Madison Ave., Toledo, Ohio 43624.

Circle 209, Readers' Service Card

## ELECTRICAL EQUIPMENT

**Power pack.** Four emergency "stand-by" power series units range from 250 to 400kw, with increments of 50 kw in each series. Data includes unit performance charts for each series, spec sheets, frequency and voltage regulation for industrial and light-duty series. Standard and optional equipment. 16 pages. Onan Division of Studebaker Corp., 2515 University Ave., S.E., Minneapolis, Minn. 55414.

Circle 210, Readers' Service Card

## FINISHES PROTECTORS

**Spray-on mastic.** Albi fire and smoke-retardant paint is said to intumesce when attacked by fire or heat, foaming into a thermal insulation 2" to 3" thick, while at the same time releasing cool, nontoxic gases that retard progress of the fire by cutting off the oxygen supply to the surface underneath it. Brochure includes test ratings, typical installations, and spec sheet. 6 pages. Albi Manufacturing Co., Inc., 98 East Main St., Rockville, Conn. 06066.

Circle 211, Readers' Service Card

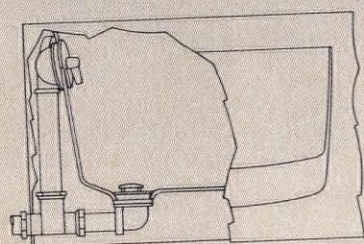
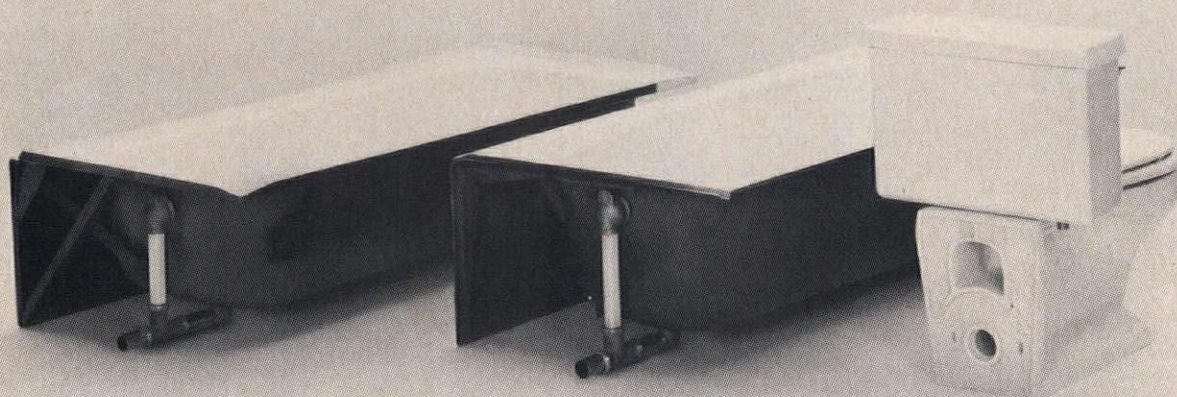
## FLOORING

**Floor topping.** Nuken No. 110 is a two-component epoxy, said to be easily mixed on the site. Its manufacturer further claims that it will not stick to a trowel, is highly chemical-resistant and long-wearing. Test results and application instructions are included. File sheet. Amercoat Corp., 201 N. Berry St., Brea, Calif. 92621.

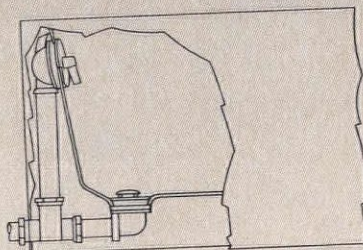
Circle 212, Readers' Service Card



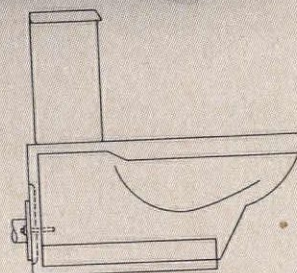
## Rough-in through the wall.



**The Sarasota** tub, formed steel with acid-resisting enamel, features a raised outlet that permits waste line to be installed through the wall.



**The new Nile** tub, cast iron with acid-resisting enamel, has a raised outlet that permits installation of a horizontal waste drain from bath to wall.



**The Orlando** floor-mounted, back-outlet closet fits flush with floor and wall.

## Eljer shows the way.

With the addition of the new Nile tub, Eljer now offers you the most complete line of fixtures that rough-in through the wall. Only Eljer has these bathtubs of both cast iron and formed steel.

And there's more. More freedom of design for you and more savings for your client when you specify these Eljer fixtures for slab or reinforced concrete construction. Since all of the plumbing goes into the wall, there's no wasted area between floors.

For more about these compatible-with-slab construction fixtures, call your Eljer representative. Or write Eljer, Dept. PA8, P.O. Box 836, Pittsburgh, Pa. 15230.



**ELJER**  
SINCE 1904 FINE PLUMBING FIXTURES

Eljer Plumbingware Division / Wallace-Murray Corporation



## FURNISHINGS



**Executive swivel.** Catering to almost every need, this 1968 catalog of products is a comprehensive guide to office furniture, ranging from occasional tables and chairs to sofas, conference and dining tables, desks and cabinets. Accessories also. Possible applications and groupings are included. Dimensions, surfaces, frame and upholstery specs are given for each piece. 160 pages. Lehigh Furniture Corp., 415 Madison Ave., New York, N.Y. 10017.

Circle 213, Readers' Service Card

## LIGHTING



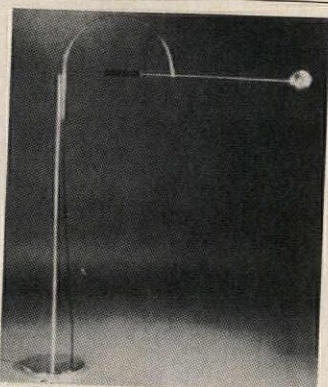
**Lighting co-ordinates.** Luminaires, posts and bases are co-ordinated to accommodate all lamp sizes and light sources. Lighting may be architect-tailored. Included are selection guides, lumen chart, recommended light levels, photos, dimensions, and sample specs. Also illustrates controls and adaptors. Catalog. 30 pages. Pfaff & Kendall, 84 Foundry St., Newark, N.J.

Circle 214, Readers' Service Card

**Floating light.** The manufacturers of Adjusta-Poise lighting fixtures claim the fixtures "float," because their multi-sectioned arms allow fingertip adjustment to any desired position. For office, hospital, and special lighting require-

ments. Model photos, details, dimensions. Catalog. 20 pages. Dazor Manufacturing Corp., 4455-99 Duncan Ave., St. Louis, Mo. 63110.

Circle 215, Readers' Service Card



**Light gyrations.** One of 43 lamp designs by Robert Sonneman, the "Orbiter" may be rotated on a bracket located where the inverted U-shaped neck meets the horizontal stem of the reflector. The type of mounting may be selected. Floor stand height: 47"; base: 10" diam; desk clamp height: 17". A wall clamp is also included. 16 pages. Lighting Associates, Inc., 351 E. 61 St., New York, N.Y. 10021.

Circle 216, Readers' Service Card

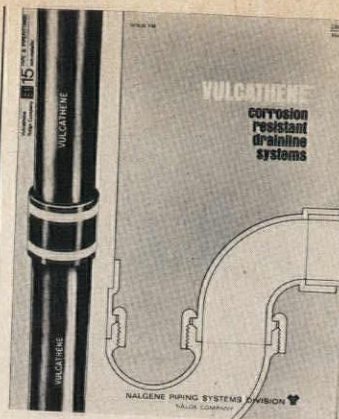
## OFFICE EQUIPMENT

**Construction information library.** Showcase microfilm library contains film cartridges with literature from more than 2700 manufacturers, and is said to enable the holder to comparison shop, because each cartridge contains information in product sequence, so that similar products may be scanned at a speed controlled by the viewer. The cartridge index contains three cross-reference systems. Content index, member charges, savings and benefits. Booklet, 18 pages; Index, 163 pages. Showcase Corp., 6230 John R. St., Detroit, Mich. 48202.

Circle 217, Readers' Service Card

## SANITATION PLUMBING

**Plastic drainlining.** Polyolefin drainline systems are said to be corrosion-resistant; they were designed especially for use in industrial, hospital, and laboratory areas. System includes pipe, traps and fittings, also lab sinks and neutralization tanks. Installation details,



dimensions, specs. Catalog. 16 pages. Nalgene Piping Systems Division of Nalge Co., P.O. Box 387, Rochester, N.Y. 14602.

Circle 218, Readers' Service Card

## SPECIAL EQUIPMENT

FISHER SCIENTIFIC COMPANY  
CORPORATE  
LABORATORY FURNITURE



**Laboratory colors.** A complete selection of laboratory furniture brightened by colorful components is catalogued. Baked epoxy resin finishes protect the countertops; ASTM ratings for the several finishes are cited. Corner units, fume hoods, fans, fixtures, and refrigerators are described. Also available: office furniture and other laboratory equipment. Details, specifications. 84 pages. Fisher Scientific Co., 711 Forbes Ave., Pittsburgh, Pa. 15219.

Circle 219, Readers' Service Card

**Sound system.** A comprehensive product catalog contains photos and technical data covering sound input and output systems for installations ranging from airports to offices and nurse's stations. Includes controls and consoles, and the Acousta-Voicing system that is said to complement the acoustical characteristics of an area. 16 pages. Altec Lansing, a Division of LTV Ling Altec Ind., 1515

South Manchester Ave., Anaheim, Calif. 92803.

Circle 220, Readers' Service Card



**Creative form for children.**

Children's playground areas can be made tactually as well as visually inviting by using play "sculpture." Castles and walls are made by stacking modular units; bench and animal forms also available. Photos with full descriptions, color choices, and price list. Booklet. 9 pages. Form Incorporated, 12900 West Ten Mile Rd., South Lyon, Mich. 48178.

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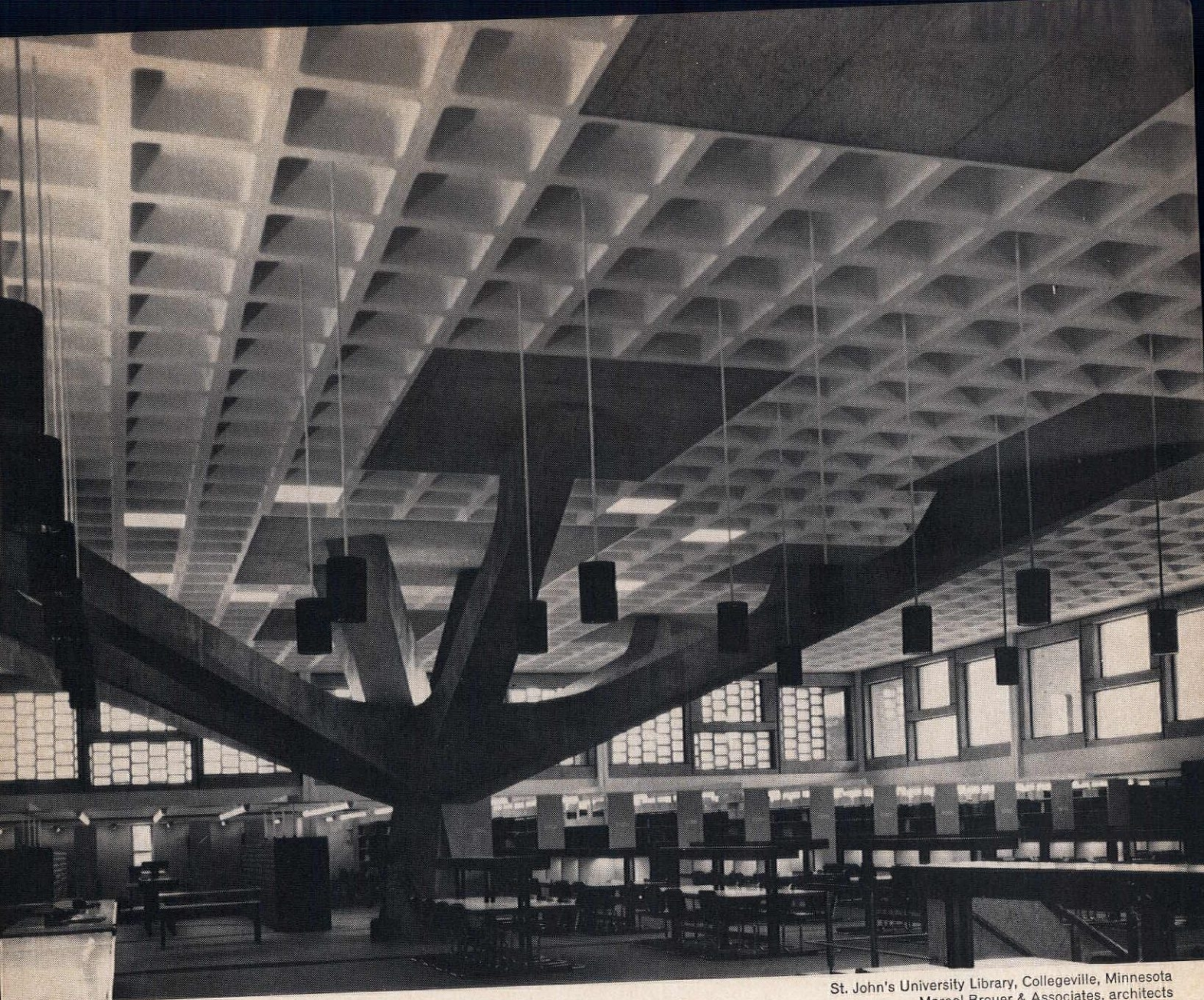


**Planters, benches.** Brochure illustrates reinforced fiberglass planters and benches, for outdoor use. The products are said to withstand hard use and extreme temperatures. Six standard colors are listed; other colors may be specified on request. Ordering information. 4 pages. Reinforced Plastics Industries, Inc., Box 218, Marlette, Mich. 48453.

Circle 222, Readers' Service Card

**Sign of the times.** Signs may be cast, engraved, or inlaid in a host of materials; their uses range from desk top name plates to wall tablets and custom designed interior and exterior logotypes. Regular typeface, or special letter





St. John's University Library, Collegeville, Minnesota  
Marcel Breuer & Associates, architects  
Johnston-Sahlman Company, structural engineers  
Gunnar I. Johnson & Son, Inc., contractors  
Ceco Steeldome Service for waffle-pattern  
monolithic concrete joist construction

# Find aesthetic repetition in Ceco's Standard Steeldome Floor-Forming experience

Think how you can use these repetitive units to bring beauty out of standardization. Standardization spawns creativity. It has always done this, from the Parthenon to the skyscraper. Great things come out of standardization.

This is no less true with standard steeldome modules for monolithic concrete joist construction. You can use them aesthetically in sculptured waffle ceilings. You can create with a sure hand, relying on Ceco's 56 years of experience in forming floor systems with removable steel-forms. This means you work and shape fluidly, molding versatile monolithic structures of

strength and rigidity. Ceco's experienced crews and project supervisors are adept at carrying out your design and coordinating with other trades. Your project starts fast, speeds ahead. Forms, rebars, concrete materials are close at hand.

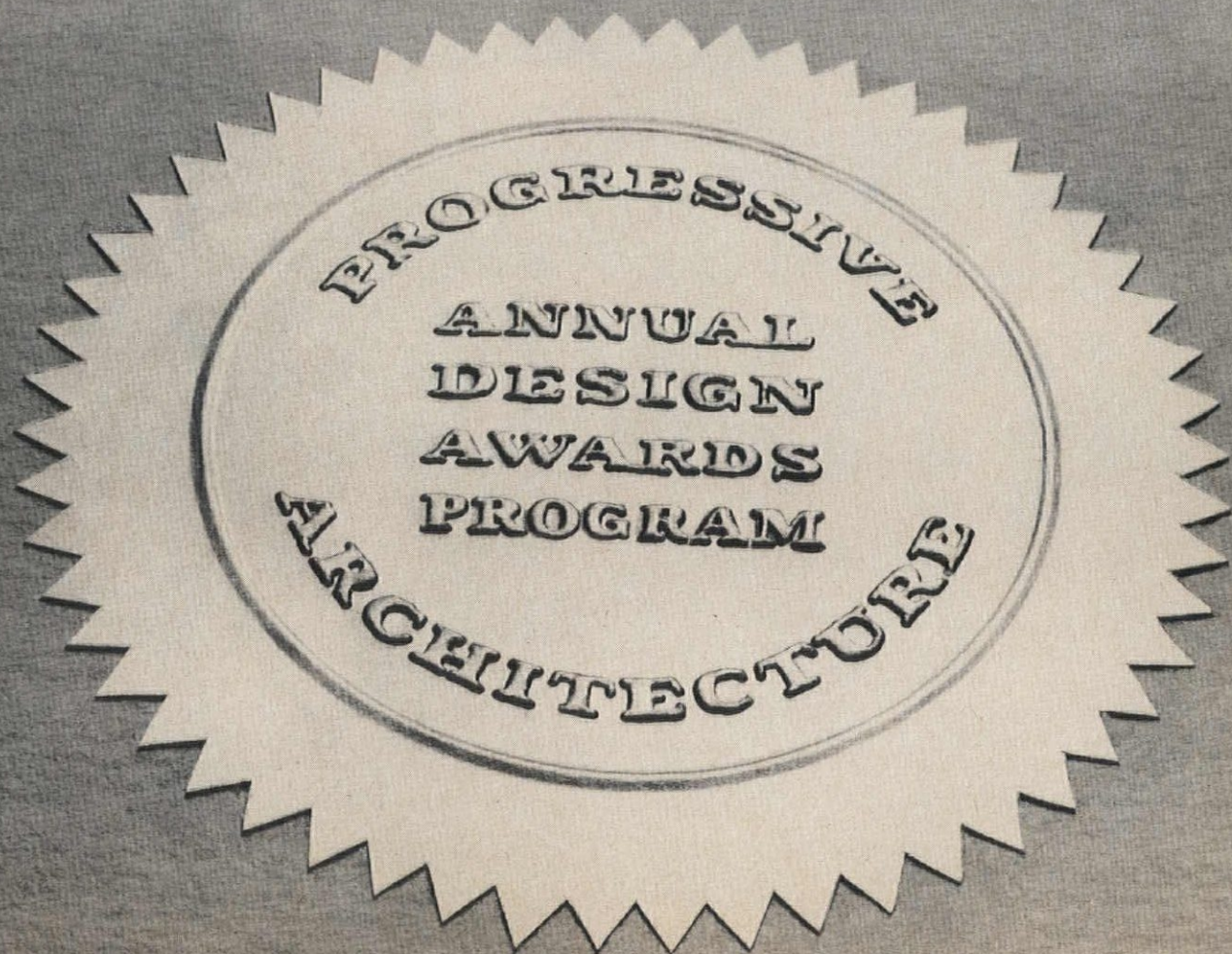
Another thing: monolithic concrete floor forming is economical, often \$1.00/sq. ft. less than other types. Ceco is big in experience as a nationwide specialist in floor forming, known for dependability and quality. So as you plan your next project, call on Ceco experience. The Ceco Corporation, general offices: 5601 West 26th Street, Chicago, Ill. 60650.

On Readers' Service Card, Circle No. 423





1964  
1965  
1966  
1967  
1968





*A special message to readers of Progressive Architecture*

On paying more  
than lip service  
to good architecture:

## the 16th Annual P/A Design Awards

Every Fall for the past 16 years, a panel of distinguished architects, planners and engineers has assembled in the New York offices of *Progressive Architecture*.

Though the panel's members have changed each year, its purpose has remained constant: to select the winners in P/A's Annual Design Awards Program.

The magnitude of this task has grown year after year as the number of entries has steadily increased. Last year, for instance, the judges spent three solid days reviewing, discussing and evaluating nearly 700 separate projects. This year, judging by the number of entries received to date, the number will be even greater... and the job of selecting winners even more difficult and time-consuming.

Why do we bother? The answer is simple.

At P/A, we feel an obligation to go beyond merely reporting on good architecture. We feel an obligation to *actively encourage* it.

That's why entry rules for our Design Awards competition are as broad as possible — to encourage the widest participation from the architectural community.

That's why we give the Awards to project *owners* as well as to the designers — to encourage commercial sponsorship of good design.

And that's why we give the Awards to projects in the design development stage — to encourage completion with a minimum of gratuitous changes.

Perhaps the best testimony to the success of these policies is the fact that most of the winning designs of past years are now a reality.

Speaking up — and standing up — for good architecture is part of the dynamic editorial approach that makes *Progressive Architecture* the vital, exciting magazine it is.

It's part of the editorial thrust that has made P/A the leader among architectural magazines — the biggest, the boldest, the best-read.

It's part of what makes P/A *progressive*.



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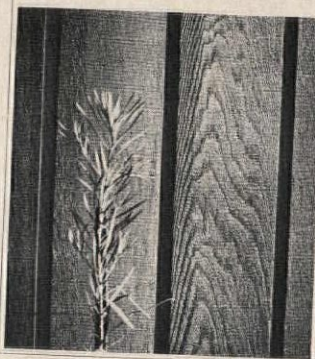
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styles are available, as are sculptures and motifs. Includes mounting methods, standards, and sizes. Brochure. 10 pages. United States Bronze Sign Co., Inc., 101 West 31st St., New York, N.Y. 10001.

Circle 223, Readers' Service Card

**SURFACING**

evans  
exterior  
siding



**Plywood siding.** Nine types of plywood for exterior siding fall under three categories: vertical siding, horizontal lapped siding, and panel siding. Booklet is a compact collection of siding information containing lists of uses, illustration of grains, data on specifications, application, and finishing and a chart of patterns, sizes and thicknesses. Details. Charts. 8 pages. Evans Products Co., P.O. Box 880, Corona, Calif.

Circle 224, Readers' Service Card

**Metal exteriors.** Fluoropon metal coating is a fluorocarbon polymeric that gives versatility and durability to a building. Brochure suggests applications and contains cost and performance graphs. Specs. 7 pages. DeSoto Inc., 1700 S. Mt. Prospect Rd., Des Plaines, Ill. 60018.

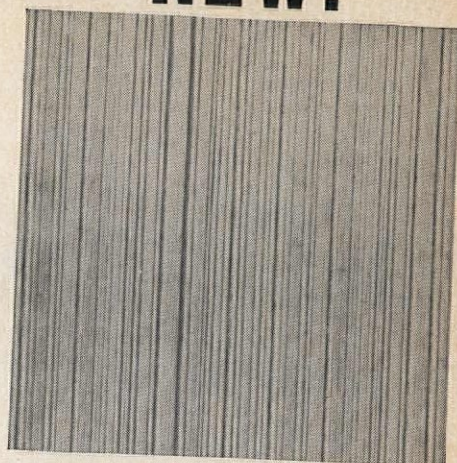
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**PROGRESSIVE ARCHITECTURE  
NEWS REPORT**

**REINHOLD PUBLISHING CORP.**  
430 Park Avenue, New York, N.Y. 10022

Editor .....Jan C. Rowan  
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**NEW!**

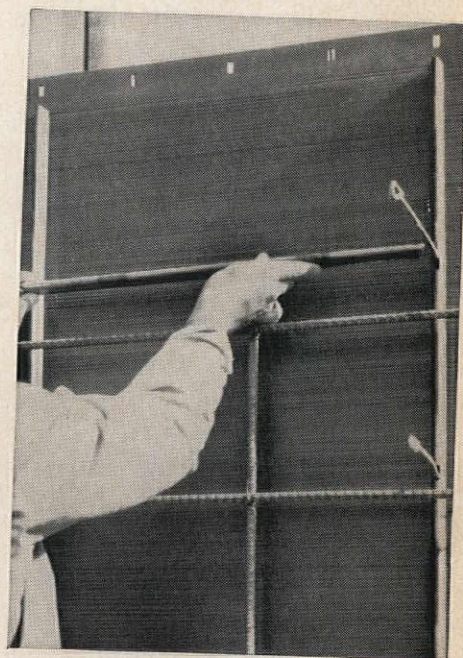


**SYMONS DEEP GROOVE  
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Symons Deep Groove Striated Form Liner leaves a soft, handsome effect to exposed concrete surfaces. Of prime benefit to the architect is the manner and ease of finishing the deep groove striations, reducing the exposure of any imperfections that may be present due to rock pockets, honeycombs and bug holes.

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Striated form liner may be used in conjunction with Symons Rustication Strip, illustrated below. Ties are inserted through the Rustication Strip, leaving the tie hole in the impression, and not in the face of the concrete. Complete details about the striated form liner and rustication strip are available upon request.



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## built-in roman bath

by **Jacuzzi**  
WHIRLPOOL BATH

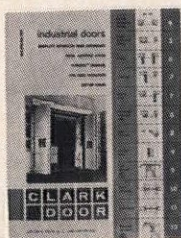
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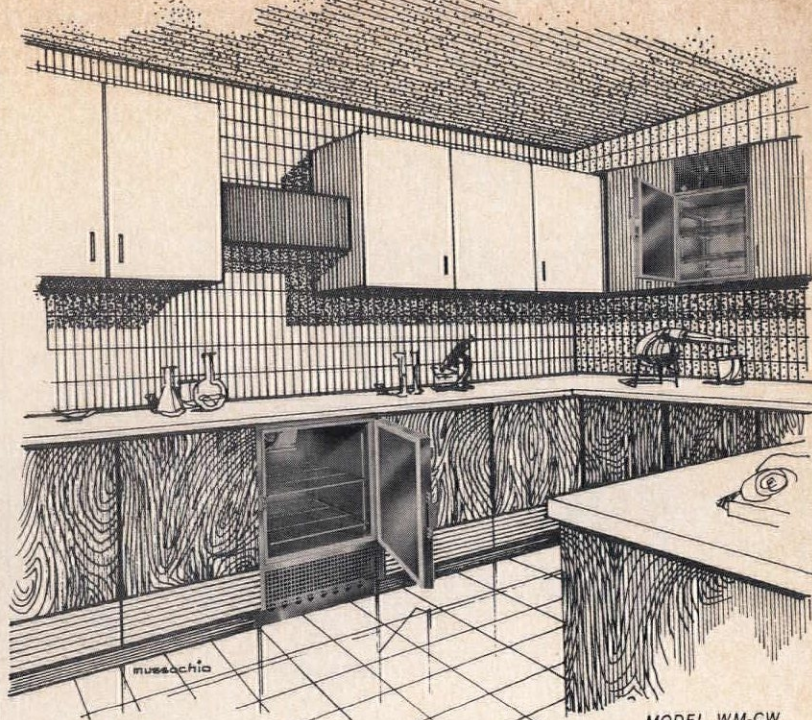


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On Readers' Service Card, Circle No. 331

September 1968



MODEL UC-5-BC

MODEL WM-CW

## INTEGRATED DESIGN IN EYE-LEVEL AND UNDER-COUNTER REFRIGERATORS

Designed to fit flush with adjacent cabinet work in stainless steel or custom finished to your specifications, these space saving refrigerators provide a clean, uninterrupted line of design. The thin-wall construction incorporates polyurethane insulation and an air-tight neoprene thermo-break door seal. The undercounter models have outside dimensions of 24" x 24" x 34½" and a capacity of 5.4 cubic feet. The single door wall mounted models come in four sizes 18" W. x 13" D. x 30" H. with 1.5 cubic foot capacity up to the 4.3 model with dimensions of 24" W. x 18" D. x 36" H. Also available are double door models with capacity of up to 9.6 cubic feet.



MODEL UC-5

- Gleaming stainless steel interiors.
- Explosion-safe and total explosion-proof construction, optional.
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- Dished interior bottom to protect floors from spilled products.
- Automatic and semi-automatic defrost system with built-in condensate evaporator and accumulator. Eliminates need for floor drain.



MODEL UC-5-CW

### MODEL UC-5-CW

Cold wall type cooling system with automatic push button defrost. No freezing compartment. Explosion-safe and total explosion-proof construction available on this model only.

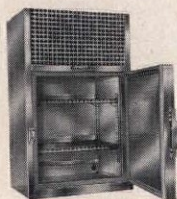
### MODEL UC-5-BC

(illustrated above)

Blower type cooling system with automatic off cycle defrosting. No freezing compartment.

### MODEL UC-5

Two-tray ice cuber cooling system and semi-automatic defrost.



MODEL WM-CW

### MODEL WM-CW

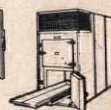
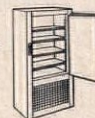
(illustrated above)

Cold wall type cooling system with push button defrost.

NOTE: Jewett also makes a line of freezers with the same dimensions and features listed above.

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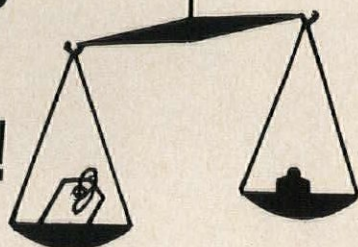


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P/A News Report 73



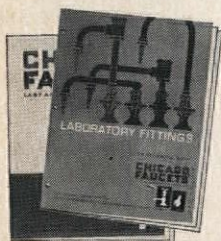
# Sure the price tag is heavier ...but only to save you money!



We do put extra metal, extra plating, extra care into Chicago Faucet bodies. For one reason alone: We expect them to last for years and years.

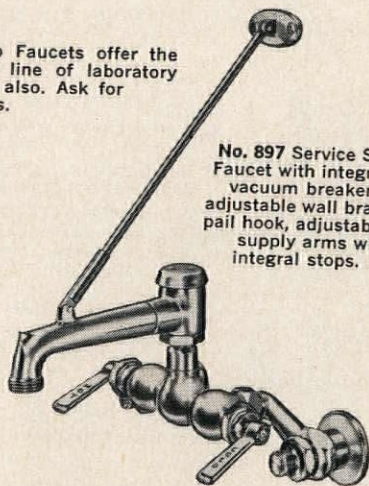
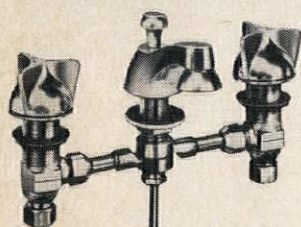
You see, Chicago Faucet design gathers all operating parts into one replaceable unit. This is unusual first because it closes with the pressure—works easier, stays leak-free longer. Then when service is needed you just drop in a spare unit, finish repairs at the bench. Best of all, if ever necessary you can completely renew the operating heart without disturbing the body or connections.

Does this Chicago Faucet idea really work? Can it promise to save you money? Ask anyone who bought Chicago Faucets 20, 30 or even 50 years ago.

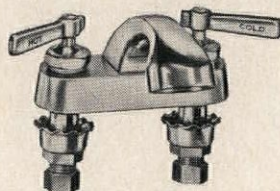


Chicago Faucets offer the biggest line of laboratory fittings also. Ask for catalogs.

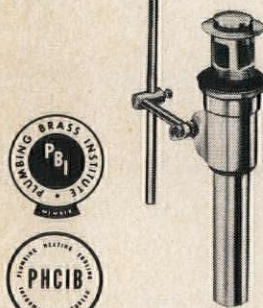
No. 897 Service Sink Faucet with integral vacuum breaker, adjustable wall brace, pail hook, adjustable supply arms with integral stops.



No. 967 Spray Head Lavatory Faucet, for today's public washrooms. Reduces splash and water waste, permits washing in clean running water.



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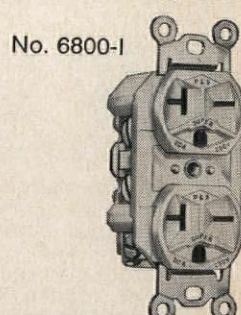
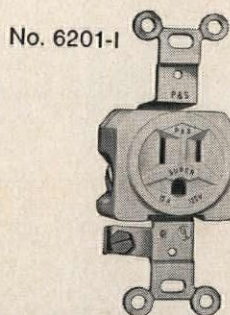
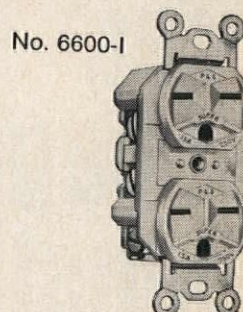
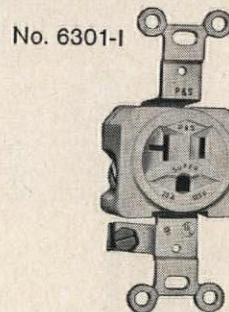
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## **NEXT MONTH IN P/A**

***FROM THE INSIDE OUT*** is frequently the direction of design influences. This is the case because young and non-hidebound designers most often get their chances to experiment with interiors and furnishings—from the Brothers Adam through Mies and Breuer on down to last spring's newest graduates—and because even established architects often use interiors of various sorts to advance design ideas and new planning approaches.

This vital aspect of architecture, first examined in a complete issue of an architectural magazine in the October 1962 P/A, will receive another full-fledged treatment in next month's P/A.

"The times, they are a-changin'" is the name of the design game as well as a Bob Dylan song—and the October P/A will document the important changes affecting interior (and maybe later, exterior) design, and will give the reactions of many people in architecture, planning, and industry to the forces that are shaping interior design today.

Once again, a special-subject issue of P/A that will have a long life on your reference shelf. To get it and 11 more au courant issues of the most exciting architectural magazine, simply fill in and send in the subscription card at the rear of this issue.

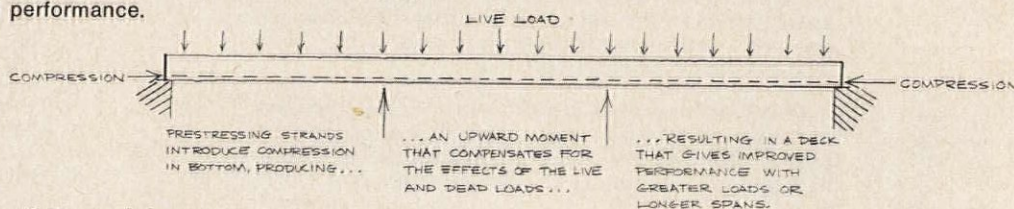


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We would like to **bring you up-to-date** on this development by sending you a copy of a **new booklet** that describes these decks.

Included are load curves, typical spans of various sizes for floors and roofs, use on steel frame, concrete frame and wall-bearing construction. Also, information on openings, floor finish, ceiling finish, and use of hollow cells for heating and air-conditioning ducts, electrical wiring and piping.

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